

# IMO

## STARLINE CATALOGUE 7th Edition

**[www.imopc.com](http://www.imopc.com)**

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## *The Future In Control*

# IMO STARLINE CATALOGUE

## IMO Precision Controls

*Often copied, **never equaled...** since 1972*



Founded in 1972, IMO has grown from its UK base to become a global manufacturer and supplier of industrial control and electronic components and systems. Our history is one of innovation. Whether it is the first ever BT Type 47 Approved relay or the first ever compact AC inverter for motor speed control, IMO has always been focused on breaking barriers. That philosophy extends to the company's service model with features such as advanced online customer ordering and visibility, integrated logistics and the industry's first global third party fulfillment agreement described by the trade press as "a deal ahead of its time".

Our quality assured manufacturing sites ensure IMO products continue to be recognized for quality and reliability. Backed by unique warranty periods of up to Five Years and in compliance with all relevant international standards and approvals, customers specifying IMO products can do so with the knowledge and security that they are making a no compromise selection.

We succeed through the success of our customers. Blue Chip manufacturers the world over rely on IMO to help them achieve higher levels of innovation, competitiveness and reliability. It is a philosophy that continues to deliver results and one which creates close and long lasting relationships with our customers world-wide.



## Leading the way...

- Over 15,000 product lines available for next day delivery
- Worldwide Technical Support
- Amongst the best warranties in the industry
- Iconic IMO trade counter display stands
- Promotional materials (*including product brochures, window stickers, counter mats, posters, product displays and case studies*)



## Seamlessly integrated...

IMO's custom built Pack'N'Track system integrates our logistics seamlessly to DHL enabling same-day dispatch, later next day delivery cut-off times, and total tracking visibility from the moment a delivery note is printed.

The customised programme ensures that DHL just collect and deliver, and with over 50,000 square feet of warehousing packed with products at our European HQ in Hatfield, that kind of efficiency is needed to ensure our customers get their products on-time, every time. It's just another way that we are making the customer experience better!



## Your success is our success...

Our customers' competitive challenges are of paramount importance to our own success so we work tirelessly to help our customers differentiate their product, improve their service offering and grow their market share. Our approach has allowed us to enjoy long-term relationships with some of the largest blue-chip companies in the world and to help tomorrow's success stories on their journey to prominence.

With customer relationships that, in some cases, go back over 30 years we are proud to have earned and maintained the trust of so many of our customers for so long. Regardless of the evolution of technology and market forces, the basic principles at the heart of our business relationships always remain constant.



## Unrivalled service... professionally delivered

It isn't just the fact that we have over 15,000 product lines available, and next day delivery on stock items ordered online by 3.00pm that sets our service apart from the rest. Something that IMO has always excelled in is the level of personalised service we offer to all of our customers, and we believe it is this that truly sets us apart from the competition.

When you become a customer of IMO, you also become part of the family. Our highly trained customer service representatives are quick to learn your requirements, and concentrate on the one thing that we think brings you back to IMO each time, and that is ensuring your happiness through delivering the right products, at the right time, the right price and with a huge amount of care and attention that simply isn't available anywhere else.

Our team of technical specialists know our products inside out, and have years of experience in the field as well as specifically liaising with and helping customers resolve issues to ensure the best possible outcome for them.

## A global network...

The IMO brand is increasingly recognised around the world for quality, reliability and cost efficiency, and we continue to invest in our growth in both home and international markets in order to best meet the expectations of our customers.

Global office locations: UK, USA, Australia, Canada, France, Italy & South Africa.  
Global distribution network locations: Austria, Brazil, Bulgaria, China, Cyprus, Denmark, El Salvador, Finland, Germany, Greece, Hungary, Ireland, Mexico, Netherlands, Pakistan, Portugal, Romania, Russian Federation, Spain, Switzerland, Tunisia & Vietnam.



## Product training...

IMO Precision Controls offers in-house or on-site training courses for our Drives & Automation products, including all HMI's, PLC's, Intelligent Controllers and Jaguar AC Inverter Drives.

Training modules can be standard or higher level, tailored to customer's specific requirements. They are designed to familiarise customers with the use and programming of IMO intelligent products. Each module is usually based on one product range.

To find out more about IMO bespoke training courses, contact IMO.

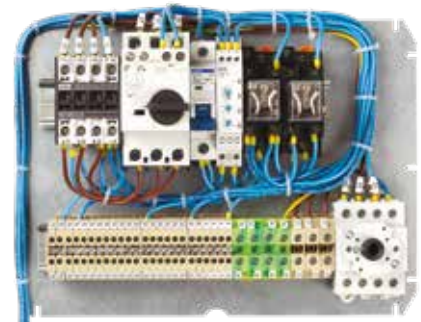


## Custom solutions...

Satisfying an ever-growing trend in the market, the IMO Assembly Division provides bespoke solutions to customer requirements for components pre-assembled onto mounting rails, or into enclosures. We can offer totally customised solutions which can include many different control components, such as contactors, relays, timers, miniature circuit breakers etc. IMO can also offer a complete custom wiring solution from prepared cables and cable looms to crimpings, terminations and housings.

New and old customers can seriously benefit from outsourcing both pre-assembled components and prepared wiring. Benefits include a lower overall cost with reduced installation times, lower inventory expense with no tooling investment, and total peace of mind knowing that every assembled solution comes 100% pre-tested.

Whatever your requirement, from a simple, cable assembly or single rail to highly complex solutions, contact IMO to discuss your needs.



## *your* control centre designed specifically for the wholesale marketplace

IMO's was the first electronic component manufacturer to produce a dedicated trade stand for the wholesale marketplace, and are proud to say that we changed the shape of merchandising within the industry. Our iconic yellow trade displays can be seen in over 600 locations in the UK and an ever expanding presence overseas.

Imitation is the sincerest form of flattery, and although many others have copied our concept, we truly believe that we have never been equaled, certainly in terms of our innovative history, the quality of our products, and a level of service that is second to none! IMO is the benchmark for quality.



Now Featuring **Recyclable Packaging**  
*Reducing our single-use plastics by 98%*

The IMO Control Centre catalogue shows the trade specific range of products which includes our most popular control and switchgear products and components.

In order to provide a more sustainable and eco-friendly solution, products for the Control Centre range now come in recyclable cardboard boxes, reducing single-use plastics by 98% compared to the old blister packs.

Not only that, our new packaging includes more technical information for each respective product than ever before, as well as QR codes linking to our technical datasheets. We have also increased the selection of products available, to meet ever changing market trends and demands.



If you would like an IMO Control Centre merchandising stand or slatwall in your trade counter, please contact our Wholesale Trade Team on 01707 414444 for more information. IMO proudly supports our wholesale partners, and can supply a range of promotional marketing materials to compliment your offering, including dual-aspect counter mats, posters, flyers & window stickers, and can even white label printed materials to include your company logo.

## Pricing Groups... Wholesale ordering made easy

In order to make the experience of ordering products much easier for our wholesale distribution network, we now include the PRICING GROUP codes for each price grouping. Alike products are grouped together for ease of identification, and this is denoted at the top of each new price grouping page throughout this catalogue as illustrated below. Price grouping information can also be found next to each entry on the Product Index for easy reference.

PRICING GROUP  
**115**

PRICING GROUP  
**116**

PRICING GROUP  
**126**

PRICING GROUP  
**144**

PRICING GROUP  
**145**

PRICING GROUP  
**109**

PRICING GROUP  
**101**

PRICING GROUP  
**396**

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## IMO Panel Product Range

IMO's Panel range has been specifically designed to meet the demanding needs of today's panel builders and engineers whose requirements can range from a simple DIN rail terminal through to a complete panel solution. IMO's products allow panel builders globally to deliver significant advances through greater efficiency, reliability and performance, thereby increasing their competitive advantage and delivering the optimum panel solution. When purchasing from IMO you can be confident that over 40 years experience servicing the Panel Builder market has gone into the design and development of the IMO range. IMO Panel Products deliver innovation and efficiency hand-in-hand with reliability and longevity.

### **MCBs, RCDs, Motor Circuit Breakers & Surge Protection**

*See page 8-13*

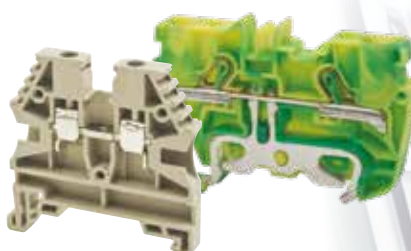
Effective Protection and Isolation is at the very heart of good electrical engineering. IMO offers a comprehensive range of modular low-voltage devices to provide protection from Over-Current, Short-Circuit and Earth Leakage faults, alongside power Isolation.



### **DIN Rail Terminals**

*See page 14-16*

One of the largest ranges available anywhere in the world, the range includes T15 mini terminals, screw clamp, push fit and the innovative Spring Connection Pluggable varieties.



### **Power Supplies**

*See page 17*

Designed for the control and automation marketplace, IMO Power Supplies are available across three ranges, providing the ultimate choice for your application.



### **AC & TRUE DC Isolators**

*See page 18-21*

Our AC Isolators offer switching capabilities up to 125A, both in 3 and 4 Poles and our market-leading TRUE DC Isolators offer switching capabilities up to 85A@1000VDC in 2, 4, 6 & 8 Poles. Different mounting types include: Panel Mount, DIN Rail Mount and Enclosed.





## **Contactors & Overloads**

*See page 22-27*

Our range includes standard 3 and 4 pole devices, mini and micro contactors and modular contactors for heating and lighting applications.



## **Industrial Relays & Sockets**

*See page 31-33*

IMO's range of Industrial Relays are available with either an AC or DC coil, and suitable for PCB mounting or plug-in via a dedicated socket



## **Cam Switches & Foot Switches**

*See page 34-35*

Whether switching by hand or foot, our range of switches offer complete safety and reliability. Our cam switches offer complete flexibility, whilst our foot switches have various auxiliary devices and 13 different contact blocks.



## **Timers**

*See page 36*

We offer a selection of panel mount / plug-in timers and DIN Rail mountable timers which all deliver up-to-the-minute technology, from a simple single function through to multi-function timers with displays, all of which are backed up by our three year warranty.



## **Push Buttons, Pilot Lights, Lens Caps & Contact Blocks**

*See page 38-39*

Our comprehensive range of modular 22mm and 30mm push buttons, pilot lights and contact blocks offer a reliable, high quality solution. Our pushbuttons encompasses a myriad of switching options from momentary push and e-stops to multi-position captive key switches and the ability to mix, match and stack contact blocks, they offer the ultimate level of flexibility and customisation.



# IMO STARLINE CATALOGUE

PRICING GROUP

**145**

## MCBs, RCCBs, RCBs, Isolating Switches & Accessories



### Isolating Switches



Manufactured in accordance with  
IEC 60947-3



| Part Number | Description                     |
|-------------|---------------------------------|
| BIS1063A    | Isolating Switch 1 Pole 63 Amp  |
| BIS2063A    | Isolating Switch 2 Pole 63 Amp  |
| BIS2125A    | Isolating Switch 2 Pole 125 Amp |
| BIS3063A    | Isolating Switch 3 Pole 63 Amp  |
| BIS4063A    | Isolating Switch 4 Pole 63 Amp  |
| BIS4125A    | Isolating Switch 4 Pole 125 Amp |
| BIS2100C    | Isolating Switch 2 Pole 100 Amp |

### 6kA MCB B Curve 1 Pole



Manufactured in accordance with  
IEC 60898-1  
& IEC 60947-2



| Part Number | Description           |
|-------------|-----------------------|
| BR6B1001A   | 6kA MCB 1 Pole 1 Amp  |
| BR6B1002A   | 6kA MCB 1 Pole 2 Amp  |
| BR6B1004A   | 6kA MCB 1 Pole 4 Amp  |
| BR6B1006A   | 6kA MCB 1 Pole 6 Amp  |
| BR6B1010A   | 6kA MCB 1 Pole 10 Amp |
| BR6B1016A   | 6kA MCB 1 Pole 16 Amp |
| BR6B1020A   | 6kA MCB 1 Pole 20 Amp |
| BR6B1025A   | 6kA MCB 1 Pole 25 Amp |
| BR6B1032A   | 6kA MCB 1 Pole 32 Amp |
| BR6B1040A   | 6kA MCB 1 Pole 40 Amp |
| BR6B1050A   | 6kA MCB 1 Pole 50 Amp |
| BR6B1063A   | 6kA MCB 1 Pole 63 Amp |

### 6kA MCB C Curve 2 Pole



Manufactured in accordance with  
IEC 60898-1  
& IEC 60947-2



| Part Number | Description           |
|-------------|-----------------------|
| BR6C2001A   | 6kA MCB 2 Pole 1 Amp  |
| BR6C2002A   | 6kA MCB 2 Pole 2 Amp  |
| BR6C2004A   | 6kA MCB 2 Pole 4 Amp  |
| BR6C2006A   | 6kA MCB 2 Pole 6 Amp  |
| BR6C2010A   | 6kA MCB 2 Pole 10 Amp |
| BR6C2016A   | 6kA MCB 2 Pole 16 Amp |
| BR6C2020A   | 6kA MCB 2 Pole 20 Amp |
| BR6C2025A   | 6kA MCB 2 Pole 25 Amp |
| BR6C2032A   | 6kA MCB 2 Pole 32 Amp |
| BR6C2040A   | 6kA MCB 2 Pole 40 Amp |
| BR6C2050A   | 6kA MCB 2 Pole 50 Amp |
| BR6C2063A   | 6kA MCB 2 Pole 63 Amp |

### 4.5kA MCB C Curve 1 Pole + N



Manufactured in accordance with  
IEC 60898-1  
& IEC 60947-2



| Part Number | Description                 |
|-------------|-----------------------------|
| B4C1N02A    | 4.5kA MCB 1 Pole + N 2 Amp  |
| B4C1N04A    | 4.5kA MCB 1 Pole + N 4 Amp  |
| B4C1N06A    | 4.5kA MCB 1 Pole + N 6 Amp  |
| B4C1N10A    | 4.5kA MCB 1 Pole + N 10 Amp |
| B4C1N16A    | 4.5kA MCB 1 Pole + N 16 Amp |
| B4C1N20A    | 4.5kA MCB 1 Pole + N 20 Amp |
| B4C1N25A    | 4.5kA MCB 1 Pole + N 25 Amp |
| B4C1N32A    | 4.5kA MCB 1 Pole + N 32 Amp |

### 6kA MCB C Curve 1 Pole



Manufactured in accordance with  
IEC 60898-1  
& IEC 60947-2



| Part Number | Description           |
|-------------|-----------------------|
| BR6C1001A   | 6kA MCB 1 Pole 1 Amp  |
| BR6C1002A   | 6kA MCB 1 Pole 2 Amp  |
| BR6C1004A   | 6kA MCB 1 Pole 4 Amp  |
| BR6C1006A   | 6kA MCB 1 Pole 6 Amp  |
| BR6C1010A   | 6kA MCB 1 Pole 10 Amp |
| BR6C1016A   | 6kA MCB 1 Pole 16 Amp |
| BR6C1020A   | 6kA MCB 1 Pole 20 Amp |
| BR6C1025A   | 6kA MCB 1 Pole 25 Amp |
| BR6C1032A   | 6kA MCB 1 Pole 32 Amp |
| BR6C1040A   | 6kA MCB 1 Pole 40 Amp |
| BR6C1050A   | 6kA MCB 1 Pole 50 Amp |
| BR6C1063A   | 6kA MCB 1 Pole 63 Amp |

### 6kA MCB C Curve 3 Pole



Manufactured in accordance with  
IEC 60898-1  
& IEC 60947-2



| Part Number | Description           |
|-------------|-----------------------|
| BR6C3001A   | 6kA MCB 3 Pole 1 Amp  |
| BR6C3002A   | 6kA MCB 3 Pole 2 Amp  |
| BR6C3004A   | 6kA MCB 3 Pole 4 Amp  |
| BR6C3006A   | 6kA MCB 3 Pole 6 Amp  |
| BR6C3010A   | 6kA MCB 3 Pole 10 Amp |
| BR6C3016A   | 6kA MCB 3 Pole 16 Amp |
| BR6C3020A   | 6kA MCB 3 Pole 20 Amp |
| BR6C3025A   | 6kA MCB 3 Pole 25 Amp |
| BR6C3032A   | 6kA MCB 3 Pole 32 Amp |
| BR6C3040A   | 6kA MCB 3 Pole 40 Amp |
| BR6C3050A   | 6kA MCB 3 Pole 50 Amp |
| BR6C3063A   | 6kA MCB 3 Pole 63 Amp |

## 10kA MCB C Curve 1 Pole



Manufactured in accordance with  
IEC 60898-1  
& IEC 60947-2



| Part Number | Description            |
|-------------|------------------------|
| B10C1001A   | 10kA MCB 1 Pole 1 Amp  |
| B10C1002A   | 10kA MCB 1 Pole 2 Amp  |
| B10C1004A   | 10kA MCB 1 Pole 4 Amp  |
| B10C1006A   | 10kA MCB 1 Pole 6 Amp  |
| B10C1010A   | 10kA MCB 1 Pole 10 Amp |
| B10C1016A   | 10kA MCB 1 Pole 16 Amp |
| B10C1020A   | 10kA MCB 1 Pole 20 Amp |
| B10C1025A   | 10kA MCB 1 Pole 25 Amp |
| B10C1032A   | 10kA MCB 1 Pole 32 Amp |
| B10C1040A   | 10kA MCB 1 Pole 40 Amp |
| B10C1050A   | 10kA MCB 1 Pole 50 Amp |
| B10C1063A   | 10kA MCB 1 Pole 63 Amp |

## 10kA MCB C Curve 2 Pole



Manufactured in accordance with  
IEC 60898-1  
& IEC 60947-2



| Part Number | Description            |
|-------------|------------------------|
| B10C2002A   | 10kA MCB 2 Pole 2 Amp  |
| B10C2004A   | 10kA MCB 2 Pole 4 Amp  |
| B10C2006A   | 10kA MCB 2 Pole 6 Amp  |
| B10C2010A   | 10kA MCB 2 Pole 10 Amp |
| B10C2016A   | 10kA MCB 2 Pole 16 Amp |
| B10C2020A   | 10kA MCB 2 Pole 20 Amp |
| B10C2025A   | 10kA MCB 2 Pole 25 Amp |
| B10C2032A   | 10kA MCB 2 Pole 32 Amp |
| B10C2040A   | 10kA MCB 2 Pole 40 Amp |
| B10C2050A   | 10kA MCB 2 Pole 50 Amp |
| B10C2063A   | 10kA MCB 2 Pole 63 Amp |

## 10kA MCB C Curve 3 Pole



Manufactured in accordance with  
IEC 60898-1  
& IEC 60947-2



| Part Number | Description            |
|-------------|------------------------|
| B10C3002A   | 10kA MCB 3 Pole 2 Amp  |
| B10C3004A   | 10kA MCB 3 Pole 4 Amp  |
| B10C3006A   | 10kA MCB 3 Pole 6 Amp  |
| B10C3010A   | 10kA MCB 3 Pole 10 Amp |
| B10C3016A   | 10kA MCB 3 Pole 16 Amp |
| B10C3020A   | 10kA MCB 3 Pole 20 Amp |
| B10C3025A   | 10kA MCB 3 Pole 25 Amp |
| B10C3032A   | 10kA MCB 3 Pole 32 Amp |
| B10C3040A   | 10kA MCB 3 Pole 40 Amp |
| B10C3050A   | 10kA MCB 3 Pole 50 Amp |
| B10C3063A   | 10kA MCB 3 Pole 63 Amp |

## 10kA MCB C Curve 3 Pole + N



Manufactured in accordance with  
IEC 60898-1  
& IEC 60947-2



| Part Number | Description                |
|-------------|----------------------------|
| B10C3N10A-L | 10kA MCB 3 Pole + N 10 Amp |
| B10C3N16A-L | 10kA MCB 3 Pole + N 16 Amp |
| B10C3N20A-L | 10kA MCB 3 Pole + N 20 Amp |
| B10C3N25A-L | 10kA MCB 3 Pole + N 25 Amp |
| B10C3N32A-L | 10kA MCB 3 Pole + N 32 Amp |
| B10C3N40A-L | 10kA MCB 3 Pole + N 40 Amp |

## 10kA MCB D Curve 1 Pole



Manufactured in accordance with  
IEC 60898-1  
& IEC 60947-2



| Part Number | Description            |
|-------------|------------------------|
| B10D1002A   | 10kA MCB 1 Pole 2 Amp  |
| B10D1004A   | 10kA MCB 1 Pole 4 Amp  |
| B10D1006A   | 10kA MCB 1 Pole 6 Amp  |
| B10D1010A   | 10kA MCB 1 Pole 10 Amp |
| B10D1016A   | 10kA MCB 1 Pole 16 Amp |
| B10D1020A   | 10kA MCB 1 Pole 20 Amp |
| B10D1025A   | 10kA MCB 1 Pole 25 Amp |
| B10D1032A   | 10kA MCB 1 Pole 32 Amp |
| B10D1040A   | 10kA MCB 1 Pole 40 Amp |
| B10D1050A   | 10kA MCB 1 Pole 50 Amp |
| B10D1063A   | 10kA MCB 1 Pole 63 Amp |



# IMO STARLINE CATALOGUE

## 10kA MCB D Curve 2 Pole



Manufactured in accordance with  
IEC 60898-1  
& IEC 60947-2



| Part Number | Description            |
|-------------|------------------------|
| B10D2002A   | 10kA MCB 2 Pole 2 Amp  |
| B10D2004A   | 10kA MCB 2 Pole 4 Amp  |
| B10D2006A   | 10kA MCB 2 Pole 6 Amp  |
| B10D2010A   | 10kA MCB 2 Pole 10 Amp |
| B10D2016A   | 10kA MCB 2 Pole 16 Amp |
| B10D2020A   | 10kA MCB 2 Pole 20 Amp |
| B10D2025A   | 10kA MCB 2 Pole 25 Amp |
| B10D2032A   | 10kA MCB 2 Pole 32 Amp |
| B10D2040A   | 10kA MCB 2 Pole 40 Amp |
| B10D2050A   | 10kA MCB 2 Pole 50 Amp |
| B10D2063A   | 10kA MCB 2 Pole 63 Amp |

## 10kA MCB D Curve 3 Pole



Manufactured in accordance with  
IEC 60898-1  
& IEC 60947-2



| Part Number | Description            |
|-------------|------------------------|
| B10D3002A   | 10kA MCB 3 Pole 2 Amp  |
| B10D3004A   | 10kA MCB 3 Pole 4 Amp  |
| B10D3006A   | 10kA MCB 3 Pole 6 Amp  |
| B10D3010A   | 10kA MCB 3 Pole 10 Amp |
| B10D3016A   | 10kA MCB 3 Pole 16 Amp |
| B10D3020A   | 10kA MCB 3 Pole 20 Amp |
| B10D3025A   | 10kA MCB 3 Pole 25 Amp |
| B10D3032A   | 10kA MCB 3 Pole 32 Amp |
| B10D3040A   | 10kA MCB 3 Pole 40 Amp |
| B10D3050A   | 10kA MCB 3 Pole 50 Amp |
| B10D3063A   | 10kA MCB 3 Pole 63 Amp |

## 10kA RCCB 30mA 3 Pole + N



Manufactured in accordance with  
IEC 61008-1



| Part Number    | Description                    |
|----------------|--------------------------------|
| <i>Type AC</i> |                                |
| B10R4025-30    | 10kA RCCB AC 3 Pole + N 25 Amp |
| B10R4032-30    | 10kA RCCB AC 3 Pole + N 32 Amp |
| B10R4040-30    | 10kA RCCB AC 3 Pole + N 40 Amp |
| B10R4063-30    | 10kA RCCB AC 3 Pole + N 63 Amp |
| <i>Type A</i>  |                                |
| B10R4025-30-A  | 10kA RCCB AC 3 Pole + N 25 Amp |
| B10R4032-30-A  | 10kA RCCB AC 3 Pole + N 32 Amp |
| B10R4040-30-A  | 10kA RCCB AC 3 Pole + N 40 Amp |
| B10R4063-30-A  | 10kA RCCB AC 3 Pole + N 63 Amp |

## 10kA RCCB 30mA 1 Pole + N Type AC\*



Manufactured in accordance with  
IEC 61008-1



| Part Number    | Description                    |
|----------------|--------------------------------|
| <i>Type AC</i> |                                |
| B10R2025-30    | 10kA RCCB AC 1 Pole + N 25 Amp |
| B10R2032-30    | 10kA RCCB AC 1 Pole + N 32 Amp |
| B10R2040-30    | 10kA RCCB AC 1 Pole + N 40 Amp |
| B10R2063-30    | 10kA RCCB AC 1 Pole + N 63 Amp |
| <i>Type A</i>  |                                |
| B10R2025-30-A  | 10kA RCCB AC 1 Pole + N 25 Amp |
| B10R2032-30-A  | 10kA RCCB AC 1 Pole + N 32 Amp |
| B10R2040-30-A  | 10kA RCCB AC 1 Pole + N 40 Amp |
| B10R2063-30-A  | 10kA RCCB AC 1 Pole + N 63 Amp |

## 10kA RCCB 30mA Type B



Manufactured in accordance with  
IEC 61008-1 & IEC 62423



| Part Number    | Description                                       |
|----------------|---------------------------------------------------|
| B10R2040-30-B  | 10kA 30mA RCCB AC 1 Pole+N 40 Amp 230VAC          |
| B10R2040-30-B3 | 3 Module 10kA 30mA RCCB AC 1 Pole+N 40 Amp 230VAC |
| B10R4040-30-B  | 10kA 30mA RCCB AC 3 Pole+N 40 Amp 415VAC          |

## 10kA RCBO B Curve 1 Pole + N Type AC\*



Manufactured in accordance with  
IEC 61009



| Part Number | Description                      |
|-------------|----------------------------------|
| B6BR1N06-30 | 10kA RCBO 30mA 1 Pole + N 6 Amp  |
| B6BR1N10-30 | 10kA RCBO 30mA 1 Pole + N 10 Amp |
| B6BR1N16-30 | 10kA RCBO 30mA 1 Pole + N 16 Amp |
| B6BR1N20-30 | 10kA RCBO 30mA 1 Pole + N 20 Amp |
| B6BR1N25-30 | 10kA RCBO 30mA 1 Pole + N 25 Amp |
| B6BR1N32-30 | 10kA RCBO 30mA 1 Pole + N 32 Amp |
| B6BR1N40-30 | 10kA RCBO 30mA 1 Pole + N 40 Amp |

**NOTE:** 100/300/500mA residual current available upon request, type A or AC. Please contact IMO.  
\* Type A also available

## 10kA RCBO A/AC C Curve 1 Pole + N Type A\*



Manufactured in accordance with  
IEC 61009



| Part Number   | Description                      |
|---------------|----------------------------------|
| B6CR1N06-30-A | 10kA RCBO 30mA 1 Pole + N 6 Amp  |
| B6CR1N10-30-A | 10kA RCBO 30mA 1 Pole + N 10 Amp |
| B6CR1N16-30-A | 10kA RCBO 30mA 1 Pole + N 16 Amp |
| B6CR1N20-30-A | 10kA RCBO 30mA 1 Pole + N 20 Amp |
| B6CR1N25-30-A | 10kA RCBO 30mA 1 Pole + N 25 Amp |
| B6CR1N32-30-A | 10kA RCBO 30mA 1 Pole + N 32 Amp |
| B6CR1N40-30-A | 10kA RCBO 30mA 1 Pole + N 40 Amp |

**NOTE:** 100/300/500mA residual current available upon request, type A or AC. Please contact IMO.  
\* Type AC also available

## 10kA RCBO A/AC D Curve 1 Pole + N Type A\*



Manufactured in accordance with  
IEC 61009



| Part Number   | Description                      |
|---------------|----------------------------------|
| B6DR1N06-30-A | 10kA RCBO 30mA 1 Pole + N 6 Amp  |
| B6DR1N10-30-A | 10kA RCBO 30mA 1 Pole + N 10 Amp |
| B6DR1N16-30-A | 10kA RCBO 30mA 1 Pole + N 16 Amp |
| B6DR1N20-30-A | 10kA RCBO 30mA 1 Pole + N 20 Amp |
| B6DR1N25-30-A | 10kA RCBO 30mA 1 Pole + N 25 Amp |
| B6DR1N32-30-A | 10kA RCBO 30mA 1 Pole + N 32 Amp |
| B6DR1N40-30-A | 10kA RCBO 30mA 1 Pole + N 40 Amp |

**NOTE:** 100/300/500mA residual current available upon request, type A or AC. Please contact IMO.  
\* Type AC also available

## 6kA Compact RCBO B Curve 1 Pole + N



Type A  
Manufactured in accordance with  
IEC 61009



| Part Number    | Description                             |
|----------------|-----------------------------------------|
| B6BRC1N06-30-A | 6kA Compact RCBO 30mA 1 Pole + N 6 Amp  |
| B6BRC1N10-30-A | 6kA Compact RCBO 30mA 1 Pole + N 10 Amp |
| B6BRC1N16-30-A | 6kA Compact RCBO 30mA 1 Pole + N 16 Amp |
| B6BRC1N20-30-A | 6kA Compact RCBO 30mA 1 Pole + N 20 Amp |
| B6BRC1N25-30-A | 6kA Compact RCBO 30mA 1 Pole + N 25 Amp |
| B6BRC1N32-30-A | 6kA Compact RCBO 30mA 1 Pole + N 32 Amp |

**NOTE:** Type AC also available. Please contact IMO.

## 6kA Compact RCBO C Curve 1 Pole + N



Type A  
Manufactured in accordance with  
IEC 61009



| Part Number    | Description                             |
|----------------|-----------------------------------------|
| B6CRC1N06-30-A | 6kA Compact RCBO 30mA 1 Pole + N 6 Amp  |
| B6CRC1N10-30-A | 6kA Compact RCBO 30mA 1 Pole + N 10 Amp |
| B6CRC1N13-30-A | 6kA Compact RCBO 30mA 1 Pole + N 13 Amp |
| B6CRC1N16-30-A | 6kA Compact RCBO 30mA 1 Pole + N 16 Amp |
| B6CRC1N20-30-A | 6kA Compact RCBO 30mA 1 Pole + N 20 Amp |
| B6CRC1N25-30-A | 6kA Compact RCBO 30mA 1 Pole + N 25 Amp |
| B6CRC1N32-30-A | 6kA Compact RCBO 30mA 1 Pole + N 32 Amp |

**NOTE:** Type AC also available. Please contact IMO.

## MCB Accessories



| Part Number | Description                            |
|-------------|----------------------------------------|
| BA1         | MCB Terminal Adaptor                   |
| B10-TERM    | MCB Terminal Blanking Cap              |
| B10-F3      | MCB Aux Contact 1PCO 6A                |
| B10S3       | MCB Shunt Trip                         |
| B10-LOCK    | MCB Lock Device (Padlock not included) |
| BB80A1P-F   | MCB Busbar 80 Amp 1P 1m Fork Type      |
| BB80A1P-P   | MCB Busbar 80 Amp 1P 1m Pin Type       |
| BB80A3P-F   | MCB Busbar 80 Amp 3P 1m Fork Type      |
| BB80A3P-P   | MCB Busbar 80 Amp 3P 1m Pin Type       |
| BB80A4P-F   | MCB Busbar 80 Amp 4P 1m Fork Type      |
| BB1P-CAP    | End Cap for 1P Busbar                  |
| BB3P-CAP    | End Cap for 3P Busbar                  |
| BR6-S2      | Shunt Trip 400/230/110VAC              |
| BR6-U2-02   | Under/Over Voltage Trip 170V<230V>280V |



# IMO STARLINE CATALOGUE

## 10kA MCB UL 489 C Curve 1 Pole



Manufactured in accordance with  
UL 489  
UL File No.: E495936



| Part Number | Description                         |
|-------------|-------------------------------------|
| UB10C100.5A | 10kA MCB UL 489 1 pole 0.5A C Curve |
| UB10C1001A  | 10kA MCB UL 489 1 pole 1A C Curve   |
| UB10C101.6A | 10kA MCB UL 489 1 pole 1.6A C Curve |
| UB10C1002A  | 10kA MCB UL 489 1 pole 2A C Curve   |
| UB10C1003A  | 10kA MCB UL 489 1 pole 3A C Curve   |
| UB10C1004A  | 10kA MCB UL 489 1 pole 4A C Curve   |
| UB10C1005A  | 10kA MCB UL 489 1 pole 5A C Curve   |
| UB10C1006A  | 10kA MCB UL 489 1 pole 6A C Curve   |
| UB10C1007A  | 10kA MCB UL 489 1 pole 7A C Curve   |
| UB10C1008A  | 10kA MCB UL 489 1 pole 8A C Curve   |
| UB10C1010A  | 10kA MCB UL 489 1 pole 10A C Curve  |
| UB10C1013A  | 10kA MCB UL 489 1 pole 13A C Curve  |
| UB10C1015A  | 10kA MCB UL 489 1 pole 15A C Curve  |
| UB10C1016A  | 10kA MCB UL 489 1 pole 16A C Curve  |
| UB10C1020A  | 10kA MCB UL 489 1 pole 20A C Curve  |
| UB10C1025A  | 10kA MCB UL 489 1 pole 25A C Curve  |
| UB10C1030A  | 10kA MCB UL 489 1 pole 30A C Curve  |
| UB10C1032A  | 10kA MCB UL 489 1 pole 32A C Curve  |
| UB10C1040A  | 10kA MCB UL 489 1 pole 40A C Curve  |
| UB10C1050A  | 10kA MCB UL 489 1 pole 50A C Curve  |
| UB10C1060A  | 10kA MCB UL 489 1 pole 60A C Curve  |
| UB10C1063A  | 10kA MCB UL 489 1 pole 63A C Curve  |

## 10kA MCB UL 489 C Curve 2 Pole



Manufactured in accordance with  
UL 489  
UL File No.: E495936



| Part Number | Description                         |
|-------------|-------------------------------------|
| UB10C200.5A | 10kA MCB UL 489 2 pole 0.5A C Curve |
| UB10C2001A  | 10kA MCB UL 489 2 pole 1A C Curve   |
| UB10C201.6A | 10kA MCB UL 489 2 pole 1.6A C Curve |
| UB10C2002A  | 10kA MCB UL 489 2 pole 2A C Curve   |
| UB10C2003A  | 10kA MCB UL 489 2 pole 3A C Curve   |
| UB10C2004A  | 10kA MCB UL 489 2 pole 4A C Curve   |
| UB10C2005A  | 10kA MCB UL 489 2 pole 5A C Curve   |
| UB10C2006A  | 10kA MCB UL 489 2 pole 6A C Curve   |
| UB10C2007A  | 10kA MCB UL 489 2 pole 7A C Curve   |
| UB10C2008A  | 10kA MCB UL 489 2 pole 8A C Curve   |
| UB10C2010A  | 10kA MCB UL 489 2 pole 10A C Curve  |
| UB10C2013A  | 10kA MCB UL 489 2 pole 13A C Curve  |
| UB10C2015A  | 10kA MCB UL 489 2 pole 15A C Curve  |
| UB10C2016A  | 10kA MCB UL 489 2 pole 16A C Curve  |
| UB10C2020A  | 10kA MCB UL 489 2 pole 20A C Curve  |
| UB10C2025A  | 10kA MCB UL 489 2 pole 25A C Curve  |
| UB10C2030A  | 10kA MCB UL 489 2 pole 30A C Curve  |
| UB10C2032A  | 10kA MCB UL 489 2 pole 32A C Curve  |
| UB10C2040A  | 10kA MCB UL 489 2 pole 40A C Curve  |
| UB10C2050A  | 10kA MCB UL 489 2 pole 50A C Curve  |
| UB10C2060A  | 10kA MCB UL 489 2 pole 60A C Curve  |
| UB10C2063A  | 10kA MCB UL 489 2 pole 63A C Curve  |

## 10kA MCB UL 489 C Curve 3 Pole



Manufactured in accordance with  
UL 489  
UL File No.: E495936



| Part Number | Description                         |
|-------------|-------------------------------------|
| UB10C300.5A | 10kA MCB UL 489 3 pole 0.5A C Curve |
| UB10C3001A  | 10kA MCB UL 489 3 pole 1A C Curve   |
| UB10C301.6A | 10kA MCB UL 489 3 pole 1.6A C Curve |
| UB10C3002A  | 10kA MCB UL 489 3 pole 2A C Curve   |
| UB10C3003A  | 10kA MCB UL 489 3 pole 3A C Curve   |
| UB10C3004A  | 10kA MCB UL 489 3 pole 4A C Curve   |
| UB10C3005A  | 10kA MCB UL 489 3 pole 5A C Curve   |
| UB10C3006A  | 10kA MCB UL 489 3 pole 6A C Curve   |
| UB10C3007A  | 10kA MCB UL 489 3 pole 7A C Curve   |
| UB10C3008A  | 10kA MCB UL 489 3 pole 8A C Curve   |
| UB10C3010A  | 10kA MCB UL 489 3 pole 10A C Curve  |
| UB10C3013A  | 10kA MCB UL 489 3 pole 13A C Curve  |
| UB10C3015A  | 10kA MCB UL 489 3 pole 15A C Curve  |
| UB10C3016A  | 10kA MCB UL 489 3 pole 16A C Curve  |
| UB10C3020A  | 10kA MCB UL 489 3 pole 20A C Curve  |
| UB10C3025A  | 10kA MCB UL 489 3 pole 25A C Curve  |
| UB10C3030A  | 10kA MCB UL 489 3 pole 30A C Curve  |
| UB10C3032A  | 10kA MCB UL 489 3 pole 32A C Curve  |
| UB10C3040A  | 10kA MCB UL 489 3 pole 40A C Curve  |
| UB10C3050A  | 10kA MCB UL 489 3 pole 50A C Curve  |
| UB10C3060A  | 10kA MCB UL 489 3 pole 60A C Curve  |
| UB10C3063A  | 10kA MCB UL 489 3 pole 63A C Curve  |

## 10kA MCB UL 1077 C Curve 1 Pole



Manufactured in accordance with  
UL 1077  
UL File No.: E495935



| Part Number | Description                          |
|-------------|--------------------------------------|
| US10C100.5A | 10kA MCB UL 1077 1 pole 0.5A C Curve |
| US10C1001A  | 10kA MCB UL 1077 1 pole 1A C Curve   |
| US10C101.6A | 10kA MCB UL 1077 1 pole 1.6A C Curve |
| US10C1002A  | 10kA MCB UL 1077 1 pole 2A C Curve   |
| US10C1003A  | 10kA MCB UL 1077 1 pole 3A C Curve   |
| US10C1004A  | 10kA MCB UL 1077 1 pole 4A C Curve   |
| US10C1005A  | 10kA MCB UL 1077 1 pole 5A C Curve   |
| US10C1006A  | 10kA MCB UL 1077 1 pole 6A C Curve   |
| US10C1007A  | 10kA MCB UL 1077 1 pole 7A C Curve   |
| US10C1008A  | 10kA MCB UL 1077 1 pole 8A C Curve   |
| US10C1010A  | 10kA MCB UL 1077 1 pole 10A C Curve  |
| US10C1013A  | 10kA MCB UL 1077 1 pole 13A C Curve  |
| US10C1015A  | 10kA MCB UL 1077 1 pole 15A C Curve  |
| US10C1016A  | 10kA MCB UL 1077 1 pole 16A C Curve  |
| US10C1020A  | 10kA MCB UL 1077 1 pole 20A C Curve  |
| US10C1025A  | 10kA MCB UL 1077 1 pole 25A C Curve  |
| US10C1030A  | 10kA MCB UL 1077 1 pole 30A C Curve  |
| US10C1032A  | 10kA MCB UL 1077 1 pole 32A C Curve  |
| US10C1040A  | 10kA MCB UL 1077 1 pole 40A C Curve  |
| US10C1050A  | 10kA MCB UL 1077 1 pole 50A C Curve  |
| US10C1060A  | 10kA MCB UL 1077 1 pole 60A C Curve  |
| US10C1063A  | 10kA MCB UL 1077 1 pole 63A C Curve  |

## 10kA MCB UL 1077 C Curve 2 Pole



Manufactured in accordance with  
UL 1077  
UL File No.: E495935



| Part Number | Description                          |
|-------------|--------------------------------------|
| US10C200.5A | 10kA MCB UL 1077 2 pole 0.5A C Curve |
| US10C2001A  | 10kA MCB UL 1077 2 pole 1A C Curve   |
| US10C201.6A | 10kA MCB UL 1077 2 pole 1.6A C Curve |
| US10C2002A  | 10kA MCB UL 1077 2 pole 2A C Curve   |
| US10C2003A  | 10kA MCB UL 1077 2 pole 3A C Curve   |
| US10C2004A  | 10kA MCB UL 1077 2 pole 4A C Curve   |
| US10C2005A  | 10kA MCB UL 1077 2 pole 5A C Curve   |
| US10C2006A  | 10kA MCB UL 1077 2 pole 6A C Curve   |
| US10C2007A  | 10kA MCB UL 1077 2 pole 7A C Curve   |
| US10C2008A  | 10kA MCB UL 1077 2 pole 8A C Curve   |
| US10C2010A  | 10kA MCB UL 1077 2 pole 10A C Curve  |
| US10C2013A  | 10kA MCB UL 1077 2 pole 13A C Curve  |
| US10C2015A  | 10kA MCB UL 1077 2 pole 15A C Curve  |
| US10C2016A  | 10kA MCB UL 1077 2 pole 16A C Curve  |
| US10C2020A  | 10kA MCB UL 1077 2 pole 20A C Curve  |
| US10C2025A  | 10kA MCB UL 1077 2 pole 25A C Curve  |
| US10C2030A  | 10kA MCB UL 1077 2 pole 30A C Curve  |
| US10C2032A  | 10kA MCB UL 1077 2 pole 32A C Curve  |
| US10C2040A  | 10kA MCB UL 1077 2 pole 40A C Curve  |
| US10C2050A  | 10kA MCB UL 1077 2 pole 50A C Curve  |
| US10C2060A  | 10kA MCB UL 1077 2 pole 60A C Curve  |
| US10C2063A  | 10kA MCB UL 1077 2 pole 63A C Curve  |

## 10kA MCB UL 1077 C Curve 3 Pole



Manufactured in accordance with  
UL 1077  
UL File No.: E495935



| Part Number | Description                          |
|-------------|--------------------------------------|
| US10C300.5A | 10kA MCB UL 1077 3 pole 0.5A C Curve |
| US10C3001A  | 10kA MCB UL 1077 3 pole 1A C Curve   |
| US10C301.6A | 10kA MCB UL 1077 3 pole 1.6A C Curve |
| US10C3002A  | 10kA MCB UL 1077 3 pole 2A C Curve   |
| US10C3003A  | 10kA MCB UL 1077 3 pole 3A C Curve   |
| US10C3004A  | 10kA MCB UL 1077 3 pole 4A C Curve   |
| US10C3005A  | 10kA MCB UL 1077 3 pole 5A C Curve   |
| US10C3006A  | 10kA MCB UL 1077 3 pole 6A C Curve   |
| US10C3007A  | 10kA MCB UL 1077 3 pole 7A C Curve   |
| US10C3008A  | 10kA MCB UL 1077 3 pole 8A C Curve   |
| US10C3010A  | 10kA MCB UL 1077 3 pole 10A C Curve  |
| US10C3013A  | 10kA MCB UL 1077 3 pole 13A C Curve  |
| US10C3015A  | 10kA MCB UL 1077 3 pole 15A C Curve  |
| US10C3016A  | 10kA MCB UL 1077 3 pole 16A C Curve  |
| US10C3020A  | 10kA MCB UL 1077 3 pole 20A C Curve  |
| US10C3025A  | 10kA MCB UL 1077 3 pole 25A C Curve  |
| US10C3030A  | 10kA MCB UL 1077 3 pole 30A C Curve  |
| US10C3032A  | 10kA MCB UL 1077 3 pole 32A C Curve  |
| US10C3040A  | 10kA MCB UL 1077 3 pole 40A C Curve  |
| US10C3050A  | 10kA MCB UL 1077 3 pole 50A C Curve  |
| US10C3060A  | 10kA MCB UL 1077 3 pole 60A C Curve  |
| US10C3063A  | 10kA MCB UL 1077 3 pole 63A C Curve  |

**NOTE:** All UL MCBs shown are C Curve. UL 489 type MCBs are also available in D Curve. For correct part number replace "C" with "D" for example UB10C1001A becomes UB10D1001A. UL 1077 type MCBs are also available in B Curve and D Curve. For correct part number replace "C" with either "B" or "D" depending upon requirement, for example US10C2001A becomes US10B2001A for B Curve, or US10D2001A for D Curve.

PRICING GROUP  
**124**

## Surge Protection Devices



### SPDS Compact Single Module SPD



Type 2 Surge Protection Device  
Protects all earthing systems -  
TN, TT, IT  
Suitable for 20kA & 40kA systems



| Part Number | Description                       |
|-------------|-----------------------------------|
| SPDS-201N   | 20kA Surge Protection 275VAC 1P+N |
| SPDS-401N*  | 40kA Surge Protection 275VAC 1P+N |

\* Available from stock

### SPD2 Standard SPD



Type 2/3 Surge Protection Device  
Protects all earthing systems -  
TN, TT, IT  
Suitable for 20kA & 40kA systems



| Part Number | Description                                      |
|-------------|--------------------------------------------------|
| SPD2-401N*  | 2 Module 40kA Surge Protection 275VAC 1P+N       |
| SPD4-403N*  | 4 Module 40kA Surge Protection 275VAC 3P+N       |
| SPD2-201N   | 2 Module 20kA Surge Protection 275VAC 1P+N       |
| SPD4-203N   | 4 Module 20kA Surge Protection 275VAC 3P+N       |
| SPD2-20-275 | 2 Module 20kA Surge Protection 275VAC 2P TN Only |
| SPD2-40-275 | 2 Module 40kA Surge Protection 275VAC 2P TN Only |
| SPD4-20-275 | 4 Module 20kA Surge Protection 275VAC 4P TN Only |
| SPD4-40-275 | 4 Module 40kA Surge Protection 275VAC 4P TN Only |

\* Available from stock



[sales@imopc.com](mailto:sales@imopc.com)



01707 414 444

# IMO STARLINE CATALOGUE

PRICING GROUP

**126**

## DIN Rail Terminals & Accessories

Including End Brackets, Cross Connections, Markers, DIN Rail & Busbars



### Screw Clamp Terminals



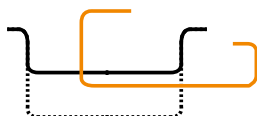
Available Colours (Beige as standard)



| Part Number | Description                                       |
|-------------|---------------------------------------------------|
| ER2.5       | 2.5mm <sup>2</sup> 750V 24 Amp (Pack size 100pcs) |
| ER4         | 4mm <sup>2</sup> 750V 32 Amp (Pack size 100pcs*)  |
| ER6         | 6mm <sup>2</sup> 630V 41 Amp (Pack size 100pcs*)  |
| ER10        | 10mm <sup>2</sup> 630V 57 Amp (Pack size 100pcs)  |
| ER16        | 16mm <sup>2</sup> 750V 76 Amp (Pack size 50pcs)   |
| ER16P       | 16mm <sup>2</sup> 750V 76 Amp (Pack size 50pcs)   |
| ER25P       | 25mm <sup>2</sup> 750V 101 Amp (Pack size 50pcs)  |
| ER35P       | 35mm <sup>2</sup> 750V 125 Amp (Pack size 50pcs)  |

\* Pack size quantities will change as old stock is replenished as follows:-  
ER4 new pack size: 80pcs ER6 new pack size: 60pcs

**NOTE:** When ordering, please specify the colour required. i.e. ER2.5BLUE.  
ER16P, ER25P & ER35P can be used on either standard DIN Rail or G-Rail.



— G-Rail profile

### Screw Clamp High-Insulation Terminals

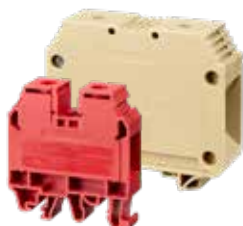


Available Colours (Beige as standard)



| Part Number | Description                                       |
|-------------|---------------------------------------------------|
| ER50        | 50mm <sup>2</sup> 1000V 150 Amp (Pack size 25pcs) |
| ER70        | 70mm <sup>2</sup> 1000V 192 Amp (Pack size 10pcs) |
| ER95        | 95mm <sup>2</sup> 1000V 232 Amp (Pack size 6pcs)  |
| ER150       | 150mm <sup>2</sup> 1000V 309 Amp (Pack size 4pcs) |
| ER240       | 240mm <sup>2</sup> 1000V 415 Amp (Pack size 4pcs) |

### PV Rated Screw Clamp Terminals



1000V Rated up to 175A  
Specifically for use in Solar Applications



| Part Number | Description                                       |
|-------------|---------------------------------------------------|
| ER16PV      | 16mm <sup>2</sup> 1000V 85 Amp (Pack size 50pcs)  |
| ER35PV      | 35mm <sup>2</sup> 1000V 115 Amp (Pack size 40pcs) |
| ER50PV      | 50mm <sup>2</sup> 1000V 150 Amp (Pack size 25pcs) |
| ER70PV      | 70mm <sup>2</sup> 1000V 175 Amp (Pack size 25pcs) |

### Screw Clamp Earth Terminals



Green/Yellow Marble Only



| Part Number | Description                          |
|-------------|--------------------------------------|
| ERPE2.5P    | 2.5mm <sup>2</sup> (Pack size 50pcs) |
| ERPE2.5/4   | 4mm <sup>2</sup> (Pack size 50pcs)   |
| ERPE6/10    | 6mm <sup>2</sup> (Pack size 25pcs)   |
| ERPE16P     | 16mm <sup>2</sup> (Pack size 25pcs)  |
| ERPE35P     | 35mm <sup>2</sup> (Pack size 1pc)    |

### Screw Clamp High-Current Terminals



Available Colours (Beige as standard)



| Part Number | Description                                       |
|-------------|---------------------------------------------------|
| ERB95       | 95mm <sup>2</sup> 1000V 232 Amp (Pack size 4pcs)  |
| ERB150      | 150mm <sup>2</sup> 1000V 309 Amp (Pack size 4pcs) |
| ERB240      | 240mm <sup>2</sup> 1000V 415 Amp (Pack size 4pcs) |

**NOTE:** All DIN Rail Terminals listed are supplied in pack sizes of 100 pieces

### Screw Clamp High-Current Accessories

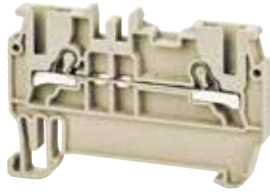


| Part Number | Description                                  |
|-------------|----------------------------------------------|
| IC95        | Isolation Cover for ERB95 (Pack of 4)        |
| IC150       | Isolation Cover for ERB150 (Pack of 4)       |
| IC240       | Isolation Cover for ERB240 (Pack of 4)       |
| CCB95/2*    | Cross Connector for ERB95 2-Way (Pack of 5)  |
| CCB150/2*   | Cross Connector for ERB150 2-Way (Pack of 5) |
| CCB240/2*   | Cross Connector for ERB240 2-Way (Pack of 5) |

\* Available in 2-Way, 3-Way and 4-Way e.g. CCB95/4

For a complete range of DIN Rail Terminal accessories, including Busbars, Terminal Strips and Clamping Yokes, refer to [www.imopc.com](http://www.imopc.com) or contact IMO for more information and pricing.

## Push Fit Terminals



Available Colours (Beige as standard)



| Part Number | Description                                         |
|-------------|-----------------------------------------------------|
| PF1.5       | 1.5mm <sup>2</sup> 800V 17.5 Amp (Pack size 100pcs) |
| PF2.5       | 2.5mm <sup>2</sup> 800V 24 Amp (Pack size 100pcs)   |
| PF4         | 4mm <sup>2</sup> 800V 32 Amp (Pack size 100pcs*)    |
| PF6         | 6mm <sup>2</sup> 800V 41 Amp (Pack size 100pcs*)    |
| PF10        | 10mm <sup>2</sup> 800V 57 Amp (Pack size 50pcs)     |

\* Pack size quantities will change as old stock is replenished as follows:-  
PF4 new pack size: 80pcs PF6 new pack size: 60pcs

**NOTE:** When ordering, please specify the colour required. i.e. PF2.5BLUE



**PUSH FIT:** On average, the IMO Push Fit terminal offers up to 75% saving on wiring time when compared to a screw clamp connection.

## Double Deck Push Fit Terminals



Available Colours (Beige as standard)



| Part Number | Description                                      |
|-------------|--------------------------------------------------|
| PFD2.5      | 2.5mm <sup>2</sup> 500V 24 Amp (Pack size 40pcs) |
| PFD2.5V     | 2.5mm <sup>2</sup> 500V 24 Amp (Pack size 40pcs) |
| PFD4        | 4mm <sup>2</sup> 500V 32 Amp (Pack size 25pcs)   |

## Push Fit Earth Terminals



Green/Yellow Marble Only



| Part Number | Description                          |
|-------------|--------------------------------------|
| PFPE1.5P    | 1.5mm <sup>2</sup> (Pack size 80pcs) |
| PFPE2.5P    | 2.5mm <sup>2</sup> (Pack size 50pcs) |
| PFPE4P      | 4mm <sup>2</sup> (Pack size 50pcs)   |
| PFPE6P      | 6mm <sup>2</sup> (Pack size 60pcs)   |
| PFPE10P     | 10mm <sup>2</sup> (Pack size 25pcs)  |

## Fuse Push Fit Terminals



Available Colours (Beige as standard)



| Part Number      | Description                                     |
|------------------|-------------------------------------------------|
| PFF4LD520-24VDC  | 4mm <sup>2</sup> 24VDC 10 Amp (Pack size 15pcs) |
| PFF4LD520-220VAC | 4mm <sup>2</sup> 220V 10 Amp (Pack size 15pcs)  |
| PFF4LD525-24VDC  | 4mm <sup>2</sup> 24VDC 10 Amp (Pack size 15pcs) |
| PFF4LD525-220VAC | 4mm <sup>2</sup> 220V 10 Amp (Pack size 15pcs)  |
| PFF3             | 4mm <sup>2</sup> 500V 10 Amp (Pack size 15pcs)  |
| PFF3LD-24VDC     | 4mm <sup>2</sup> 24VDC 10 Amp (Pack size 15pcs) |
| PFF3LD-220VAC    | 4mm <sup>2</sup> 220V 10 Amp (Pack size 15pcs)  |

## Cross Connections



Available in 2, 3, 4 & 10 Configurations  
Sold in Pack of 5 Pieces



| Part Number | Description                     |
|-------------|---------------------------------|
| CC2.5/10*   | For Use With ER2.5              |
| CC4/10*     | For Use With ER4                |
| CC6/10*     | For Use With ER6                |
| CC10/10*    | For Use With ER10               |
| CC16/10*    | For Use With ER16, ER16P & ER25 |
| CC35/10*    | For Use With ER35               |
| CCS1.5/10*  | For Use With PF1.5              |
| CCS2.5/10*  | For Use With PF2.5              |
| CCS4/10*    | For Use With PF4                |
| CCS6/10*    | For Use With PF6                |
| CCS10/10*   | For Use With PF10               |

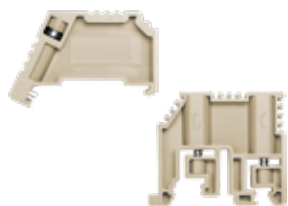
\* Available in 2, 3, 4 & 10 configurations

**NOTE:** Prices quoted are based on 10 configuration and can be broken down into virtually any configuration.



# IMO STARLINE CATALOGUE

## End Brackets

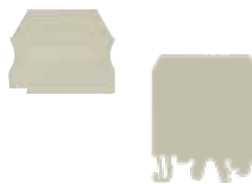


Supplied in Beige As Standard  
(Other Colours Available)  
Sold in Pack of 100 Pieces  
(ES6 Sold in Pack of 50 Pieces)



| Part Number | Description                             |
|-------------|-----------------------------------------|
| ES1         | Screw Type for MR35 Rail (Beige)        |
| ES3         | Screw Type for MR32 & MR35 Rail (Beige) |
| ES4         | Screwless Type for MR35 Rail (Beige)    |
| ES6         | Screw Type for MR35 Rail (Beige)        |

## End Plates



Supplied in Beige As Standard  
(Other Colours Available)  
Sold in Pack of 100 Pieces  
(EP50 Sold in Pack of 10 Pieces)



| Part Number | Description                            |
|-------------|----------------------------------------|
| EP2.5-10    | Polyamide 66 For Use With ER2.5 - ER10 |
| EP16        | Polyamide 66 For Use With ER16         |
| EP25P       | Polyamide 66 For Use With ER25P        |
| EP50        | Polyamide 66 For Use With ER50 - ER240 |

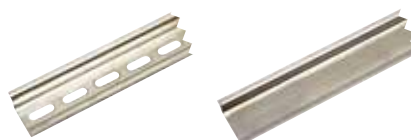
## Warning Labels & Group Marking



Sold in Pack of 25 Pieces  
(GMBEIGE Sold in Pack of 50 Pieces)

| Part Number | Description                            |
|-------------|----------------------------------------|
| WL1         | Warning Label With Symbol (Yellow)     |
| WL2         | Warning Label Without Symbol (Yellow)  |
| WL3         | Warning Label With Symbol (White)      |
| GMBEIGE     | Tag Carrier For ER Range 1xWhite Label |
| GM2         | Tag Carrier For ER Range 4xMT5 Markers |

## DIN Rail



| Part Number       | Description                           |
|-------------------|---------------------------------------|
| DINRAIL1M-UNSLLOT | 1m Unslotted Electrolytic Zinc Coated |
| DINRAIL2M-UNSLLOT | 2m Unslotted Electrolytic Zinc Coated |
| DINRAIL1MG-SLOT   | 1m Slotted Galvanized                 |
| DINRAIL2MG-SLOT   | 2m Slotted Galvanized                 |

## MT5 Marking Tags



MT5 markers can be used with  
the whole DIN Terminal range.  
Sold in Pack of 500 Pieces

| Part Number | Description                   |
|-------------|-------------------------------|
| MT5         | Unprinted Tags 5x5mm          |
| MT5-1-50    | Pre-Printed Tags 1-50 5x5mm   |
| MT5-51-100  | Pre-Printed Tags 51-100 5x5mm |

For all DIN Rail Terminal marking options and solutions including our Thermal Marker Printer, please visit [www.imopc.com](http://www.imopc.com).



**For the complete range of  
DIN Rail Terminals,  
go to [www.imopc.com](http://www.imopc.com)  
and download the catalogue**



PRICING GROUP  
**142**

## Single & Three Phase Power Supplies

Universal Input Voltage, High Efficiency, DIN Rail Mountable



### LPS-1 Single Phase PSU



**NEW**



| Part Number         | Description                                |
|---------------------|--------------------------------------------|
| <i>Plastic Body</i> |                                            |
| LPS-1-010-24DC      | 85-264VAC or 120-370VDC 0.42 Amp 10W 24VDC |
| LPS-1-024-24DC      | 85-264VAC or 120-370VDC 1 Amp 24W 24VDC    |
| LPS-1-030-5DC       | 85-264VAC or 120-370VDC 6 Amp 30W 5VDC     |
| LPS-1-040-12DC      | 85-264VAC or 120-370VDC 3.33 Amp 40W 12VDC |
| LPS-1-040-24DC      | 85-264VAC or 120-370VDC 1.7 Amp 40W 24VDC  |
| LPS-1-060-12DC      | 85-264VAC or 120-370VDC 5 Amp 60W 12VDC    |
| LPS-1-060-24DC      | 85-264VAC or 120-370VDC 2.5 Amp 60W 24VDC  |
| LPS-1-090-12DC      | 85-264VAC or 120-370VDC 7.5 Amp 90W 12VDC  |
| <i>Metal Body</i>   |                                            |
| LPS-1-120-12DC      | 90-264VAC or 127-375VDC 10 Amp 120W 12VDC  |
| LPS-1-120-24DC      | 90-264VAC or 127-375VDC 5 Amp 120W 24VDC   |
| LPS-1-120-48DC      | 90-264VAC or 127-375VDC 2.5 Amp 120W 48VDC |
| LPS-1-240-24DC      | 90-264VAC or 127-375VDC 10 Amp 240W 24VDC  |
| LPS-1-240-48DC      | 90-264VAC or 127-375VDC 5 Amp 240W 48VDC   |
| LPS-1-480-24DC      | 90-264VAC or 127-375VDC 20 Amp 480W 24VDC  |

### BPS-1 Single Phase Slimline PSU



| Part Number         | Description                             |
|---------------------|-----------------------------------------|
| <i>Plastic Body</i> |                                         |
| BPS-1-15-12DC       | 90-264VAC 127-370VDC 1.2 Amp 15W 12VDC  |
| BPS-1-30-12DC       | 90-264VAC 127-370VDC 2.5 Amp 30W 12VDC  |
| BPS-1-15-24DC       | 90-264VAC 127-370VDC 0.65 Amp 15W 24VDC |
| BPS-1-30-24DC       | 90-264VAC 127-370VDC 1.3 Amp 30W 24VDC  |
| <i>Metal Body</i>   |                                         |
| BPS-1-60-12DC       | 90-264VAC 127-370VDC 5 Amp 60W 12VDC    |
| BPS-1-100-12DC      | 90-264VAC 127-370VDC 8 Amp 100W 12VDC   |
| BPS-1-70-24DC       | 90-264VAC 127-370VDC 3 Amp 70W 24VDC    |
| BPS-1-120-24DC      | 90-264VAC 127-370VDC 5 Amp 120W 24VDC   |
| BPS-1-180-24DC      | 90-264VAC 127-370VDC 7.5 Amp 180W 24VDC |
| BPS-1-240-24DC      | 90-264VAC 127-370VDC 10 Amp 240W 24VDC  |
| BPS-1-480-24DC      | 90-264VAC 127-370VDC 20 Amp 480W 24VDC  |

### LPS-3 Three Phase PSU



**NEW**



| Part Number       | Description                                |
|-------------------|--------------------------------------------|
| <i>Metal Body</i> |                                            |
| LPS-3-240-24DC    | 340-550VAC or 480-780VDC 10 Amp 240W 24VDC |
| LPS-3-480-24DC    | 340-550VAC or 480-780VDC 20 Amp 480W 24VDC |

### SPS-1 Single Phase Modular PSU



**NEW**



| Part Number         | Description                                                                      |
|---------------------|----------------------------------------------------------------------------------|
| <i>Plastic Body</i> |                                                                                  |
| SPS-1-012-5DC       | 85-264VAC or 120-370VDC 2.4 Amp 12W 5VDC                                         |
| SPS-1-015-12DC      | 85-264VAC or 120-370VDC 1.25 Amp 15W 12VDC                                       |
| SPS-1-015-24DC      | 85-264VAC or 120-370VDC 0.63 Amp 15W 24VDC                                       |
| SPS-1-024-12DC      | 85-264VAC or 120-370VDC 2 Amp 24W 12VDC                                          |
| SPS-1-030-24DC      | 85-264VAC or 120-370VDC 1.25 Amp 30W 24VDC                                       |
| SPS-1-060-24DC      | 85-264VAC or 120-370VDC 2.5 Amp 60W 24VDC                                        |
| SPS-1-092-24DC      | 85-264VAC or 120-370VDC 3.83 Amp 92W 24VDC                                       |
| SPS-1-150-24DC      | 85-264VAC or 120-370VDC 6.25 Amps 150W (230VAC) / 5.3 Amps 127.4W (115VAC) 24VDC |

### HPS-1 Single Phase Peak Performance PSU



**NEW**



| Part Number       | Description                                                 |
|-------------------|-------------------------------------------------------------|
| <i>Metal Body</i> |                                                             |
| HPS-1-120-12DC    | 90-264VAC or 127-375VDC 10 Amp 120W (180W for 3 sec) 12VDC  |
| HPS-1-120-24DC    | 90-264VAC or 127-375VDC 5 Amp 120W (180W for 3 sec) 24VDC   |
| HPS-1-120-48DC    | 90-264VAC or 127-375VDC 2.5 Amp 120W (180W for 3 sec) 48VDC |
| HPS-1-240-24DC    | 90-264VAC or 127-375VDC 10 Amp 240W (360W for 3 sec) 24VDC  |
| HPS-1-240-48DC    | 90-264VAC or 127-375VDC 5 Amp 240W (360W for 3 sec) 48VDC   |
| HPS-1-480-24DC    | 90-264VAC or 127-375VDC 20 Amp 480W (720W for 3 sec) 24VDC  |

### REDMOD Redundancy Module PSU



**NEW**



| Part Number | Description                               |
|-------------|-------------------------------------------|
| REDMOD20    | 19-29VDC 20 Amps Continuous 2 Inputs IP20 |



# IMO STARLINE CATALOGUE

PRICING GROUP

**116**

## Enclosed AC Isolators (PE69)

3, 4, 6 & 8 Pole Versions Available, On Load 20A ~ 125A



### PE69 3 Pole ↑ 125A IP66 AC Isolator



Red/Yellow  
3 Padlock Positions  
Auxiliary Contact Available



| Part Number | Description                         |
|-------------|-------------------------------------|
| PE69-3020   | 3 Pole 20 Amp (AC21) 16 Amp (AC23)  |
| PE69-3025   | 3 Pole 25 Amp (AC21) 20 Amp (AC23)  |
| PE69-3032   | 3 Pole 32 Amp (AC21) 25 Amp (AC23)  |
| PE69-3040   | 3 Pole 40 Amp (AC21) 32 Amp (AC23)  |
| PE69-3063   | 3 Pole 63 Amp (AC21) 45 Amp (AC23)  |
| PE69-3080   | 3 Pole 80 Amp (AC21) 45 Amp (AC23)  |
| PE69-30100  | 3 Pole 100 Amp (AC21) 72 Amp (AC23) |
| PE69-30125  | 3 Pole 125 Amp (AC21) 85 Amp (AC23) |

### PE69 4 Pole ↑ 125A IP66 AC Isolator



Red/Yellow  
3 Padlock Positions  
Auxiliary Contact Available



| Part Number | Description                         |
|-------------|-------------------------------------|
| PE69-4020   | 4 Pole 20 Amp (AC21) 16 Amp (AC23)  |
| PE69-4025   | 4 Pole 25 Amp (AC21) 20 Amp (AC23)  |
| PE69-4032   | 4 Pole 32 Amp (AC21) 25 Amp (AC23)  |
| PE69-4040   | 4 Pole 40 Amp (AC21) 32 Amp (AC23)  |
| PE69-4063   | 4 Pole 63 Amp (AC21) 45 Amp (AC23)  |
| PE69-4080   | 4 Pole 80 Amp (AC21) 45 Amp (AC23)  |
| PE69-40100  | 4 Pole 100 Amp (AC21) 72 Amp (AC23) |
| PE69-40125  | 4 Pole 125 Amp (AC21) 85 Amp (AC23) |

### PE69 L 3 Pole ↑ 125A IP66 AC Isolator



Longer Body  
with extra  
wiring space

Red/Yellow  
3 Padlock Positions  
Auxiliary Contact Available



| Part Number | Description                        |
|-------------|------------------------------------|
| PE69-3020L  | 3 Pole 20 Amp (AC21) 16 Amp (AC23) |
| PE69-3025L  | 3 Pole 25 Amp (AC21) 20 Amp (AC23) |
| PE69-3032L  | 3 Pole 32 Amp (AC21) 25 Amp (AC23) |
| PE69-3040L  | 3 Pole 40 Amp (AC21) 32 Amp (AC23) |

### PE69 L 4 Pole ↑ 125A IP66 AC Isolator



Longer Body  
with extra  
wiring space

Red/Yellow  
3 Padlock Positions  
Auxiliary Contact Available



| Part Number | Description                        |
|-------------|------------------------------------|
| PE69-4020L  | 4 Pole 20 Amp (AC21) 16 Amp (AC23) |
| PE69-4025L  | 4 Pole 25 Amp (AC21) 20 Amp (AC23) |
| PE69-4032L  | 4 Pole 32 Amp (AC21) 25 Amp (AC23) |
| PE69-4040L  | 4 Pole 40 Amp (AC21) 32 Amp (AC23) |

### PE69 6 Pole ↑ 80A IP66 AC Isolator



Red/Yellow  
3 Padlock Positions  
Auxiliary Contact Available



| Part Number | Description                        |
|-------------|------------------------------------|
| PE69-6020   | 6 Pole 20 Amp (AC21) 16 Amp (AC23) |
| PE69-6025   | 6 Pole 25 Amp (AC21) 20 Amp (AC23) |
| PE69-6032   | 6 Pole 32 Amp (AC21) 25 Amp (AC23) |
| PE69-6040   | 6 Pole 40 Amp (AC21) 32 Amp (AC23) |
| PE69-6063   | 6 Pole 63 Amp (AC21) 45 Amp (AC23) |
| PE69-6080   | 6 Pole 80 Amp (AC21) 45 Amp (AC23) |

### PE69 8 Pole ↑ 80A IP66 AC Isolator



Red/Yellow  
3 Padlock Positions  
Auxiliary Contact Available



| Part Number | Description                        |
|-------------|------------------------------------|
| PE69-8020   | 8 Pole 20 Amp (AC21) 16 Amp (AC23) |
| PE69-8025   | 8 Pole 25 Amp (AC21) 20 Amp (AC23) |
| PE69-8032   | 8 Pole 32 Amp (AC21) 25 Amp (AC23) |
| PE69-8040   | 8 Pole 40 Amp (AC21) 32 Amp (AC23) |
| PE69-8063   | 8 Pole 63 Amp (AC21) 45 Amp (AC23) |
| PE69-8080   | 8 Pole 80 Amp (AC21) 45 Amp (AC23) |

## Front Panel (PM69), Direct (DM69) & Base Mount AC Isolators (LB69) 3 & 4 Pole Versions Available, On Load 20A ~ 80A



### PM69 3 Pole ↑ 125A AC Isolator



Range of Door Handles  
(1 or 3 Padlocking Positions) Available



| Part Number     | Description                              |
|-----------------|------------------------------------------|
| PM69-3020-B64   | 3 Pole 20 Amp Black Handle 64x64mm       |
| PM69-3020-RY48  | 3 Pole 20 Amp Red/Yellow Handle 48x48mm  |
| PM69-3020-RY64  | 3 Pole 20 Amp Red/Yellow Handle 64x64mm  |
| PM69-3025-RY64  | 3 Pole 25 Amp Red/Yellow Handle 64x64mm  |
| PM69-3032-RY64  | 3 Pole 32 Amp Red/Yellow Handle 64x64mm  |
| PM69-3040-RY64  | 3 Pole 40 Amp Red/Yellow Handle 64x64mm  |
| PM69-3063-RY64  | 3 Pole 63 Amp Red/Yellow Handle 64x64mm  |
| PM69-3080-RY64  | 3 Pole 80 Amp Red/Yellow Handle 64x64mm  |
| PM69-30100-RY64 | 3 Pole 100 Amp Red/Yellow Handle 64x64mm |
| PM69-30125-RY64 | 3 Pole 125 Amp Red/Yellow Handle 64x64mm |

### PM69 4 Pole ↑ 125A AC Isolator



Range of Door Handles  
(1 or 3 Padlocking Positions) Available



| Part Number     | Description                              |
|-----------------|------------------------------------------|
| PM69-4020-RY64  | 4 Pole 20 Amp Red/Yellow Handle 64x64mm  |
| PM69-4032-RY48  | 4 Pole 32 Amp Red/Yellow Handle 48x48mm  |
| PM69-4040-RY64  | 4 Pole 40 Amp Red/Yellow Handle 64x64mm  |
| PM69-4063-RY64  | 4 Pole 63 Amp Red/Yellow Handle 64x64mm  |
| PM69-4080-RY64  | 4 Pole 80 Amp Red/Yellow Handle 64x64mm  |
| PM69-40100-RY64 | 4 Pole 100 Amp Red/Yellow Handle 64x64mm |

### LB69 3 Pole ↑ 80A AC Isolator



Range of Interlocked Door Handles  
(1 or 3 Padlocking Positions) Available



| Part Number | Description                        |
|-------------|------------------------------------|
| LB69-3020   | 3 Pole 20 Amp (AC21) 16 Amp (AC23) |
| LB69-3025   | 3 Pole 25 Amp (AC21) 20 Amp (AC23) |
| LB69-3032   | 3 Pole 32 Amp (AC21) 25 Amp (AC23) |
| LB69-3040   | 3 Pole 40 Amp (AC21) 32 Amp (AC23) |
| LB69-3063   | 3 Pole 63 Amp (AC21) 45 Amp (AC23) |
| LB69-3080   | 3 Pole 80 Amp (AC21) 45 Amp (AC23) |

### LB69 4 Pole ↑ 80A AC Isolator



Range of Interlocked Door Handles  
(1 or 3 Padlocking Positions) Available



| Part Number | Description                        |
|-------------|------------------------------------|
| LB69-4020   | 4 Pole 20 Amp (AC21) 16 Amp (AC23) |
| LB69-4025   | 4 Pole 25 Amp (AC21) 20 Amp (AC23) |
| LB69-4032   | 4 Pole 32 Amp (AC21) 25 Amp (AC23) |
| LB69-4040   | 4 Pole 40 Amp (AC21) 32 Amp (AC23) |
| LB69-4063   | 4 Pole 63 Amp (AC21) 45 Amp (AC23) |
| LB69-4080   | 4 Pole 80 Amp (AC21) 45 Amp (AC23) |

NOTE: 6 Pole and 8 Pole versions are available upon request.

### DM69 3,4 & 8 Pole ↑ 80A AC Isolator



1 Padlocking Position  
48x48 Handle in Black or Red/Yellow  
To Suit Distribution Boxes



| Part Number    | Description                            |
|----------------|----------------------------------------|
| DM69-3020-RY48 | 3 Pole 20 Amp (AC21) Red/Yellow Handle |
| DM69-3032-RY48 | 3 Pole 32 Amp (AC21) Red/Yellow Handle |
| DM69-3063-RY48 | 3 Pole 63 Amp (AC21) Red/Yellow Handle |
| DM69-4032-RY48 | 4 Pole 32 Amp (AC21) Red/Yellow Handle |
| DM69-4063-RY48 | 4 Pole 63 Amp (AC21) Red/Yellow Handle |
| DM69-8032-RY48 | 8 Pole 32 Amp (AC21) Red/Yellow Handle |

### AC Isolator Accessories



| Part Number | Description               |
|-------------|---------------------------|
| H69-0001    | Red/Yellow Handle 64x64mm |
| H69-0001-B  | Black Handle 64x64mm      |
| H69-0003    | Red/Yellow Handle 48x48mm |
| H69-0004    | Black Handle 48x48mm      |
| J7049       | Door Handle Mounting Tool |
| E69-0001    | Extension Shaft 100mm     |
| E69-0002    | Extension Shaft 200mm     |
| E69-0003    | Extension Shaft 300mm     |
| E69-0004    | Extension Shaft 400mm     |
| A69-0001    | Aux. Contacts 1NO+1NC     |
| A69-0002    | Aux. Contacts 2NO         |



## TRUE DC SOLAR ISOLATORS



### Over 8 Million Installed Units - ZERO FAILURES

In solar installation, the DC isolator is like a vehicle air-bag. You never know it really works until you need it. So it's good to know that the IMO SI has now surpassed 8million installed units without a single recorded failure.

Not surprising considering the product carries all the most important approvals including UL508i, TUV (IEC 60947-1 & IEC 60947-3), CE and CCC. In fact, the IMO SI solar isolator has been tested by some of the most rigorous examiners and OEM manufacturers in the world, passing with flying colours every single time.

As ever, the SI range has a guaranteed arc suppression time of under 5mS, in built arc cooling chambers, operator independent switching mechanism and Safe-Lock handle, making it one of the safest DC isolators available, no matter who uses it or how slowly they operate it.

**Why take a risk on safety? Insist on TRUE DC, contact us for a quotation and see why the IMO SI TRUE DC Isolator is the sensible choice for the PV installer.**

*Keep Solar Safe*

PRICING GROUP  
**117**

### SI Range of Solar Isolators & Accessories Market-leading TRUE DC enclosed solar isolators since 2009



#### Enclosed Isolator with Rotary Actuator Switch - **Lockable OFF**



- Rotary Actuator Switch
- Lockable OFF with Safe-Lock ©
- Self-Extinguishing Plastic Enclosure
- M25 Cable Gland Entry Option
- NEMA Type 4X
- IP67 Rated



| Part Number    | DC-PV1 |      |       |       | UL Ratings UL508i |      |      |       | Poles in series | No. of Strings | Contact Configuration |
|----------------|--------|------|-------|-------|-------------------|------|------|-------|-----------------|----------------|-----------------------|
|                | 600V   | 800V | 1000V | 1500V | 350V              | 500V | 600V | 1000V |                 |                |                       |
| SI16-PEL64R-2  | 16A    | 16A  | 10A   | 3A    | 16A               | 16A  | 16A  | -     | 2               | 1              |                       |
| SI25-PEL64R-2  | 25A    | 20A  | 11.5A | 5A    | 25A               | 25A  | 25A  | -     | 2               | 1              |                       |
| SI32-PEL64R-2  | 32A    | 23A  | 13A   | 6A    | 32A               | 32A  | 32A  | -     | 2               | 1              |                       |
| SI40-PEL64R-2  | 48A    | 35A  | 29A   | 8A    | 48A               | 48A  | 48A  | 16A   | 2               | 1              |                       |
| SI55-PEL64R-2  | 55A    | 55A  | 36A   | 10A   | 55A               | 55A  | 55A  | 20A   | 2               | 1              |                       |
| SI65-PEL64R-2  | 76A    | 65A  | 40A   | 10A   | 65A               | 65A  | 65A  | 25A   | 2               | 1              |                       |
| SI16-PEL64R-4  | 16A    | 16A  | 10A   | 3A    | 16A               | 16A  | 16A  | -     | 2               | 2              |                       |
| SI25-PEL64R-4  | 25A    | 20A  | 11.5A | 5A    | 25A               | 25A  | 25A  | -     | 2               | 2              |                       |
| SI32-PEL64R-4  | 32A    | 23A  | 13A   | 6A    | 32A               | 32A  | 32A  | -     | 2               | 2              |                       |
| SI40-PEL64R-4  | 48A    | 35A  | 29A   | 8A    | 48A               | 48A  | 48A  | 16A   | 2               | 2              |                       |
| SI55-PEL64R-4  | 55A    | 55A  | 36A   | 10A   | 55A               | 55A  | 55A  | 20A   | 2               | 2              |                       |
| SI65-PEL64R-4  | 76A    | 65A  | 40A   | 10A   | 65A               | 65A  | 65A  | 25A   | 2               | 2              |                       |
| SI16-PEL64R-4S | 16A    | 16A  | 16A   | 16A   | 16A               | 16A  | 16A  | -     | 4               | 1              |                       |
| SI25-PEL64R-4S | 25A    | 25A  | 25A   | 25A   | 25A               | 25A  | 25A  | -     | 4               | 1              |                       |
| SI32-PEL64R-4S | 32A    | 32A  | 32A   | 32A   | 32A               | 32A  | 32A  | -     | 4               | 1              |                       |
| SI40-PEL64R-4S | 48A    | 48A  | 40A   | 40A   | 48A               | 48A  | 40A  | 40A   | 4               | 1              |                       |
| SI55-PEL64R-4S | 55A    | 55A  | 55A   | 55A   | 55A               | 55A  | 55A  | 55A   | 4               | 1              |                       |
| SI65-PEL64R-4S | 76A    | 76A  | 76A   | 55A   | 55A               | 55A  | 55A  | 55A   | 4               | 1              |                       |

## Isolator with Lever Actuator Switch for Distribution Boards - Lockable OFF



- Lever Actuator Switch
- Lockable OFF with Safe-Lock ©
- For Distribution Boards
- Low Height Handle also available
- NEMA Type 1 Handle
- IP40 Body



| Part Number | DC21A IEC60947-3 |      |       |       | UL Ratings UL508i |      |      |       | Poles in series | No. of Strings | Contact Configuration |
|-------------|------------------|------|-------|-------|-------------------|------|------|-------|-----------------|----------------|-----------------------|
|             | 600V             | 800V | 1000V | 1500V | 350V              | 500V | 600V | 1000V |                 |                |                       |
| SI16-DBL-2  | 16A              | 16A  | 10A   | 3A    | 16A               | 16A  | 16A  | -     | 2               | 1              |                       |
| SI25-DBL-2  | 25A              | 20A  | 11.5A | 5A    | 25A               | 25A  | 25A  | -     | 2               | 1              |                       |
| SI32-DBL-2  | 32A              | 23A  | 13A   | 6A    | 32A               | 32A  | 32A  | -     | 2               | 1              |                       |
| SI40-DBL-2  | 48A              | 35A  | 29A   | 8A    | 48A               | 48A  | 48A  | 16A   | 2               | 1              |                       |
| SI55-DBL-2  | 55A              | 55A  | 36A   | 10A   | 55A               | 55A  | 55A  | 20A   | 2               | 1              |                       |
| SI65-DBL-2  | 76A              | 65A  | 40A   | 10A   | 65A               | 65A  | 65A  | 25A   | 2               | 1              |                       |
| SI16-DBL-4  | 16A              | 16A  | 10A   | 3A    | 16A               | 16A  | 16A  | -     | 2               | 2              |                       |
| SI25-DBL-4  | 25A              | 20A  | 11.5A | 5A    | 25A               | 25A  | 25A  | -     | 2               | 2              |                       |
| SI32-DBL-4  | 32A              | 23A  | 13A   | 6A    | 32A               | 32A  | 32A  | -     | 2               | 2              |                       |
| SI40-DBL-4  | 48A              | 35A  | 29A   | 8A    | 48A               | 48A  | 48A  | 16A   | 2               | 2              |                       |
| SI55-DBL-4  | 55A              | 55A  | 36A   | 10A   | 55A               | 55A  | 55A  | 20A   | 2               | 2              |                       |
| SI65-DBL-4  | 76A              | 65A  | 40A   | 10A   | 65A               | 65A  | 65A  | 25A   | 2               | 2              |                       |
| SI16-DBL-4S | 16A              | 16A  | 16A   | 16A   | 16A               | 16A  | 16A  | -     | 4               | 1              |                       |
| SI25-DBL-4S | 25A              | 25A  | 25A   | 25A   | 25A               | 25A  | 25A  | -     | 4               | 1              |                       |
| SI32-DBL-4S | 32A              | 32A  | 32A   | 32A   | 32A               | 32A  | 32A  | -     | 4               | 1              |                       |
| SI40-DBL-4S | 48A              | 48A  | 40A   | 40A   | 48A               | 48A  | 40A  | 40A   | 4               | 1              |                       |
| SI55-DBL-4S | 55A              | 55A  | 55A   | 55A   | 55A               | 55A  | 55A  | 55A   | 4               | 1              |                       |
| SI65-DBL-4S | 76A              | 76A  | 76A   | 55A   | 55A               | 55A  | 55A  | 55A   | 4               | 1              |                       |

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## ASA Plastic Distribution Boxes



### ASA Plastic Distribution Boxes



High Thermal Stability  
Transparent Door  
Earth & Neutral Bars Included  
Suitable for PV Applications



| Part Number | Description                                  |
|-------------|----------------------------------------------|
| E-04W       | 4 Way IP65 (201 x 128 x 120mm)               |
| E-06W       | 6 Way IP65 (201 x 165 x 120mm)               |
| E-08W       | 8 Way IP65 (201 x 202 x 120mm)               |
| E-12W       | 12 Way IP65 (259 x 319 x 144mm)              |
| E-24W       | 24 Way IP65 (384 x 319 x 144mm)              |
| E-36W       | 36 Way IP65 (534 x 319 x 144mm)              |
| E-48W       | 48 Way IP65 (664 x 319 x 141mm)              |
| E-BLANK     | 10 Way Blanking Plate for Distribution Boxes |

**NOTE:** The image above is for illustrative purposes only, and does not come supplied as standard with the isolators as seen.



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# IMO STARLINE CATALOGUE

PRICING GROUP

**115**

## Contactors 2.2~400kW & Accessories

High reliability contactors, interlocks and thermal overload relays



### MA05 Micro Contactor



**Probably the smallest  
in the world**

#### 2.2kW 5A AC3 Micro Contactor



TS15 DIN Rail mountable  
(for MA-P1039 35mm DIN Rail Adapter  
see p.20)  
Ultra small dimensions



| Part Number    | Description                                |
|----------------|--------------------------------------------|
| MA05-S-01110AC | 3P Open 2.2kW 12A AC1 Aux. 1NC 110VAC coil |
| MA05-S-0124AC  | 3P Open 2.2kW 12A AC1 Aux. 1NC 24VAC coil  |
| MA05-S-10110AC | 3P Open 2.2kW 12A AC1 Aux. 1NO 110VAC coil |
| MA05-S-10230AC | 3P Open 2.2kW 12A AC1 Aux. 1NO 230VAC coil |
| MA05-S-0124DC  | 3P Open 2.2kW 12A AC1 Aux. 1NC 24VDC coil  |
| MA05-S-1024DC  | 3P Open 2.2kW 12A AC1 Aux. 1NO 24VDC coil  |

**NOTE:** Other variations available including Reversing Pair & PCB mount. Please contact IMO.

#### 4kW 9A AC3 Mini Contactor



Screw terminals option  
Solder pins option  
Fast on tab connection option



| Part Number    | Description                                           |
|----------------|-------------------------------------------------------|
| MB09-F-00230   | 3P Open 4kW 9A AC3 Fast On Connection 230VAC coil     |
| MB09-P-10=24   | 3P Open 4kW 9A AC3 1NO Aux, PCB Mount 24VDC coil      |
| MB09-R-S-0124  | Reversing Pair 3P Open 4kW 9A AC3 1NC Aux, 24VAC coil |
| MB09-S-0040230 | 4P Open 4kW 9A AC3 230VAC coil                        |
| MB09-S-01230   | 3P Open 4kW 9A AC3 1NC Aux, 230VAC coil*              |
| MB09-S-01=24   | 3P Open 4kW 9A AC3 1NC Aux, 24VDC coil*               |
| MB09-S-10110   | 3P Open 4kW 9A AC3 1NO Aux, 110VAC coil*              |
| MB09-S-10230   | 3P Open 4kW 9A AC3 1NO Aux, 230VAC coil*              |
| MB09-S-1024    | 3P Open 4kW 9A AC3 1NO Aux, 24VAC coil*               |
| MB09-S-10400   | 3P Open 4kW 9A AC3 1NO Aux, 400VAC coil*              |
| MB09-S-10=24   | 3P Open 4kW 9A AC3 1NO Aux, 24VDC coil*               |

\* Overload = U12/16E...K1

#### 5.5kW 12A AC3 Mini Contactor



Screw terminals option  
Solder pins option  
Fast on tab connection option



| Part Number  | Description                                  |
|--------------|----------------------------------------------|
| MB12-S-01=24 | 3P Open 5.5kW 12A AC3, 1NC Aux, 24VDC coil*  |
| MB12-S-10110 | 3P Open 5.5kW 12A AC3, 1NO Aux, 110VAC coil* |
| MB12-S-10230 | 3P Open 5.5kW 12A AC3, 1NO Aux, 230VAC coil* |
| MB12-S-1024  | 3P Open 5.5kW 12A AC3, 1NO Aux, 24VAC coil*  |
| MB12-S-10=24 | 3P Open 5.5kW 12A AC3, 1NO Aux, 24VDC coil*  |

\* Overload = U12/16E...K1

## 4kW 10A AC3 Contactor



Coil connection top & bottom  
Bifurcated aux. contacts  
Easy coil swap



| Part Number         | Description                                |
|---------------------|--------------------------------------------|
| MC10N-S-00-04230AC  | 4P Closed 4kW 10A AC3, 230VAC coil*        |
| MC10N0-S-00-04400AC | 4P Closed 4kW 10A AC3, 400VAC coil*        |
| MC10N-S-00-2224AC   | 4P (2NO/2NC) 4kW 10A AC3, 24VAC coil*      |
| MC10N-S-00-2224DC   | 4P (2NO/2NC) 4kW 10A AC3, 24VDC coil*      |
| MC10N-S-00-22110AC  | 4P (2NO/2NC) 4kW 10A AC3, 110VAC coil*     |
| MC10N-S-00-22180AC  | 4P (2NO/2NC) 4kW 10A AC3, 180VAC coil*     |
| MC10N-S-00-22230AC  | 4P (2NO/2NC) 4kW 10A AC3, 230VAC coil*     |
| MC10N-S-00-40110AC  | 4P Open 4kW 10A AC3, 110VAC coil*          |
| MC10N-S-00-40230AC  | 4P Open 4kW 10A AC3, 230VAC coil*          |
| MC10N-S-00-4024AC   | 4P Open 4kW 10A AC3, 24VAC coil*           |
| MC10N-S-0031110AC   | 4P (3NO+1NC) 4kW 10A AC3, 110VAC coil*     |
| MC10N-S-01110AC     | 3P Open 4kW 10A AC3, 1NC Aux, 110VAC coil* |
| MC10N-S-01230AC     | 3P Open 4kW 10A AC3, 1NC Aux, 230VAC coil* |
| MC10N-S-0124AC      | 3P Open 4kW 10A AC3, 1NC Aux, 24VAC coil*  |
| MC10N-S-0124DC      | 3P Open 4kW 10A AC3, 1NC Aux, 24VDC coil*  |
| MC10N-S-01400AC     | 3P Open 4kW 10A AC3, 1NC Aux, 400VAC coil* |
| MC10N-S-10110AC     | 3P Open 4kW 10A AC3, 1NO Aux, 110VAC coil* |
| MC10N-S-10230AC     | 3P Open 4kW 10A AC3, 1NO Aux, 230VAC coil* |
| MC10N-S-1024AC      | 3P Open 4kW 10A AC3, 1NO Aux, 24VAC coil*  |
| MC10N-S-1024DC      | 3P Open 4kW 10A AC3, 1NO Aux, 24VDC coil*  |
| MC10N-S-10400AC     | 3P Open 4kW 10A AC3, 1NO Aux, 400VAC coil* |

\* Overload = MCOR-1... or U12/16E...-MC

## 7.5kW 18A AC3 Contactor



Coil connection top & bottom  
Bifurcated aux. contacts  
Easy coil swap



| Part Number        | Description                                  |
|--------------------|----------------------------------------------|
| MC18N-S-00-0424DC  | 4P Closed 7.5kW 18A AC3, 24VDC coil*         |
| MC18N-S-00-04110AC | 4P Closed 7.5kW 18A AC3, 110VAC coil*        |
| MC18N-S-00-22110AC | 4P (2NO/2NC) 7.5kW 18A AC3, 110VAC coil      |
| MC18N-S-00-22230AC | 4P (2NO/2NC) 7.5kW 18A AC3, 230VAC coil      |
| MC18N-S-00-4024AC  | 4P Open 7.5kW 18A AC3, 24VAC coil*           |
| MC18N-S-00-4024DC  | 4P Open 7.5kW 18A AC3, 24VDC coil*           |
| MC18N-S-00-40110AC | 4P Open 7.5kW 18A AC3, 110VAC coil*          |
| MC18N-S-00-40230AC | 4P Open 7.5kW 18A AC3, 230VAC coil*          |
| MC18N-S-00-40400AC | 4P Open 7.5kW 18A AC3, 400VAC coil*          |
| MC18N-S-01110AC    | 3P Open 7.5kW 18A AC3, 1NC Aux, 110VAC coil* |
| MC18N-S-01230AC    | 3P Open 7.5kW 18A AC3, 1NC Aux, 230VAC coil* |
| MC18N-S-0124AC     | 3P Open 7.5kW 18A AC3, 1NC Aux, 24VAC coil*  |
| MC18N-S-0124DC     | 3P Open 7.5kW 18A AC3, 1NC Aux, 24VDC coil*  |
| MC18N-S-01400AC    | 3P Open 7.5kW 18A AC3, 1NC Aux, 400VAC coil* |
| MC18N-S-10110AC    | 3P Open 7.5kW 18A AC3, 1NO Aux, 110VAC coil* |
| MC18N-S-10230AC    | 3P Open 7.5kW 18A AC3, 1NO Aux, 230VAC coil* |
| MC18N-S-1024AC     | 3P Open 7.5kW 18A AC3, 1NO Aux, 24VAC coil*  |
| MC18N-S-1024DC     | 3P Open 7.5kW 18A AC3, 1NO Aux, 24VDC coil*  |
| MC18N-S-10400AC    | 3P Open 7.5Kw 18A AC3, 1NO Aux, 400VAC coil* |

\* Overload = MCOR-1... or U12/16E...-MC

## 5.5kW 14A AC3 Contactor



Coil connection top & bottom  
Bifurcated aux. contacts  
Easy coil swap



| Part Number        | Description                                  |
|--------------------|----------------------------------------------|
| MC14N-S-00-04400AC | 4P Closed 5.5kW 14A AC3, 400VAC coil*        |
| MC14N-S-00-22230AC | 4P (2NO/2NC) 5.5kW 14A AC3, 230VAC coil      |
| MC14N-S-00-4024AC  | 4P Open 5.5kW 14A AC3, 24VAC coil*           |
| MC14N-S-00-40230AC | 4P Open 5.5kW 14A AC3, 230VAC coil*          |
| MC14N-S-01110AC    | 3P Open 5.5kW 14A AC3, 1NC Aux, 110VAC coil* |
| MC14N-S-01230AC    | 3P Open 5.5kW 14A AC3, 1NC Aux, 230VAC coil* |
| MC14N-S-0124AC     | 3P Open 5.5kW 14A AC3, 1NC Aux, 24VAC coil*  |
| MC14N-S-0124DC     | 3P Open 5.5kW 14A AC3, 1NC Aux, 24VDC coil*  |
| MC14N-S-10110AC    | 3P Open 5.5kW 14A AC3, 1NO Aux, 110VAC coil* |
| MC14N-S-10230AC    | 3P Open 5.5kW 14A AC3, 1NO Aux, 230VAC coil* |
| MC14N-S-1024AC     | 3P Open 5.5kW 14A AC3, 1NO Aux, 24VAC coil*  |
| MC14N-S-1024DC     | 3P Open 5.5kW 14A AC3, 1NO Aux, 24VDC coil*  |
| MC14N-S-10400AC    | 3P Open 5.5kW 14A AC3, 1NO Aux, 400VAC coil* |

\* Overload = MCOR-1... or U12/16E...-MC

## 11kW 22A AC3 Contactor



Coil connection top & bottom  
Bifurcated aux. contacts  
Easy coil swap



| Part Number        | Description                                 |
|--------------------|---------------------------------------------|
| MC22N-S-00-4024AC  | 4P Open 11kW 22A AC3, 24VAC coil*           |
| MC22N-S-00-4024DC  | 4P Open 11kW 22A AC3, 24VDC coil*           |
| MC22N-S-00-40110AC | 4P Open 11kW 22A AC3, 110VAC coil*          |
| MC22N-S-00-40230AC | 4P Open 11kW 22A AC3, 230VAC coil*          |
| MC22N-S-00-40400AC | 4P Open 11kW 22A AC3, 400VAC coil*          |
| MC22N-S-01230AC    | 3P Open 11kW 22A AC3, 1NC Aux, 230VAC coil* |
| MC22N-S-10110AC    | 3P Open 11kW 22A AC3, 1NO Aux, 110VAC coil* |
| MC22N-S-10230AC    | 3P Open 11kW 22A AC3, 1NO Aux, 230VAC coil* |
| MC22N-S-1024AC     | 3P Open 11kW 22A AC3, 1NO Aux, 24VAC coil*  |
| MC22N-S-1024DC     | 3P Open 11kW 22A AC3, 1NO Aux, 24VDC coil*  |
| MC22N-S-10400AC    | 3P Open 11kW 22A AC3, 1NO Aux, 400VAC coil* |

\* Overload = MCOR-1... or U12/16E...-MC



# IMO STARLINE CATALOGUE

## 11kW 24A AC3 Contactor



Coil connection top & bottom  
Bifurcated aux. contacts  
Easy coil swap



| Part Number        | Description                            |
|--------------------|----------------------------------------|
| MC24N-S-00-0424AC  | 4P Closed 11kW 24A AC3, 24VAC coil*    |
| MC24N-S-00-0424DC  | 4P Closed 11kW 24A AC3, 24VDC coil*    |
| MC24N-S-00-04230AC | 4P Closed 11kW 24A AC3, 230VAC coil*   |
| MC24N-S-00-04400AC | 4P Closed 11kW 24A AC3, 400VAC coil*   |
| MC24N-S-00-2224AC  | 4P (2NO/2NC) 11kW 24A AC3, 24VAC coil  |
| MC24N-S-00-2224DC  | 4P (2NO/2NC) 11kW 24A AC3, 24VDC coil  |
| MC24N-S-00-22230AC | 4P (2NO/2NC) 11kW 24A AC3, 230VAC coil |
| MC24N-S-00-22400AC | 4P (2NO/2NC) 11kW 24A AC3, 400VAC coil |
| MC24N-S-00-4024AC  | 4P Open 11kW 24A AC3, 24VAC coil*      |
| MC24N-S-00-4024DC  | 4P Open 11kW 24A AC3, 24VDC coil*      |
| MC24N-S-00-40230AC | 4P Open 11kW 24A AC3, 230VAC coil*     |
| MC24N-S-00-40400AC | 4P Open 11kW 24A AC3, 400VAC coil*     |
| MC24-S-00110       | 3P Open 11kW 24A AC3, 110VAC coil*     |
| MC24-S-00230       | 3P Open 11kW 24A AC3, 230VAC coil*     |
| MC24-S-0024        | 3P Open 11kW 24A AC3, 24VAC coil*      |
| MC24-S-00400       | 3P Open 11kW 24A AC3, 400VAC coil*     |
| MC24-S-00=24       | 3P Open 11kW 24A AC3, 24VDC coil*      |

\* Overload = MCOR-1... or MCOR-2...

## 18.5kW 40A AC3 Contactor



Coil connection top & bottom  
Bifurcated aux. contacts  
Easy coil swap



| Part Number        | Description                              |
|--------------------|------------------------------------------|
| MC40N-S-00-0424AC  | 4P Closed 18.5kW 40A AC3, 24VAC coil*    |
| MC40N-S-00-0424DC  | 4P Closed 18.5kW 40A AC3, 24VDC coil*    |
| MC40N-S-00-04230AC | 4P Closed 18.5kW 40A AC3, 230VAC coil*   |
| MC40N-S-00-04400AC | 4P Closed 18.5kW 40A AC3, 400VAC coil*   |
| MC40N-S-00-2224AC  | 4P (2NO/2NC) 18.5kW 40A AC3, 24VAC coil  |
| MC40N-S-00-2224DC  | 4P (2NO/2NC) 18.5kW 40A AC3, 24VDC coil  |
| MC40N-S-00-22230AC | 4P (2NO/2NC) 18.5kW 40A AC3, 230VAC coil |
| MC40N-S-00-22400AC | 4P (2NO/2NC) 18.5kW 40A AC3, 400VAC coil |
| MC40N-S-00-4024AC  | 4P Open 18.5kW 40A AC3, 24VAC coil*      |
| MC40N-S-00-4024DC  | 4P Open 18.5kW 40A AC3, 24VDC coil*      |
| MC40N-S-00-40230AC | 4P Open 18.5kW 40A AC3, 230VAC coil*     |
| MC40N-S-00-40400AC | 4P Open 18.5kW 40A AC3, 400VAC coil*     |
| MC40-S-00110       | 3P Open 18.5kW 40A AC3, 110VAC coil*     |
| MC40-S-00230       | 3P Open 18.5kW 40A AC3, 230VAC coil*     |
| MC40-S-0024        | 3P Open 18.5kW 40A AC3, 24VAC coil*      |
| MC40-S-00400       | 3P Open 18.5kW 40A AC3, 400VAC coil*     |
| MC40-S-00=24       | 3P Open 18.5kW 40A AC3, 24VDC coil*      |

\* Overload = MCOR-2...

## 15kW 32A AC3 Contactor



Coil connection top & bottom  
Bifurcated aux. contacts  
Easy coil swap



| Part Number        | Description                            |
|--------------------|----------------------------------------|
| MC32N-S-00-4024AC  | 4P Open 15kW 32A AC3, 24VAC coil*      |
| MC32N-S-00-4024DC  | 4P Open 15kW 32A AC3, 24VDC coil*      |
| MC32N-S-00-40230AC | 4P Open 15kW 32A AC3, 230VAC coil*     |
| MC32N-S-00-40400AC | 4P Open 15kW 32A AC3, 400VAC coil*     |
| MC32N-S-00-2224AC  | 4P (2NO/2NC) 15kW 32A AC3, 24VAC coil  |
| MC32N-S-00-2224DC  | 4P (2NO/2NC) 15kW 32A AC3, 24VDC coil  |
| MC32N-S-00-22230AC | 4P (2NO/2NC) 15kW 32A AC3, 230VAC coil |
| MC32N-S-00-22400AC | 4P (2NO/2NC) 15kW 32A AC3, 400VAC coil |
| MC32N-S-00-0424AC  | 4P Closed 15kW 32A AC3, 24VAC coil*    |
| MC32N-S-00-0424DC  | 4P Closed 15kW 32A AC3, 24VDC coil*    |
| MC32N-S-00-04230AC | 4P Closed 15kW 32A AC3, 230VAC coil*   |
| MC32N-S-00-04400AC | 4P Closed 15kW 32A AC3, 400VAC coil*   |
| MC32-S-00110       | 3P Open 15kW 32A AC3, 110VAC coil*     |
| MC32-S-00230       | 3P Open 15kW 32A AC3, 230VAC coil*     |
| MC32-S-0024        | 3P Open 15kW 32A AC3, 24VAC coil*      |
| MC32-S-00400       | 3P Open 15kW 32A AC3, 400VAC coil*     |
| MC32-S-00=24       | 3P Open 15kW 32A AC3, 24VDC coil*      |

\* Overload = MCOR-1... or MCOR-2...

## 22kW 50A AC3 Contactor



Coil connection top & bottom  
Bifurcated aux. contacts  
Easy coil swap



| Part Number        | Description                        |
|--------------------|------------------------------------|
| MC50N-S-00-4024AC  | 4P Open 22kW 50A AC3, 24VAC coil*  |
| MC50N-S-00-4024DC  | 4P Open 22kW 50A AC3, 24VDC coil*  |
| MC50N-S-00-40110AC | 4P Open 22kW 50A AC3, 110VAC coil* |
| MC50N-S-00-40230AC | 4P Open 22kW 50A AC3, 230VAC coil* |
| MC50N-S-00-40400AC | 4P Open 22kW 50A AC3, 400VAC coil* |
| MC50-S-00110       | 3P Open 22kW 50A AC3, 110VAC coil* |
| MC50-S-00230       | 3P Open 22kW 50A AC3, 230VAC coil* |
| MC50-S-0024        | 3P Open 22kW 50A AC3, 24VAC coil*  |
| MC50-S-00=24       | 3P Open 22kW 50A AC3, 24VDC coil*  |

\* Overload = MCOR-3...

## 30kW 62A AC3 Contactor



Coil connection top & bottom  
Bifurcated aux. contacts  
Easy coil swap



| Part Number        | Description                        |
|--------------------|------------------------------------|
| MC62N-S-00-4024AC  | 4P Open 30kW 62A AC3, 24VAC coil*  |
| MC62N-S-00-4024DC  | 4P Open 30kW 62A AC3, 24VDC coil*  |
| MC62N-S-00-40230AC | 4P Open 30kW 62A AC3, 230VAC coil* |
| MC62N-S-00-40400AC | 4P Open 30kW 62A AC3, 400VAC coil* |
| MC62-S-00110       | 3P Open 30kW 62A AC3, 110VAC coil* |
| MC62-S-00230       | 3P Open 30kW 62A AC3, 230VAC coil* |
| MC62-S-0024        | 3P Open 30kW 62A AC3, 24VAC coil*  |
| MC62-S-00400       | 3P Open 30kW 62A AC3, 400VAC coil* |
| MC62-S-00=24       | 3P Open 30kW 62A AC3, 24VDC coil*  |

\* Overload = MCOR-3...

## 37kW 74A AC3 Contactor



Coil connection top & bottom  
Bifurcated aux. contacts  
Easy coil swap



| Part Number        | Description                        |
|--------------------|------------------------------------|
| MC74N-S-00-4024AC  | 4P Open 37kW 74A AC3, 24VAC coil*  |
| MC74N-S-00-4024DC  | 4P Open 37kW 74A AC3, 24VDC coil*  |
| MC74N-S-00-40230AC | 4P Open 37kW 74A AC3, 230VAC coil* |
| MC74N-S-00-40400AC | 4P Open 37kW 74A AC3, 400VAC coil* |
| MC74-S-00110       | 3P Open 37kW 74A AC3, 110VAC coil* |
| MC74-S-00230       | 3P Open 37kW 74A AC3, 230VAC coil* |
| MC74-S-00400       | 3P Open 37kW 74A AC3, 400VAC coil* |

\* Overload = MCOR-3...

## 45kW 90A AC3 Contactor



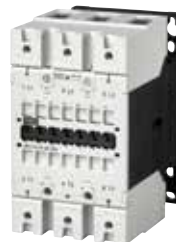
Coil connection top & bottom  
Bifurcated aux. contacts  
Easy coil swap



| Part Number  | Description                                 |
|--------------|---------------------------------------------|
| MC90-S-00110 | 3P Open 45kW 90A AC3, 110-120V 110VAC coil* |
| MC90-S-00230 | 3P Open 45kW 90A AC3, 220-240V 220VDC coil* |

\* Overload = MCOR-4...

## 55kW 115A AC3 Contactor



Coil connection top & bottom  
Bifurcated aux. contacts  
Easy coil swap



| Part Number   | Description                                  |
|---------------|----------------------------------------------|
| MC115-S-00110 | 3P Open 55kW 115A AC3, 110-120V 110VAC coil* |
| MC115-S-00230 | 3P Open 55kW 115A AC3, 220-240V 230VDC coil* |

\* Overload = MCOR-4...

## Capacitor Switching Contactor



For reactive or non-reactive  
capacitor banks



| Part Number     | Description                   |
|-----------------|-------------------------------|
| MC18N-K-10400AC | 12.5kVar 1N0 Aux. 400VAC coil |
| MC32-K-00110    | 25kVar 110VAC coil            |
| MC32-K-00230    | 25kVar 230VAC coil            |
| MC32-K-00400    | 25kVar 400VAC coil            |
| MC50-K-00400    | 33.3kVar 400VAC coil          |
| MC62-K-00110    | 50kVar 110VAC coil            |
| MC62-K-00230    | 50kVar 230VAC coil            |
| MC62-K-00400    | 50kVar 400VAC coil            |
| MC74-K-00230    | 75kVar 230VAC coil            |
| MC74-K-00400    | 75kVar 400VAC coil            |
| MC115-K-00230   | 100kVar 230VAC coil 50/60Hz   |

## AC3 DC Operated Contactor



Low power consumption  
3W inrush-sealed



| Part Number       | Description                           |
|-------------------|---------------------------------------|
| MCD10-S-00-4024DC | 4P Open 4kW 10A 24VDC coil            |
| MCD10-S-10=24     | 3P Open 4kW 10A 1N0 Aux, 24VDC coil   |
| MCD14-S-10=24     | 3P Open 5.5kW 14A 1N0 Aux, 24VDC coil |
| MCD18-S-10=24     | 3P Open 7.5kW 18A 1N0 Aux, 24VDC coil |
| MCD22-S-10=24     | 3P Open 11kW 22A 1N0 Aux, 24VDC coil  |
| MCD32-S-00=24     | 3P Open 15kW 24VDC coil               |
| MCD40-S-00=24     | 3P Open 18.5kW 24VDC coil             |



# IMO STARLINE CATALOGUE

PRICING GROUP

**115**

## Contact Blocks, Interlocks, Coils & Thermal Overload Relays

Auxiliary components & accessories to complement IMO contactors



### Contact Blocks & Interlocks



| Part Number    | Description                                       |
|----------------|---------------------------------------------------|
| <b>MBA-11</b>  | Aux. Contact Block for MB Contactors 1NO/1NC      |
| <b>MBA-22</b>  | Aux. Contact Block for MB09 / 12... 2NO/2NC       |
| <b>MCA01</b>   | Aux. Contact Block for MC10 to 115 1NC Top Mount  |
| <b>MCA01U</b>  | Aux. Contact Block for MC10 to 115 1NC Late Break |
| <b>MCA10</b>   | Aux. Contact Block for MC10 to 115 1NO Top Mount  |
| <b>MCA10U</b>  | Aux. Contact Block for MC10 to 115 1NO Late Break |
| <b>MCAA11</b>  | Aux. Contact Block for MC151 to 316 1NO/1NC Side  |
| <b>MCAH01</b>  | High Switching Capacity 25A AC1 1NC Top Mount     |
| <b>MCAH10</b>  | High Switching Capacity 25A AC1 1NO Top Mount     |
| <b>MCAS-11</b> | Aux. Contact Block for MC24 to 115 1NO/1NC Side   |
| <b>MC-I-W</b>  | Interlock for MC(D)10 to MC(D)40 Contactors       |
| <b>MC-I-X</b>  | Interlock for MC50 to MC74 Contactors             |
| <b>MC-I-Y</b>  | Interlock for MC90 & MC115 Contactor              |

### MC10 to MC22 Coils



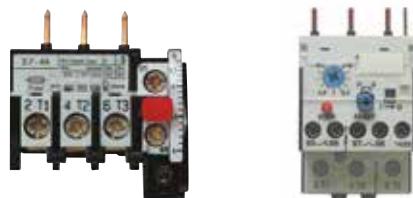
| Part Number       | Description                        |
|-------------------|------------------------------------|
| <b>K10N/4.110</b> | Coil 110-115V 50/60Hz              |
| <b>K10N/4.230</b> | Coil 220-240V 50Hz / 230-264V 60Hz |
| <b>K10N/4.24</b>  | Coil 24V 50/60Hz                   |
| <b>K10N/4.400</b> | Coil 380-415V 50Hz / 400-440V 60Hz |

### Accessories



| Part Number      | Description                                       |
|------------------|---------------------------------------------------|
| <b>MA-P1039</b>  | MA Snap-on Adaptor for 35mm DIN Rail              |
| <b>MCNW-VB10</b> | Reversing Starter Connector for MCN10/18          |
| <b>MCY-C-40</b>  | Star Delta Load Circuit Connection Links MC24-40  |
| <b>U12SM-MC</b>  | DIN Rail Mounting Kit for U12/16E...-MC Overloads |
| <b>U3/32SM</b>   | Overload Terminal Set for MCOR-1-... Overloads    |
| <b>U3/42G</b>    | DIN Mounting Bracket for MCOR-2                   |
| <b>Y9A415</b>    | Timer for Star-Delta Starters 1-20s 110-415VAC    |
| <b>Y9A60</b>     | Timer for Star-Delta Starters 1-20s 24-60VAC      |

### Thermal Overload Relays



| Part Number          | Description                             |
|----------------------|-----------------------------------------|
| <b>U12/16E0.9-MC</b> | Man.Reset for MC10 to MC22 0.6-0.9Amps  |
| <b>U12/16E1.2-MC</b> | Man.Reset for MC10 to MC22 0.8-1.2Amps  |
| <b>U12/16E1.8-MC</b> | Man.Reset for MC10 to MC22 1.2-1.8Amps  |
| <b>U12/16E2.7-MC</b> | Man.Reset for MC10 to MC22 1.8-2.7Amps  |
| <b>U12/16E4-MC</b>   | Man.Reset for MC10 to MC22 2.7-4Amps    |
| <b>U12/16E6-MC</b>   | Man.Reset for MC10 to MC22 4-6Amps      |
| <b>U12/16E9-MC</b>   | Man.Reset for MC10 to MC22 6-9Amps      |
| <b>U12/16E11-MC</b>  | Man.Reset for MC10 to MC22 8-11Amps     |
| <b>U12/16E14-MC</b>  | Man.Reset for MC10 to MC22 10-14Amps    |
| <b>U12/16E18-MC</b>  | Man.Reset for MC10 to MC22 13-18Amps    |
| <b>U12/16E23-MC</b>  | Man.Reset for MC10 to MC22 17-23Amps    |
| <b>U12/16E30-MC</b>  | Man.Reset for MC10 to MC22 22-30Amps    |
| <b>MCOR-1-0.18</b>   | Overload for MC10 to MC22 0.12-0.18Amps |
| <b>MCOR-1-0.27</b>   | Overload for MC10 to MC22 0.18-0.27Amps |
| <b>MCOR-1-0.4</b>    | Overload for MC10 to MC22 0.27-0.4Amps  |
| <b>MCOR-1-0.6</b>    | Overload for MC10 to MC22 0.4-0.6Amps   |
| <b>MCOR-1-0.9</b>    | Overload for MC10 to MC22 0.6-0.9Amps   |
| <b>MCOR-1-1.2</b>    | Overload for MC10 to MC22 0.8-1.2Amps   |
| <b>MCOR-1-1.8</b>    | Overload for MC10 to MC22 1.2-1.8Amps   |
| <b>MCOR-1-2.7</b>    | Overload for MC10 to MC22 1.8-2.7Amps   |
| <b>MCOR-1-4</b>      | Overload for MC10 to MC22 2.7-4Amps     |
| <b>MCOR-1-6</b>      | Overload for MC10 to MC22 4-6Amps       |
| <b>MCOR-1-9</b>      | Overload for MC10 to MC22 6-9Amps       |
| <b>MCOR-1-11</b>     | Overload for MC10 to MC22 8-11Amps      |
| <b>MCOR-1-14</b>     | Overload for MC10 to MC22 10-14Amps     |
| <b>MCOR-1-18</b>     | Overload for MC10 to MC22 13-18Amps     |
| <b>MCOR-1-24</b>     | Overload for MC10 to MC22 17-24Amps     |
| <b>MCOR-1-32</b>     | Overload for MC10 to MC22 23-32Amps     |
| <b>MCOR-2-14</b>     | Overload for MC24 to MC40 10-14Amps     |
| <b>MCOR-2-20</b>     | Overload for MC24 to MC40 14-20Amps     |
| <b>MCOR-2-28</b>     | Overload for MC24 to MC40 20-28Amps     |
| <b>MCOR-2-42</b>     | Overload for MC24 to MC40 28-42Amps     |
| <b>MCOR-3-28</b>     | Overload for MC50 to MC74 20-28Amps     |
| <b>MCOR-3-42</b>     | Overload for MC50 to MC74 28-42Amps     |
| <b>MCOR-3-52</b>     | Overload for MC50 to MC74 40-52Amps     |
| <b>MCOR-3-65</b>     | Overload for MC50 to MC74 52-65Amps     |
| <b>MCOR-3-74</b>     | Overload for MC50 to MC74 60-74Amps     |
| <b>MCOR-4-120</b>    | Overload for MC90 to MC115 80-120Amps   |

## Modular Heating & Lighting Contactors

Suitable for control of lamps, heating, air-conditioning & motor control



### 20A AC1 AC Coil Single Module



| Part Number                       | Description                         |
|-----------------------------------|-------------------------------------|
| <i>Standard Modular Contactor</i> |                                     |
| HC20-02230                        | 2 Pole NC 230V                      |
| HC20-0224                         | 2 Pole NC 24V                       |
| HC20-20230                        | 2 Pole NO 230V                      |
| HC20-2024                         | 2 Pole NO 24V                       |
| HC20-11230                        | 1 Pole NO + 1 Pole NC 230V          |
| <i>Hum-Free Modular Contactor</i> |                                     |
| HC20-02230VS                      | Hum-Free 2 Pole NC 230V             |
| HC20-0224VS                       | Hum-Free 2 Pole NC 24V              |
| HC20-20230VS                      | Hum-Free 2 Pole NO 230V             |
| HC20-2024VS                       | Hum-Free 2 Pole NO 24V              |
| HC20-10230VS                      | Hum-Free 1 Pole NO 230V             |
| HC20-11230VS                      | Hum-Free 1 Pole NO + 1 Pole NC 230V |
| HC20-1024VS                       | Hum-Free 1 Pole NO 24V              |
| HC20-1124VS                       | Hum-Free 1 Pole NO + 1 Pole NC 24V  |

**NEW**

### 25A AC1 AC Coil Double Module



| Part Number                       | Description                         |
|-----------------------------------|-------------------------------------|
| <i>Standard Modular Contactor</i> |                                     |
| HC25-04230                        | 4 Pole NC 230V                      |
| HC25-0424                         | 4 Pole NC 24V                       |
| HC25-40230                        | 4 Pole NO 230V                      |
| HC25-4024                         | 4 Pole NO 24V                       |
| <i>Hum-Free Modular Contactor</i> |                                     |
| HC25-0224VS                       | Hum-Free 2 Pole NC 24V              |
| HC25-2024VS                       | Hum-Free 2 Pole NO 24V              |
| HC25-02230VS                      | Hum-Free 2 Pole NC 230V             |
| HC25-20230VS                      | Hum-Free 2 Pole NO 230V             |
| HC25-1124VS                       | Hum-Free 1 Pole NO + 1 Pole NC 24V  |
| HC25-11230VS                      | Hum-Free 1 Pole NO + 1 Pole NC 230V |
| HC25-1324VS                       | Hum-Free 1 Pole NO + 3 Pole NC 24V  |
| HC25-13230VS                      | Hum-Free 1 Pole NO + 3 Pole NC 230V |
| HC25-31230VS                      | Hum-Free 3 Pole NO + 1 Pole NC 230V |
| HC25-3124VS                       | Hum-Free 3 Pole NO + 1 Pole NC 24V  |
| HC25-2224VS                       | Hum-Free 2 Pole NO + 2 Pole NC 24V  |
| HC25-22230VS                      | Hum-Free 2 Pole NO + 2 Pole NC 230V |
| HC25-0424VS                       | Hum-Free 4 Pole NC 24V              |
| HC25-4024VS                       | Hum-Free 4 Pole NO 24V              |
| HC25-40230VS                      | Hum-Free 4 Pole NO 230V             |

**NEW**

**NOTE:** Other variations of NO & NC Poles available. Please contact IMO.

### 40A AC1 AC Coil Triple Module



| Part Number | Description                |
|-------------|----------------------------|
| HC40-04230  | 4 Pole NC 230V             |
| HC40-40230  | 4 Pole NO 230V             |
| HC40-22230  | 2 Pole NO + 2 Pole NC 230V |
| HC40-20230  | 2 Pole NO 230V             |

**NOTE:** Other variations of NO & NC Poles available. Please contact IMO.

### 63A AC1 AC Coil Triple Module



| Part Number | Description    |
|-------------|----------------|
| HC63-40230  | 4 Pole NO 230V |
| HC63-20230  | 2 Pole NO 230V |

**NOTE:** Other variations of NO & NC Poles available. Please contact IMO.

IMO manufacture a range of options suitable for use with the Modular Heating & Lighting series including Auxiliary Contact Blocks, Spacers, RC Unit and Sealing Covers



## IMO EV Charging Components Range



No matter whether you are an EV Installer looking for a simple one-stop solution for a domestic installation, or an EV Charging Manufacturer looking to source components to make your offering more competitive, IMO has the EV Charging components for you.

For more information about our EV Charging offering, please call +44 (0)1707 414 444 or email [sales@imopc.com](mailto:sales@imopc.com)

### MCBs

Miniature Circuit Breakers protect from over-current and short circuit situations to safeguard assets from risk of damage from overheating and fire.

In accordance with IEC 60898-1.



### RCBOs

Residual Current Circuit Breakers with Overcurrent Protection combine the functions of an MCB and RCD to provide all-round protection in a compact package.

In accordance with IEC 60898-1.



### RCDs

Residual Current Devices protect personnel from contact with live or damaged wires and components by disconnecting power when an earth leakage current is detected. Standard A and Type B available.



### AC/DC Isolators

IMOs AC & DC Isolators offer robust, lockable power isolation for safe and controlled maintenance and repair activities.

IMO Isolators carry UL safety approvals.



### Contactors

IMO's range of Modular Contactors offer control and switching of charging current flow. High reliability for faultless switching.

Full range of accessories and options available including PCB mounting.



### Power Supplies

IMO's range of UL approved modular power supplies offer high efficiency, universal input and IMO's 3 year warranty.



### Branch Isolators

Of modular design, IMO branch isolators are robust and offer power isolation, mounted on a DIN rail.



For the complete range of  
**EV Charging Products**  
go to [www.imopc.com](http://www.imopc.com)  
and download the catalogue



## Specifically For EV Installers

At IMO we see the future in EV. That's why we have an extensive range of products for EV installers from small domestic installations to multiple charger commercial installations. From the latest technology RCD's specifically designed for use in EV applications to class leading surge protection devices, IMO has the solution for your installation.

It is important to select the right products for your EV charger installation and IMO have products suitable for all models of EV chargers, from all manufacturers. EV market regulations are developing rapidly and if you are unsure of what device to use, please get in touch with one of our technical team today.

### Type B RCDs

Suitable for all EV charger installations, a Type B RCD must be used on EV charger installations where the charger does not have internal DC fault protection. If in doubt, fitting a Type B RCD will cover all charger types regardless of any fault detection built in. All IMO Type B RCD's are supplied in accordance with IEC 61008-1 & IEC 62423.



#### Available Parts

| Part Number           | Description                                       |
|-----------------------|---------------------------------------------------|
| <b>B10R2040-30-B</b>  | Type B RCD, 10kA, 30mA, 1P+N, 40A 230VAC          |
| <b>B10R2040-30-B3</b> | 3 Module Type B RCD, 10kA, 30mA, 1P+N, 40A 230VAC |
| <b>B10R4040-30-B</b>  | Type B RCD, 10kA, 30mA, 3P+N, 40A 415VAC          |
| <b>B10R2063-30-B</b>  | Type B RCD, 10kA, 30mA, 1P+N, 63A 230VAC          |
| <b>B10R4063-30-B</b>  | Type B RCD, 10kA, 30mA, 3P+N, 63A 415VAC          |

### Type A RCBs

Residual Current Circuit Breakers with Overcurrent Protection combine the functions of an MCB and RCD to provide all-round protection in a compact package. Suitable for use with charge points that have internal DC fault detection built in. Supplied in accordance with IEC 60898-1.



#### Available Parts

| Part Number          | Description                                    |
|----------------------|------------------------------------------------|
| <b>B6CR1N40-30-A</b> | Type A RCB, C Curve, 1 Pole+N, 40A, 10kA, 30mA |

### MCBs

Miniature Circuit Breakers protect from over-current and short circuit situations to safeguard charger installations and users. MCB's should always be used alongside an RCD.

Supplied in accordance with IEC 60898-1.



#### Available Parts

| Part Number      | Description                     |
|------------------|---------------------------------|
| <b>BR6B1040A</b> | MCB, B Curve, 1 Pole, 40A, 6kA  |
| <b>BR6B1063A</b> | MCB, B Curve, 1 Pole, 63A, 6kA  |
| <b>B10C1040A</b> | MCB, C Curve, 1 Pole, 40A, 10kA |
| <b>B10C1063A</b> | MCB, C Curve, 1 Pole, 63A, 10kA |

### Surge Protection Devices

Surge protection devices offer additional protection against transient overvoltages that can damage electrical devices. IMO's range of SPD's come with a plug-in replacement cartridge system. Suitable for all installation types.



#### Available Parts

| Part Number      | Description                        |
|------------------|------------------------------------|
| <b>SPDS-401N</b> | Compact 1P+NPE, IMAX 40kA, 275VAC  |
| <b>SPD2-201N</b> | Standard 1P+NPE, IMAX 20kA, 275VAC |
| <b>SPD2-401N</b> | Standard 1P+NPE, IMAX 40kA, 275VAC |
| <b>SPD4-203N</b> | Standard 3P+NPE, IMAX 20kA, 275VAC |
| <b>SPD4-403N</b> | Standard 3P+NPE, IMAX 40kA, 275VAC |

### Enclosures

Complete range of metal enclosures for integration with EV wall charger units. Saving space by keeping the additional RCD external to the consumer unit.



#### Available Parts

| Part Number        | Description                              |
|--------------------|------------------------------------------|
| <b>DBM2-02W</b>    | Mini Enclosure, 2 Way, 146x80x90mm       |
| <b>DBM2-04W</b>    | Std Enclosure, 4 Way, 235x140x115mm      |
| <b>DBM2-04W-NL</b> | Same as DBM2-04W above with Neutral Link |
| <b>DBM2-04WM</b>   | Slim Enclosure, 4 Way, 175x110x71.5mm    |



# IMO STARLINE CATALOGUE

PRICING GROUP

**115**

## Motor Circuit Breakers C4 & Accessories



### C4/32R with Rotary Switch



Manufactured in accordance with  
IEC 60947-1,  
IEC 60947-2 &  
IEC 60947-4-1



| Part Number | Description                        |
|-------------|------------------------------------|
| C4/32R-0,16 | Setting Range 0.1-0.16A IRC* 2.1A  |
| C4/32R-0,25 | Setting Range 0.16-0.25A IRC* 3.3A |
| C4/32R-0,4  | Setting Range 0.25-0.4A IRC* 5.2A  |
| C4/32R-0,63 | Setting Range 0.4-0.63A IRC* 8.2A  |
| C4/32R-1    | Setting Range 0.63-1.0A IRC* 13A   |
| C4/32R-1,6  | Setting Range 1.0-1.6A IRC* 20.8A  |
| C4/32R-2,5  | Setting Range 1.6-2.5A IRC* 32.5A  |
| C4/32R-4    | Setting Range 2.5-4.0A IRC* 52A    |
| C4/32R-6    | Setting Range 4.0-6.0A IRC* 78A    |
| C4/32R-8    | Setting Range 5.0-8.0A IRC* 104A   |
| C4/32R-10   | Setting Range 6.0-10.0A IRC* 130A  |
| C4/32R-13   | Setting Range 9.0-13.0A IRC* 169A  |
| C4/32R-17   | Setting Range 11.0-17.0A IRC* 221A |
| C4/32R-22   | Setting Range 14.0-22.0A IRC* 286A |
| C4/32R-26   | Setting Range 18.0-26.0A IRC* 338A |
| C4/32R-32   | Setting Range 22.0-32.0A IRC* 416A |

\*IRC = Instantaneous Release Current

### C4/63R & 100R with Rotary Switch



Manufactured in accordance with  
IEC 60947-1,  
IEC 60947-2 &  
IEC 60947-4-1



| Part Number | Description                          |
|-------------|--------------------------------------|
| C4/63R-40   | Setting Range 28.0-40.0A IRC* 520A   |
| C4/63R-50   | Setting Range 34.0-50.0A IRC* 650A   |
| C4/63R-63   | Setting Range 45.0-63.0A IRC* 819A   |
| C4/100R-63  | Setting Range 45.0-63.0A IRC* 819A   |
| C4/100R-75  | Setting Range 55.0-75.0A IRC* 975A   |
| C4/100R-90  | Setting Range 70.0-90.0A IRC* 1170A  |
| C4/100R-100 | Setting Range 80.0-100.0A IRC* 1300A |

\*IRC = Instantaneous Release Current

### C4/32T with Toggle Switch



Manufactured in accordance with  
IEC 60947-1,  
IEC 60947-2 &  
IEC 60947-4-1



| Part Number | Description                        |
|-------------|------------------------------------|
| C4/32T-0,16 | Setting Range 0.16-0.25A IRC* 3.3A |
| C4/32T-0,63 | Setting Range 0.4-0.63A IRC* 8.2A  |
| C4/32T-1    | Setting Range 0.63-1.0A IRC* 13A   |
| C4/32T-1,6  | Setting Range 1.0-1.6A IRC* 20.8A  |
| C4/32T-2,5  | Setting Range 1.6-2.5A IRC* 32.5A  |
| C4/32T-4    | Setting Range 2.5-4.0A IRC* 52A    |
| C4/32T-6    | Setting Range 4.0-6.0A IRC* 78A    |
| C4/32T-8    | Setting Range 5.0-8.0A IRC* 104A   |
| C4/32T-10   | Setting Range 6.0-10.0A IRC* 130A  |
| C4/32T-13   | Setting Range 9.0-13.0A IRC* 169A  |
| C4/32T-17   | Setting Range 11.0-17.0A IRC* 221A |
| C4/32T-22   | Setting Range 14.0-22.0A IRC* 286A |
| C4/32T-26   | Setting Range 18.0-26.0A IRC* 338A |
| C4/32T-32   | Setting Range 22.0-32.0A IRC* 416A |

\*IRC = Instantaneous Release Current

### Motor Circuit Breaker Accessories



| Part Number | Description                           |
|-------------|---------------------------------------|
| C432S2      | 3 Phase Busbar Fork Type 63A 2 Way    |
| C432S3      | 3 Phase Busbar Fork Type 63A 3 Way    |
| C432S4      | 3 Phase Busbar Fork Type 63A 4 Way    |
| C432S5      | 3 Phase Busbar Fork Type 63A 5 Way    |
| C432VK3     | Link Module Connect to MC10 Contactor |
| C4HS11      | Aux Contact Black Side Mount          |

PRICING GROUP  
**108**

## Industrial & Slimline Plug-In Power Relays



### HY High Capacity Relays **1PNO**



Solder Lug or Push On  
1 Pole Normally Open



| Part Number | Description                           |
|-------------|---------------------------------------|
| HY1A112DC   | 30 Amps 12VDC Coil Resistance 75Ω     |
| HY1A124AC   | 30 Amps 24VAC Coil Resistance 300Ω    |
| HY1A124DC   | 30 Amps 24VDC Coil Resistance 300Ω    |
| HY1A1230AC  | 30 Amps 230VAC Coil Resistance 20800Ω |

### HY High Capacity Relays **2PNO**



Solder Lug or Push On  
2 Pole Normally Open



| Part Number | Description                           |
|-------------|---------------------------------------|
| HY2A112DC   | 25 Amps 12VDC Coil Resistance 75Ω     |
| HY2A124DC   | 25 Amps 24VDC Coil Resistance 300Ω    |
| HY2A1230AC  | 25 Amps 230VAC Coil Resistance 20800Ω |

### QYE Relays **2PCO**



Plug-In or PCB Mount  
2 Pole Changeover



| Part Number   | Description                            |
|---------------|----------------------------------------|
| QYE21XN120AC  | 10 Amps 120VAC up to 1.8VA LED Plug-In |
| QYE21XN12AC   | 10 Amps 12VDC up to 1.8VA LED Plug-In  |
| QYE21XN12DC   | 10 Amps 12VDC up to 1.1W LED Plug-In   |
| QYE21XN240AC  | 10 Amps 240VAC up to 1.8VA LED Plug-In |
| QYE21XN24AC   | 10 Amps 24VAC up to 1.8VA LED Plug-In  |
| QYE21XN24DC   | 10 Amps 24VDC up to 1.1W LED Plug-In   |
| QYE21XX120AC  | 10 Amps 120VAC up to 1.8VA PCB Mount   |
| QYE21XX12DC   | 10 Amps 12VDC up to 1.1W Plug-In       |
| QYE21XX240AC  | 10 Amps 240VAC up to 1.8VA PCB Mount   |
| QYE21XX24AC   | 10 Amps 24VAC up to 1.8VA PCB Mount    |
| QYE21XX24DC   | 10 Amps 24VDC up to 1.1W Plug-In       |
| QYE21XXF240AC | 10 Amps 240VAC up to 1.8VA Plug-In     |
| QYE21XXF24DC  | 10 Amps 24VDC up to 1.1W Plug-In       |
| QYE22XX12DC   | 10 Amps 12VDC up to 1.1W PCB Mount     |
| QYE22XX24DC   | 10 Amps 24VDC up to 1.1W PCB Mount     |

### HYE Plug-In Relays **2/3/4PCO**



Plug-In  
2, 3 & 4 Pole Changeover



| Part Number                              | Description                                     |
|------------------------------------------|-------------------------------------------------|
| <b>2 Pole Changeover Versions (2PCO)</b> |                                                 |
| HYE21PN120AC                             | 10 Amps 120VAC up to 1.8VA LED & Man.Test/Latch |
| HYE21PN12DC                              | 10 Amps 12VDC up to 1.1W LED & Man.Test/Latch   |
| HYE21PN240AC                             | 10 Amps 240VAC up to 1.8VA LED & Man.Test/Latch |
| HYE21PN24AC                              | 10 Amps 24VAC up to 1.8VA LED & Man.Test/Latch  |
| HYE21PN24DC                              | 10 Amps 24VDC up to 1.1W LED & Man.Test/Latch   |
| HYE21XX12DC                              | 10 Amps 12VDC up to 1.1W                        |
| HYE21XX240AC                             | 10 Amps 240VAC up to 1.8VA                      |
| <b>3 Pole Changeover Versions (3PCO)</b> |                                                 |
| HYE31PN230AC                             | 10 Amps 230VAC up to 1.8VA LED & Man.Test/Latch |
| HYE31PN24AC                              | 10 Amps 24VAC up to 1.8VA LED & Man.Test/Latch  |
| HYE31PN24DC                              | 10 Amps 24VDC up to 1.1W LED & Man.Test/Latch   |
| <b>4 Pole Changeover Versions (4PCO)</b> |                                                 |
| HYE41PN110DC                             | 5 Amps 110VDC up to 1.1W LED & Man.Test/Latch   |
| HYE41PN120AC                             | 5 Amps 120VAC up to 1.8VA LED & Man.Test/Latch  |
| HYE41PN12AC                              | 5 Amps 12VAC up to 1.8VA LED & Man.Test/Latch   |
| HYE41PN12DC                              | 5 Amps 12VDC up to 1.1W LED & Man.Test/Latch    |
| HYE41PN240AC                             | 5 Amps 240VAC up to 1.8VA LED & Man.Test/Latch  |
| HYE41PN24AC                              | 5 Amps 24VAC up to 1.8VA LED & Man.Test/Latch   |
| HYE41PN24DC                              | 5 Amps 24VDC up to 1.1W LED & Man.Test/Latch    |
| HYE41PN48AC                              | 5 Amps 48VAC up to 1.8VA LED & Man.Test/Latch   |
| HYE41PN48DC                              | 5 Amps 48VDC up to 1.1W LED & Man.Test/Latch    |
| HYE41PX12DC                              | 5 Amps 12VDC up to 1.1W Manual Test/Latch       |
| HYE41PX240AC                             | 5 Amps 240VAC up to 1.8VA Manual Test/Latch     |
| HYE41PX24DC                              | 5 Amps 240VDC up to 1.1W Manual Test/Latch      |
| HYE41XX120AC                             | 5 Amps 120VAC up to 1.8VA                       |
| HYE41XX12DC                              | 5 Amps 12VDC up to 1.1W                         |
| HYE41XX240AC                             | 5 Amps 240VAC up to 1.8VA                       |
| HYE41XX24DC                              | 5 Amps 24VDC up to 1.1W                         |
| HYE41XX48AC                              | 5 Amps 48VAC up to 1.8VA                        |
| HYE42XX120AC                             | 5 Amps 120VAC up to 1.8VA PCB Mount             |
| HYE42XX240AC                             | 5 Amps 240VAC up to 1.8VA PCB Mount             |
| HYE42XX24AC                              | 5 Amps 24VAC up to 1.8VA PCB Mount              |
| HYE42XX24DC                              | 5 Amps 24VDC up to 1.1W PCB Mount               |

### Miniature High Power Relays



PCB Mount



| Part Number         | Description                              |
|---------------------|------------------------------------------|
| SRRHN-1CN-SL-115VAC | SPCO 12 Amps 115VAC Coil Resistance 100Ω |
| SRRHN-2CT-SL-48VDC  | DPCO 8 Amps 48VDC Coil Resistance 100Ω   |



# IMO STARLINE CATALOGUE

## RSE Relays **2PCO 8 Pins / 3PCO 11 Pins**



Plug-In Mount  
2 Pole Changeover / 3 Pole Changeover



| Part Number                                        | Description                              |
|----------------------------------------------------|------------------------------------------|
| <b>2 Pole Changeover Versions (2PCO) - 8 Pins</b>  |                                          |
| RSE2PN110AC                                        | 10 Amps 110VAC 1.5W LED & Man.Test/Latch |
| RSE2PN110DC                                        | 10 Amps 110VDC 2.7VA LED & Flag          |
| RSE2PN12AC                                         | 10 Amps 12VAC 1.5W LED & Flag            |
| RSE2PN12DC                                         | 10 Amps 12VDC 2.7VA LED & Flag           |
| RSE2PN230AC                                        | 10 Amps 230VAC 1.5W LED & Man.Test/Latch |
| RSE2PN24AC                                         | 10 Amps 24VAC 1.5W LED & Flag            |
| RSE2PN24DC                                         | 10 Amps 24VDC 2.7VA LED & Man.Test/Latch |
| RSE2PN48DC                                         | 10 Amps 48VDC 2.7VA LED & Flag           |
| <b>3 Pole Changeover Versions (3PCO) - 11 Pins</b> |                                          |
| RSE3PN110AC                                        | 5 Amps 110VAC 1.5W LED & Flag            |
| RSE3PN110DC                                        | 5 Amps 110VDC 2.7VA LED & Flag           |
| RSE3PN12AC                                         | 5 Amps 12VAC 1.5W LED & Flag             |
| RSE3PN12DC                                         | 10 Amps 12VDC 2.7VA LED & Man.Test/Latch |
| RSE3PN230AC                                        | 10 Amps 230VAC 1.5W LED & Man.Test/Latch |
| RSE3PN24AC                                         | 5 Amps 24VAC 1.5W LED & Flag             |
| RSE3PN24DC                                         | 10 Amps 24VDC 2.7VA LED & Man.Test/Latch |
| RSE3PN48DC                                         | 5 Amps 48VDC 2.7VA LED & Flag            |

## ETS Slimline Plug-In Power Relays



6A Sealed Power Relays  
Compatible with SRSI Sockets



| Part Number      | Description            |
|------------------|------------------------|
| ETS-1AN-SL-12VDC | 6 Amps SPNO 12VDC AgNi |
| ETS-1AN-SL-24VDC | 6 Amps SPNO 24VDC AgNi |
| ETS-1AN-SL-60VDC | 6 Amps SPNO 60VDC AgNi |
| ETS-1CN-SL-5VDC  | 6 Amps SPCO 5VDC AgNi  |
| ETS-1CN-SL-6VDC  | 6 Amps SPCO 6VDC AgNi  |
| ETS-1CN-SL-9VDC  | 6 Amps SPCO 9VDC AgNi  |
| ETS-1CN-SL-12VDC | 6 Amps SPCO 12VDC AgNi |
| ETS-1CN-SL-24VDC | 6 Amps SPCO 24VDC AgNi |
| ETS-1CN-SL-48VDC | 6 Amps SPCO 48VDC AgNi |
| ETS-1CN-SL-60VDC | 6 Amps SPCO 60VDC AgNi |

## HME Compact Interface Relays



NEW



| Part Number        | Description                                                    |
|--------------------|----------------------------------------------------------------|
| <b>AC Versions</b> |                                                                |
| HME11PN24AC        | 1 Pole Changeover (CO) 12A 24VAC Test Latch LED                |
| HME11PN110AC       | 1 Pole Changeover (CO) 12A 110VAC Test Latch LED               |
| HME11PN230AC       | 1 Pole Changeover (CO) 12A 230VAC Test Latch LED               |
| HME21PN24AC        | 2 Pole Changeover (CO) 8A 24VAC Test Latch LED                 |
| HME21PN230AC       | 2 Pole Changeover (CO) 8A 230VAC Test Latch LED                |
| <b>DC Versions</b> |                                                                |
| HME11PN12DC        | 1 Pole Changeover (CO) 12A 12VDC Test Latch LED                |
| HME11PN24DC        | 1 Pole Changeover (CO) 12A 24VDC Test Latch LED                |
| HME21PN12DC        | 2 Pole Changeover (CO) 8A 12VDC Test Latch LED                 |
| HME21PNG12DC       | 2 Pole Changeover (CO) 8A 12VDC Test Latch LED with Gold Flash |
| HME21PN24DC        | 2 Pole Changeover (CO) 8A 24VDC Test Latch LED                 |
| HME21PNG24DC       | 2 Pole Changeover (CO) 8A 24VDC Test Latch LED with Gold Flash |

PRICING GROUP  
**105**

## Relay Sockets for Power Relays & Plug-In Modules

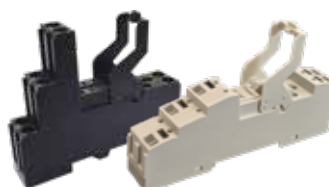


### For ETS Slimline Plug-In Power Relays



| Part Number   | Description                                          |
|---------------|------------------------------------------------------|
| SRSI-24AC/DC  | For Use With ETS Relays 12-24VDC                     |
| SRSI-24DC     | For Use With ETS Relay Coil 6-24VDC                  |
| SRSI-110AC/DC | For Use With ETS Relays 60VDC (Input 110-125V AC/DC) |
| SRSI-230AC/DC | For Use With ETS Relays 60VDC (Input 220-240V AC/DC) |

### For HME Series Compact Interface Relays



| Part Number | Description                          |
|-------------|--------------------------------------|
| SRHME-S1    | Relay Base For 1P HME Relay          |
| SRHME-S     | Relay Base For 2P HME Relay          |
| PFHME-S1    | Push Fit Relay Base For 1P HME Relay |
| PFHME-S     | Push Fit Relay Base for 2P HME Relay |

## For HYE Series Power Relays



| Part Number | Description                                                     |
|-------------|-----------------------------------------------------------------|
| SRNE2-D     | For HYE21 Relays T35 DIN/Panel Mount 8 Pins                     |
| SRNE2-S     | For HYE21 Relays T35 DIN/Panel Mount 8 Pins                     |
| SRPE2-0     | For HYE31 Relays PCB Terminal PCB Mount                         |
| SRNE3-C     | For HYE31 Relays T35 DIN/Panel Mount 11 Pins                    |
| SRNE3-D     | For HYE31 Relays T35 DIN/Panel Mount 11 Pins (with Module Slot) |
| SRNE4-C     | For HYE41 Relays T35 DIN/Panel Mount 14 Pins                    |
| SRNE4-D     | For HYE41 Relays T35 DIN/Panel Mount 14 Pins                    |
| SRNE4-S     | For HYE41 Relays T35 DIN/Panel Mount 14 Pins                    |
| SRPE4-0     | For HYE41 Relays Solder Terminal, Back-Mount                    |

## For RSE Series Power Relays



| Part Number           | Description                                           |
|-----------------------|-------------------------------------------------------|
| <b>8 Pin Version</b>  |                                                       |
| SRPE8*                | For RSE2 Relays T35 DIN/Panel Mount                   |
| SRRE8                 | For RSE2 Relays T35 DIN/Panel Mount                   |
| <b>11 Pin Version</b> |                                                       |
| SRPE11                | For RSE3 Relays T35 DIN/Panel Mount (No Modules)      |
| SRRE11                | For RSE3 Relays T35 DIN/Panel Mount                   |
| SRRE11-M**            | For RSE3 Relays T35 DIN/Panel Mount (for RPDM Module) |

## For Miniature Power Relays



| Part Number          | Description                             |
|----------------------|-----------------------------------------|
| <b>5 Pin Version</b> |                                         |
| SRSE1-0              | For SRRHN Relay PCB Mount               |
| SRNE3-S              | For SRRHN Relay & Module T35 DIN Single |
| SRNE3-T              | For SRRHN Relay & Module T35 DIN Twin   |
| <b>8 Pin Version</b> |                                         |
| SRSE2-0              | For SRRHN Relay PCB Mount               |
| SRNE5-S              | For SRRHN Relay & Module T35 DIN Single |
| SRNE5-T              | For SRRHN Relay & Module T35 DIN Twin   |

## For QYE Series Power Relays



| Part Number | Description                                              |
|-------------|----------------------------------------------------------|
| SRHE2-C     | For QYE21 Relays T35 DIN/Panel Mount 8 Pins (No Modules) |
| SRPE2-0     | For QYE21 PCB Terminal PCB Mount (No Modules)            |

## Relay Socket Plug-In Modules



| Part Number                                                    | Description                      |
|----------------------------------------------------------------|----------------------------------|
| <i>For SRNE2-D/S, SRNE3-D, SRNE4-D/S, SRNE3-S/T, SRNE5-S/T</i> |                                  |
| PDLME1                                                         | 6-24 AC/DC Diode LED Resistor    |
| PDLME3                                                         | 110-230 AC/DC Diode LED Resistor |
| PDME1                                                          | 6-230 VDC Diode -A1 to +A4       |
| PDME2                                                          | 6-230 VDC Diode +A1 to -A2       |
| PLME1                                                          | 6-24 VDC Diode LED Resistor      |
| PLME1-R                                                        | 6-24 VDC Diode LED Resistor      |
| PVME2                                                          | 115 VAC Varistor                 |
| <i>For SRR8-M, SRR11-M</i>                                     |                                  |
| RPDME1                                                         | 6-220 VDC Diode -A1 to +A2       |

## Slimline Power Relay Accessories



| Part Number     | Description                          |
|-----------------|--------------------------------------|
| SRSI-CC/20BLACK | 20-Way Cross Connector for SRSC/SRSI |
| SRSI-CC/20BLUE  | 20-Way Cross Connector for SRSC/SRSI |
| SRSI-CC/20RED   | 20-Way Cross Connector for SRSC/SRSI |



# IMO STARLINE CATALOGUE

PRICING GROUP

**115**

## Cam Switches & Accessories

Off-On, Step, Changeover with Off, Changeover without Off Switches



### OFF-ON Cam Switch 20A



Manufactured in accordance with IEC 60947-3  
IP65 Rated  
*Escutcheon Frame & Handle Not Included but available separately as accessories  
Image for illustrative purposes only*



| Part Number | Description                         |
|-------------|-------------------------------------|
| CS20A-A1    | 1 Pole 2 Position with Legend Plate |
| CS20A-A2    | 2 Pole 2 Position with Legend Plate |
| CS20A-A4    | 4 Pole 2 Position with Legend Plate |
| CS20A-A8    | 8 Pole 2 Position with Legend Plate |

### Changeover Switch with OFF 20A



Manufactured in accordance with IEC 60947-3  
IP65 Rated  
*Escutcheon Frame & Handle Not Included but available separately as accessories  
Image for illustrative purposes only*



| Part Number | Description                         |
|-------------|-------------------------------------|
| CS20A-U1    | 1 Pole 3 Position with Legend Plate |
| CS20A-U2    | 2 Pole 3 Position with Legend Plate |
| CS20A-U3    | 3 Pole 3 Position with Legend Plate |
| CS20A-U4    | 4 Pole 3 Position with Legend Plate |
| CS20A-U6    | 6 Pole 3 Position with Legend Plate |

### Step Cam Switch 20A



Manufactured in accordance with IEC 60947-3  
IP65 Rated  
*Escutcheon Frame & Handle Not Included but available separately as accessories  
Image for illustrative purposes only*



| Part Number | Description                         |
|-------------|-------------------------------------|
| CS20A-ST31  | 1 Pole 3 Position with Legend Plate |
| CS20A-ST33  | 3 Pole 3 Position with Legend Plate |
| CS20A-ST42  | 2 Pole 4 Position with Legend Plate |
| CS20A-ST45  | 5 Pole 4 Position with Legend Plate |
| CS20A-ST51  | 1 Pole 5 Position with Legend Plate |
| CS20A-ST52  | 2 Pole 5 Position with Legend Plate |
| CS20A-ST61  | 1 Pole 6 Position with Legend Plate |

### Changeover Switch without OFF 20A



Manufactured in accordance with IEC 60947-3  
IP65 Rated  
*Escutcheon Frame & Handle Not Included but available separately as accessories  
Image for illustrative purposes only*



| Part Number | Description                         |
|-------------|-------------------------------------|
| CS20A-W2    | 2 Pole 2 Position with Legend Plate |
| CS20A-W3    | 3 Pole 2 Position with Legend Plate |
| CS20A-W4    | 4 Pole 2 Position with Legend Plate |
| CS20A-W8    | 8 Pole 2 Position with Legend Plate |

### Cam Switch Accessories



| Part Number | Description                               |
|-------------|-------------------------------------------|
| RBK2        | Cam Switch Handle Round Bezel Key         |
| RB2         | Cam Switch Handle Toggle Round Bezel      |
| SPK2        | Cam Switch Handle Escutcheon Plate Key    |
| SP2         | Cam Switch Handle Toggle Escutcheon Plate |

PRICING GROUP  
**104**

## Unshrouded & Shrouded Foot Switches & Accessories

Including Joining Kits, Carrying Rods & Stabilizing Plates



### UFS Unshrouded Foot Switches



3xPG13.5 Gland Entries  
with all models



| Part Number | Description                                                                 |
|-------------|-----------------------------------------------------------------------------|
| UFSBL0101   | Without Safety Lever NO+NC Snap Action Black Cover GRP                      |
| UFSBL1101   | Without Safety Lever NO+NC Snap Action Black Cover Gold Plated Contacts GRP |
| UFSRE0101   | Without Safety Lever NO+NC Snap Action Red Cover GRP                        |
| UFSRE0321   | With Pedal Actuator Lock NO+NC Slow Action BBM Red Cover GRP                |
| UFSRE0701   | Without Safety Lever 2NC Slow Action Red Cover                              |

### SFS Shrouded Foot Switches

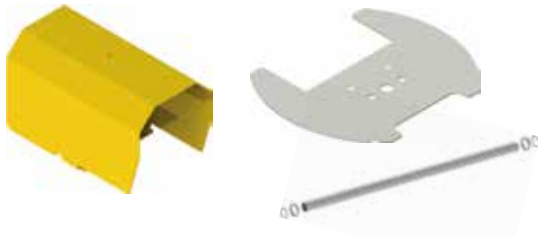


3xPG13.5 Gland Entries  
with all models  
M20 Option



| Part Number  | Description                                                       |
|--------------|-------------------------------------------------------------------|
| SFSYE0101    | Switch without Safety Lever NO+NC Snap Action GRP IP65            |
| SFSYE0110-B  | Switch with Safety Lever NO+NC Snap Action GRP VFKIT31 Hole       |
| SFSYE0111    | Switch with Safety Lever NO+NC Snap Action GRP IP65               |
| SFSYE0111-B  | Switch with Safety Lever NO+NC Snap Action GRP VFKIT31 Hole IP65  |
| SFSYE0121    | Switch with Safety Lever NO+NC Snap Action GRP IP65               |
| SFSYE0311    | Switch without Safety Lever NO+NC Slow Action GRP IP65            |
| SFSYE1411-S1 | Switch with Safety Lever 2NO Snap Action GRP IP65                 |
| SFSYE2041    | Switch with Safety Lever Two Stage 2x(NO+NC) Snap Action GRP IP65 |

### Accessories



| Part Number | Description                                                                |
|-------------|----------------------------------------------------------------------------|
| AC-KIT20    | Kit for Joining 2 Foot Switches                                            |
| AC-KIT22    | 600mm Carrying Rod (use with AC-KIT20)                                     |
| AC-KIT29    | 740mm Aluminium Rod (use with AC-KIT33)                                    |
| AC-KIT30    | Kit for Joining 2 Foot Switches (use with AC-KIT29)                        |
| AC-KIT31    | 660mm Carrying Rod (use with AC-KIT32/33)                                  |
| AC-KIT32    | Emergency Stop Station (use with AC-KIT29/31)                              |
| AC-KIT33    | Emergency Stop Station (use with AC-KIT29)                                 |
| AC-KIT40    | 400mm Double Carrying Rod (use with 3 Foot Switches joined by 2x AC-KIT20) |
| AC-KIT50    | Metal Handle Kit (use with AC-KIT29/31)                                    |
| AC-KIT60    | Stabilizing Plate                                                          |
| AC-KIT61    | Stabilizing Plate for 2x Joined Foot Switches                              |
| AC-KIT71    | Metal Shroud                                                               |

### Contact Blocks



Glass Reinforced Polymer  
Self-Extinguishing Shock Proof  
Thermoplastic Housing to be used with  
UFS & SFS Foot Switches



| Part Number | Description                               |
|-------------|-------------------------------------------|
| AC-C501     | 1NO+1NC Snap Action                       |
| AC-C502G    | 1NO+1NC Snap Action (Gold Plated Contact) |
| AC-C601     | 1NO+1NC Slow Action                       |
| AC-C1001    | 2NO Slow Action                           |
| AC-C1501    | 2NO Slow Action Shifted                   |



# IMO STARLINE CATALOGUE

PRICING GROUP

**115**

## Motor Starters

Plastic enclosed DOL Starters & Star Delta Starters



### Enclosed DOL Starter IP65



Plastic enclosure



| Part Number      | Description                       |
|------------------|-----------------------------------|
| <b>DOL10230*</b> | DOL 4kW 10A Start & Stop 230VAC   |
| <b>DOL10400*</b> | DOL 4kW 10A Start & Stop 400VAC   |
| <b>DOL10110*</b> | DOL 4kW 10A Start & Stop 110VAC   |
| <b>DOL18230*</b> | DOL 7.5kW 18A Start & Stop 230VAC |
| <b>DOL18400*</b> | DOL 7.5kW 18A Start & Stop 400VAC |
| <b>DOL18110*</b> | DOL 7.5kW 18A Start & Stop 110VAC |
| <b>DOL22110*</b> | DOL 11kW 22A Start & Stop 110VAC  |
| <b>DOL22230*</b> | DOL 11kW 22A Start & Stop 230VAC  |
| <b>DOL22400*</b> | DOL 11kW 22A Start & Stop 400VAC  |

\* Overload = U12/16E...-MC

### Star Delta Starter



| Part Number          | Description                        |
|----------------------|------------------------------------|
| <b>MC-YN15M24AC</b>  | Star Delta Starter 15kW 30A 24VAC  |
| <b>MC-YN15M24DC</b>  | Star Delta Starter 15kW 30A 24VDC  |
| <b>MC-YN15M110AC</b> | Star Delta Starter 15kW 30A 110VAC |
| <b>MC-YN15M230AC</b> | Star Delta Starter 15kW 30A 230AC  |
| <b>MC-YN15M400AC</b> | Star Delta Starter 15kW 30A 400VAC |

**NOTE:** IMO Star Delta Starters are also available in 7.5kW (16A), 22kW (45A), 30kW (60A), 45kW (85A), 55kW (109A), 75kW (150A) and 110kW (205A).

PRICING GROUP

**101**

## Timers & Voltage Monitoring Relays



### DIN Rail Mountable Timers



| Part Number  | Description                             |
|--------------|-----------------------------------------|
| <b>TDM10</b> | 10 Function 24-230V AC/DC SPCO          |
| <b>TDAS</b>  | Asymmetrical 24-230V AC/DC SPCO         |
| <b>TDSD1</b> | Star Delta 20-500ms 230-400VAC DPCO     |
| <b>TDFR</b>  | Forward Off Reverse 2P CO 10A, 0.1s-10d |

### Panel Mount Timers



| Part Number            | Description                          |
|------------------------|--------------------------------------|
| <b>TA11-A100-230AC</b> | 0.05s-60hr DPCO 5A 11 Pin Octal      |
| <b>TA11-A24AC/DC</b>   | 0.05s-60hr DPCO 5A 11 Pin Octal      |
| <b>TA8-A100-230AC</b>  | 0.05s-60hr DPCO 5A 8 Pin Octal       |
| <b>TA8-A24AC/DC</b>    | 0.05s-60hr DPCO 5A 8 Pin Octal       |
| <b>TA8-DA100-230AC</b> | 0.1m-12m DPCO 5A 8 Pin Octal         |
| <b>TA8-SA100-230AC</b> | 0.05s-60hr SPCO 5A 8 Pin Octal       |
| <b>TA8-TA100-230AC</b> | 0.05s-60hr DPCO 5A 8 Pin Octal       |
| <b>TA8-DA24AC/DC</b>   | 0.06s-12m DPCO 5A 8 Pin Octal        |
| <b>TA8-SA24AC/DC</b>   | 0.05s-60hr SPCO Timed 5A 8 Pin Octal |

### Voltage Monitoring Relay



Microprocessor Based  
Voltage Monitoring in 3-Phase Mains  
Asymmetric, Phase Sequence & Phase Loss  
Protection



| Part Number     | Description   |
|-----------------|---------------|
| <b>PF-PR400</b> | 5A SPST Relay |

PRICING GROUP

**107**

## Level Detection

*DIN Rail Mountable Level Monitoring of Conductive Liquids*



### Fluid Level Monitoring Relay



On Delay & Off Delay  
Multifunction  
Width 36mm

**NEW**



| Part Number | Description                        |
|-------------|------------------------------------|
| WLC2-230AC  | 250VAC 10A 1250VA 115-230VAC Input |

### Probe for Level Monitoring

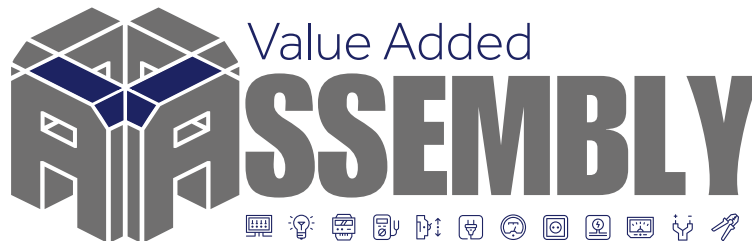


Fully Insulated  
303 Quality Chrome Electrode with  
Operating Temperatures Up To 80°C

**NEW**

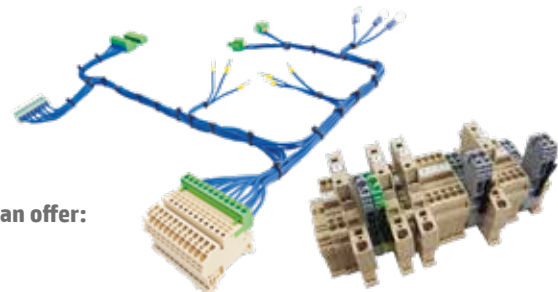


| Part Number | Description                        |
|-------------|------------------------------------|
| WLC2-PROBE  | Polypropylene Insulated Probe Ø6mm |



**IMO Value Added Assembly Division will help you to:**

- Reduce Your Stock Level
- Reduce Your Costs
- Ensure Quality
- Increase Productivity



**Are you looking for a supplier for your assemblies who can offer:**

- Access to a wide range of products
- An extended range of DIN rail terminals and accessories
- Relay and sockets, MCBs, power supplies, timers, contactors, signal interface units, and much more.
- Standard or custom marker solutions for DIN terminals
- Flexible packing facilities for individual or volume packing

IMO, through its Assembly Division can provide Value Added Assembly solutions built to customer specification whether you are looking for prototypes, one-off projects, or small to large volume requirements with regular deliveries. Whatever your requirement, IMO can offer you a solution.

As a world recognised manufacturer of electrical components, IMO have a wide range of connection, power, control and interface products readily available from stock and are always looking forward to the next challenge.

Your assembly can be as simple as two DIN terminals on a small piece of rail, to multiple products on DIN rail lengths up to 2m; and if required IMO have a range of standard enclosures which are available to accommodate your assembly, or we can design a custom solution with you.

Challenge us and tell us about your assembly needs and see what solution we can propose. To save time and money, call us today on **01707 414444** or email **sales@imopc.com** with your drawings, photos and specifications.



**sales@imopc.com**



**01707 414 444**

# IMO STARLINE CATALOGUE

PRICING GROUP

**115**

## Push Buttons, Rotary Knobs, Pilot Lights & Accessories Including Pushbutton Enclosures, Lens Caps & Contact Blocks



### Stop Push Buttons IP67



| Part Number | Description                                                   |
|-------------|---------------------------------------------------------------|
| BS3P3RED-O  | 28mm Red with White "O" Twist Release Black Bezel             |
| BC3P34RED-O | 40mm Red with White "O" Twist Release Chrome Bezel            |
| BS3P34RED-O | 40mm Red with White "O" Twist Release Black Bezel             |
| BS3P45RED   | 38mm Red Emergency Stop according to EN ISO 13850             |
| BS3P4453    | 40mm Red Key Release Emergency Stop according to EN ISO 13850 |

### Push Buttons IP67



| Part Number   | Description                                       |
|---------------|---------------------------------------------------|
| BS3P14RED-O   | Mushroom Head Push Button 40mm Red with White "O" |
| BS3DBLA-ARROW | Black with White Arrow Spring Return Black Bezel  |
| B3DBLACK      | Black Spring Return Aluminium Bezel               |
| BS3DBLACK     | Black Spring Return Black Bezel                   |
| B3DBLUE       | Blue Spring Return Aluminium Bezel                |
| BS3DBLUE      | Blue Spring Return Black Bezel                    |
| BS3DGRE-I     | Green Spring Return White/Black Bezel             |
| BS3DGREEN     | Green Spring Return Black Bezel                   |
| BS3DRED       | Red Spring Return Black Bezel                     |
| B3DRED        | Red Spring Return Aluminium Bezel                 |
| B3P1RED       | 28mm Red Spring Return Aluminium Bezel            |
| BS3DYELLOW    | Yellow Spring Return Black Bezel                  |

### Illuminated Buttons IP65/67



| Part Number   | Description                                     |
|---------------|-------------------------------------------------|
| B3DLRED       | Red Spring Return Aluminium Bezel IP67          |
| B3DLGREEN     | Green Spring Return Aluminium Bezel IP67        |
| B3DLYELLOW    | Yellow Spring Return Aluminium Bezel IP67       |
| B3DLBLUE      | Blue Spring Return Aluminium Bezel IP67         |
| BS3KL2        | 2 Position Rotary Knob Black Bezel IP67         |
| BS3DT-GRE/RED | Double Actuation Green/Red Black Bezel IP65     |
| BC3DT-GRE/RED | Double Actuation Green/Red Chrome Bezel IP65    |
| B3DT-GRE/RED  | Double Actuation Green/Red Aluminium Bezel IP65 |

### Rotary Knobs IP65



| Part Number | Description                                                                  |
|-------------|------------------------------------------------------------------------------|
| B3KN2       | 2 Position Maintained 60° Aluminium Bezel                                    |
| BC3KN2      | 2 Position Maintained 60° Chrome Bezel                                       |
| BS3KN2      | 2 Position Maintained 60° Black Bezel                                        |
| B3KN3       | 3 Position Maintained 60° Aluminium Bezel                                    |
| BS3KN3      | 3 Position Maintained 60° Black Bezel                                        |
| BS3KN9      | 2 Position Maintained 120° Black Bezel                                       |
| BS3KN10     | 2 Position Maintained 90° Black Bezel                                        |
| B3SAR0      | Key Operated 2 Position Maintained 60° Aluminium Bezel Removable In OFF      |
| B3SAR1      | Key Operated 2 Position Maintained 60° Aluminium Bezel Removable In ON       |
| B3SAR01     | Key Operated 2 Position Maintained 60° Aluminium Bezel Removable In OFF & ON |
| B3SAT0      | Key Operated 2 Position Spring Return 60° Aluminium Bezel Removable In OFF   |
| B3SARR0     | Key Operated 3 Position Maintained 60° Aluminium Bezel Removable In OFF      |
| B3SARR102   | Key Operated 3 Position Maintained 60° Aluminium Bezel Removable In OFF & ON |
| B3SATTO     | Key Operated 3 Position Spring Return 60° Aluminium Bezel Removable In OFF   |

**NOTE:** All Rotary Knobs are available with either Aluminium, Black or Chrome bezels. For different bezel finishes, the part number is affected as follows:-

B3KN2 - Aluminium Bezel

BS3KN2 - Black Bezel

BC3KN2 - Chrome Bezel

### Contact Blocks



| Part Number | Description                            |
|-------------|----------------------------------------|
| B3T01       | 1NC Clips onto B3S & B3M               |
| B3T10       | 1NO Clips onto B3S & B3M               |
| B4TU11      | 1NO & 1NC for BG Enclosures            |
| B4TU10F     | 1NO with Lamp Holder for BG Enclosures |
| B4TU10      | 1NO for BG Enclosures                  |
| B4TU02      | 2NC for BG Enclosures                  |
| B4TU20      | 2NO for BG Enclosures                  |
| B3S*        | Panel Mounting Collar                  |

\* Can also be used with LED Pilot Lights (overleaf).

## LED Pilot Lights IP65



| Part Number    | Description      |
|----------------|------------------|
| LMB-110-GREEN  | Green 110VAC     |
| LMB-110-RED    | Red 110VAC       |
| LMB-110-WHITE  | White 110VAC     |
| LMB-110-YELLOW | Yellow 110VAC    |
| LMB-230-GREEN  | Green 230VAC     |
| LMB-230-RED    | Red 230VAC       |
| LMB-230-WHITE  | White 230VAC     |
| LMB-230-YELLOW | Yellow 230VAC    |
| LMB-24-BLUE    | Blue 24V AC/DC   |
| LMB-24-GREEN   | Green 24V AC/DC  |
| LMB-24-RED     | Red 24V AC/DC    |
| LMB-24-WHITE   | White 24V AC/DC  |
| LMB-24-YELLOW  | Yellow 24V AC/DC |

## Transparent Lens Caps IP67



| Part Number | Description                 |
|-------------|-----------------------------|
| B3RFGREEN   | Green Lens Cap Fresnel Lens |
| B3RFRED     | Red Lens Cap Fresnel Lens   |
| B3RGREEN    | Green Lens Cap              |
| B3RRED      | Red Lens Cap                |

## LED & Filament Bulbs



For use with B3F Lamp Holders  
(B39S Lamps)



| Part Number   | Description            |
|---------------|------------------------|
| B3-L110-GREEN | Green LED Lamp 110V AC |
| B3-L12-WHITE  | White LED Lamp 12V AC  |
| B3-L230-BLUE  | Blue LED Lamp 230V AC  |
| B3-L24A-RED   | Red LED Lamp 24V AC/DC |
| LAMP110V      | Filament Lamp 110V AC  |
| LAMP12V       | Filament Lamp 12V AC   |

**NOTE:** LED lamps are available in a selection of different colours including Yellow, Red, Blue, Green, Amber and White. See [www.imopc.com](http://www.imopc.com) for available colours.

## Emergency Stop Stations



| Part Number     | Description                                                                                 |
|-----------------|---------------------------------------------------------------------------------------------|
| BG10P45-11      | Emergency Stop Station 40mm Red with Yellow Face 1NO and 1NC Contacts IP67                  |
| BG10P34-01      | Emergency Stop Station 40mm Twist To Release 1NC Contacts IP67                              |
| BG10P34-02      | Emergency Stop Station 40mm Twist To Release 2NC Contacts IP67                              |
| BG10P34P-02     | Emergency Stop Station 70mm Red Twist Release Yellow Enclosure Face 2NC Contacts IP67       |
| BG10P34P-11     | Emergency Stop Station 70mm Red Twist Release Yellow Enclosure Face 1NO & 1NC Contacts IP67 |
| BG10P44S3-11-SK | Fire Brigade Key Operated 40mm With Yellow Shroud 1NO & 1NC                                 |

## Push Button Enclosures



| Part Number | Description                             |
|-------------|-----------------------------------------|
| BG1         | Grey Enclosure 1 Hole                   |
| BG1YEL      | Grey with Yellow Front Enclosure 1 Hole |
| BG2         | Grey Enclosure 2 Holes                  |
| BG3         | Grey Enclosure 3 Holes                  |

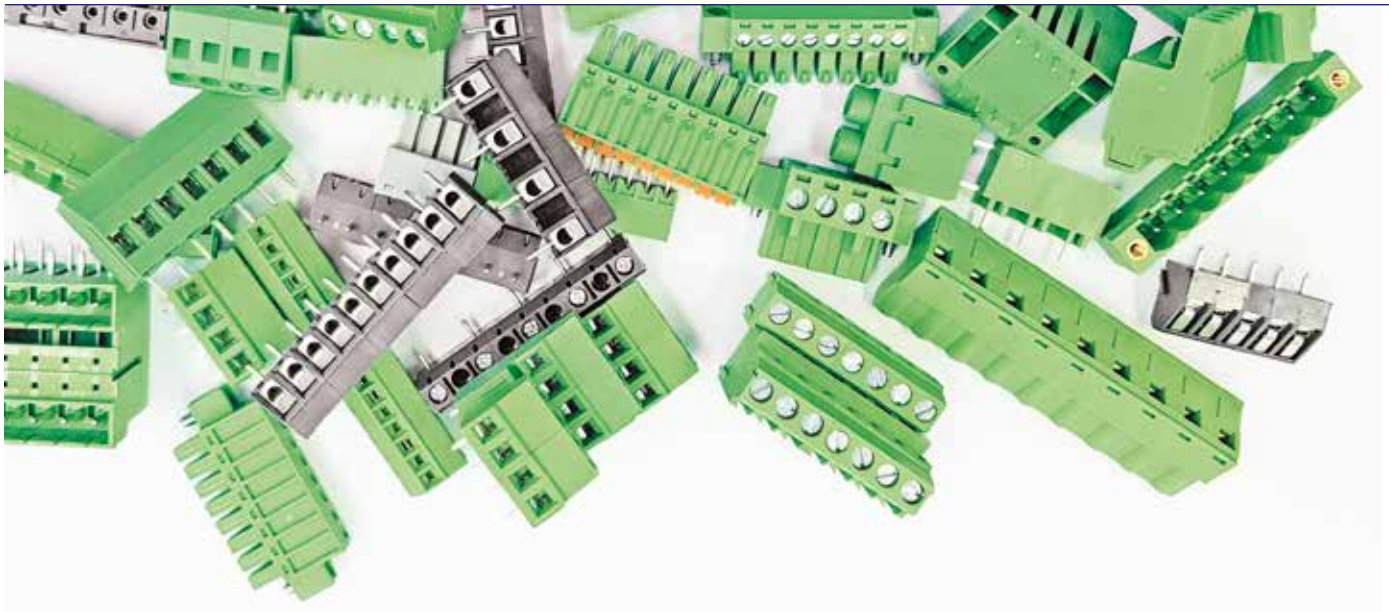
## Push Button Accessories



| Part Number  | Description                           |
|--------------|---------------------------------------|
| B3-SK-YELLOW | Shroud 40mm Max. Button Diameter      |
| J7049        | Pushbutton Collar Tightening Tool     |
| B3-7603-2    | E Stop Legend Plate                   |
| B4-R455      | Spare Key                             |
| B3S          | Push Button Collar for B3T/F Products |
| B3M          | Push Button Panel Mount Collar        |
| B3F          | Lamp Holder for Push Buttons          |



# IMO STARLINE CATALOGUE



## PCB Terminal Block Range

*Standard Type, Header Type & Plug Type Terminal Blocks*



### Standard Type Terminal Block Range Features:

- Standard type Terminal Blocks offer IMO's most economical terminal block solution
- Wire Protection, Rising Clamp or Screwless versions
- The range offers pitches from 2.5mm to 15mm with up to 35mm<sup>2</sup> cable entry
- Modular and solid block solutions available
- UR and cUR approvals
- Marker printing available on request



### Header Type Terminal Block Range Features:

- Header type Terminal Blocks to pair with Plug type Terminal Blocks
- Male and female Header versions
- The range offers pitches from 2.5mm to 10.16mm
- UR and cUR approvals
- Marker printing available on request



### Plug Type Terminal Block Range Features:

- Plug type Terminal Blocks to fit IMO Header type Terminal Blocks
- Screw or Screwless Clamp versions
- The range offers pitches from 2.5mm to 10.16mm
- UR and cUR approvals
- Marker printing available on request



**For the complete range of  
PCB Terminal Blocks,  
go to [www.imopc.com](http://www.imopc.com)  
and download the catalogue**



## Distribution Boxes, Enclosures & Accessories



### IP66/55 Terminal Junction Boxes



Polycarbonate, V0 Rated  
Supplied with 3 Cable Entry Glands  
& Sealing Plugs



| Part Number  | Description                               |
|--------------|-------------------------------------------|
| <b>TB30C</b> | 7xM20 Entry (88 x 88 x 53mm)              |
| <b>TB31C</b> | 7xM25 Entry (98 x 98 x 61mm)              |
| <b>TB32C</b> | 6xM25/32 & 4xM25 Entry (119 x 139 x 70mm) |
| <b>TB33C</b> | 10xM25/32 Entry (125 x 167 x 82mm)        |

### ABS Plastic Alpha Enclosures



Plain Sided Walls  
IP66 - IP67 Rating  
Circuit Board Slots in Base  
Screws Captive Once Fitted  
All models below are also available in  
UL Approved Polycarbonate



| Part Number     | Description                    |
|-----------------|--------------------------------|
| <b>144E0001</b> | Opaque ABS (75 x 125 x 75mm)   |
| <b>144E0002</b> | Opaque ABS (125 x 125 x 75mm)  |
| <b>144E0003</b> | Opaque ABS (125 x 125 x 100mm) |
| <b>144E0004</b> | Opaque ABS (125 x 175 x 75mm)  |
| <b>144E0005</b> | Opaque ABS (125 x 175 x 100mm) |
| <b>144E0006</b> | Opaque ABS (125 x 175 x 125mm) |
| <b>144E0007</b> | Opaque ABS (175 x 175 x 100mm) |
| <b>144E0008</b> | Opaque ABS (175 x 175 x 125mm) |
| <b>144E0009</b> | Opaque ABS (175 x 175 x 150mm) |
| <b>144E0010</b> | Opaque ABS (175 x 250 x 100mm) |
| <b>144E0011</b> | Opaque ABS (175 x 250 x 150mm) |

### High-Impact Transparent Lid Enclosures



IP66 - IP67 Rating  
ABS Base  
Polycarbonate Transparent Lid



| Part Number     | Description                         |
|-----------------|-------------------------------------|
| <b>144E2010</b> | Opaque ABS Base (200 x 200 x 132mm) |
| <b>144E2011</b> | Opaque ABS Base (200 x 300 x 132mm) |
| <b>144E2012</b> | Opaque ABS Base (200 x 400 x 132mm) |
| <b>144E2013</b> | Opaque ABS Base (300 x 300 x 132mm) |
| <b>144E2014</b> | Opaque ABS Base (300 x 400 x 132mm) |
| <b>144E2015</b> | Opaque ABS Base (300 x 600 x 132mm) |
| <b>144E2016</b> | Opaque ABS Base (400 x 400 x 132mm) |
| <b>144E2017</b> | Opaque ABS Base (400 x 600 x 132mm) |

### Relay & Enclosures



IP65 Rated



| Part Number | Description                      |
|-------------|----------------------------------|
| <b>P1M</b>  | With DIN Rail (89 x 180 x 101mm) |
| <b>P1MT</b> | With Start & Stop Buttons        |

### ABS Plastic Beta Enclosures



Plain Sided Walls  
IP66 - IP67 Rating  
Circuit Board Slots in Base  
Screws Captive Once Fitted



| Part Number     | Description                             |
|-----------------|-----------------------------------------|
| <b>144E1001</b> | Opaque ABS (53 x 55 x 36mm)             |
| <b>144E1002</b> | Opaque ABS (80 x 82 x 56mm)             |
| <b>144E1003</b> | Opaque ABS (80 x 120 x 56mm)            |
| <b>144E1004</b> | Opaque ABS (80 x 120 x 86mm)            |
| <b>144E1005</b> | Opaque ABS (80 x 160 x 56mm)            |
| <b>144E1007</b> | Opaque ABS (120 x 122 x 86mm)           |
| <b>144E1008</b> | Opaque ABS (120 x 200 x 86mm)           |
| <b>144E1009</b> | Opaque ABS (160 x 240 x 121mm)          |
| <b>144E1010</b> | Opaque ABS (230 x 300 x 111mm)          |
| <b>144E1015</b> | Opaque ABS (300 x 400 x 132mm)          |
| <b>144E2002</b> | Transparent Lid ABS (125 x 125 x 75mm)  |
| <b>144E2003</b> | Transparent Lid ABS (125 x 175 x 100mm) |
| <b>144E2004</b> | Transparent Lid ABS (125 x 175 x 150mm) |

### Enclosure Accessories



| Part Number      | Description                                            |
|------------------|--------------------------------------------------------|
| <b>E-LOCK</b>    | Barrel Lock to suit E-xxW Distribution Boxes           |
| <b>144BP0001</b> | Base Plate for 144E0001                                |
| <b>144BP0002</b> | Base Plate for 144E0002 / 3                            |
| <b>144BP0004</b> | Base Plate for 144E0004 / 5                            |
| <b>144BP0007</b> | Base Plate for 144E0007 / 8 / 9                        |
| <b>144BP0010</b> | Base Plate for 144E0010 / 11                           |
| <b>144BP1008</b> | Base Plate for 144E1008                                |
| <b>144BP1010</b> | Base Plate for 144E1010                                |
| <b>144D0001</b>  | DIN Rail for 144E0001 (35 x 50mm)                      |
| <b>144D0002</b>  | DIN Rail for 144E0002 / 3 (35 x 100mm)                 |
| <b>144D0004</b>  | DIN Rail for 144E0004 / 5 / 6 / 7 / 8 / 9 (35 x 150mm) |
| <b>144D0010</b>  | DIN Rail for 144E0010 / 11 (35 x 225mm)                |
| <b>144A0001</b>  | Hinge Pair                                             |



## IMO AC Drives Product Range

IMO have for over 30 years, been at the cutting edge of AC Drives design and manufacturing. The market-leading range of IMO Jaguar AC Drives has continuously innovated in order to maintain its position at the very forefront of inverter technology, and can underwrite your energy savings for 5 years, thanks to our market-leading 5-year warranty.

To complete our AC Drives offering, we also manufacture several cost-efficient ranges - SD1, HD2 and the new HD2IP IP55 rated AC Variable Speed Drives. The SD1 is our entry-level drive range, yet it offers STO (Safe Torque OFF) across the entire range, and cUL approval for use in North America, plus they are available in single or three phase (up to 110kW). The high performance HD2 offers three phase (400V) up to 500kW and includes a huge array of communications capability including WiFi and Bluetooth, whilst the new HD2IP range offers three phase (400V) up to 110kW with IP55 rated protection and our 3 year manufacturer warranty.



### **Jaguar VXT AC Variable Speed Drives**

*See page 44*

Since its introduction in 1984, the IMO Jaguar has represented the cutting-edge of AC inverter design and the latest IMO Jaguar VXT represents the most advanced high performance AC inverter we have ever produced. Packed with features including onboard 200 step PLC functionality, STO (Safe Torque Off) and advanced communications protocols, the Jaguar VXT sets the standard for AC inverter technology letting the user maximise performance whilst minimising additional component requirements in the overall application design.

With IMO's unique 5 Year Warranty and the support of its extensive technical resources around the world, the IMO Jaguar VXT is the natural choice for today's engineer creating tomorrow's design.



Jaguar Drives are over-engineered to provide you with the best possible AC Variable Speed Drive. We are so confident of the reliability and longevity of Jaguar Drives that we offer our unique 5 year manufacturer warranty.



## **SD1 AC Variable Speed Drives** **0.4kW - 110kW (0.5HP - 150HP)**

See page 45

The SD1 is a general purpose variable speed drive range. Easy to set up, and comprehensively specified for use in virtually any application including permanent magnet synchronous motors, the SD1 is IMO's first complete range of variable speed drives which offer STO (SIL2 / SIL3), along with a huge range of enhanced features, normally found on much more expensive inverter drives. A range of EMC filter options makes the SD1 suitable for virtually every industrial, commercial or domestic application.



## **HD2 AC Variable Speed Drives** **1.5kW - 500kW (2HP - 670HP)**

See page 46

The HD2 range of inverters offer unrivalled performance. Designed for controlling asynchronous AC induction motors and permanent magnet synchronous motors, the HD2 torque vector control range are packed full of features that you would usually expect to find on considerably higher specified inverters. Utilising the most advanced vector control technology, the HD2 range delivers sensorless and closed loop vector control for both asynchronous and synchronous motors giving exceptional speed response and control. HD2 offers unparalleled reliability, environmental adaptability, high precision and stable performance - everything you have come to expect from an IMO inverter drive



## **HD2IP AC Variable Speed Drives** **4kW - 110kW (5.5HP - 148HP)**

See page 47

Improving the HD2 range, the brand new HD2IP multi-function torque vector inverters offer a new dimension in IMO's AC Variable Speed Drives range, with IP55 rated protection across the HD2IP range. Incorporating features such as ease of use, excellent performance, high scalability and wide application usage, and with an integrated AC isolator, the HD2IP provides convenience and security for machine control and debugging. Offered as standard with our 3 year manufacturer warranty.



# IMO STARLINE CATALOGUE

PRICING GROUP

**394**

## Jaguar AC Variable Speed Drives

0.4kW ~ 710kW (0.55HP ~ 950HP)



### VXT Single-Phase 200V Single-Rated



Single Duty (HDD),  
IP20 Rated



| Part Number | Description                                           |
|-------------|-------------------------------------------------------|
| VXT-3A-1    | 0.4kW 3.0 Amp 0.5 HP 200-240V 1ph 50-60Hz Unfiltered  |
| VXT-5A-1    | 0.75kW 5.0 Amp 1.0 HP 200-240V 1ph 50-60Hz Unfiltered |
| VXT-8A-1    | 1.5kW 8.0 Amp 2.0 HP 200-240V 1ph 50-60Hz Unfiltered  |
| VXT-11A-1   | 2.2kW 11.0 Amp 3.0 HP 200-240V 1ph 50-60Hz Unfiltered |
| VXT-3A-1E   | 0.4kW 3.0 Amp 0.5 HP 200-240V 1ph 50-60Hz Filtered    |
| VXT-5A-1E   | 0.75kW 5.0 Amp 1.0 HP 200-240V 1ph 50-60Hz Filtered   |
| VXT-8A-1E   | 1.5kW 8.0 Amp 2.0 HP 200-240V 1ph 50-60Hz Filtered    |
| VXT-11A-1E  | 2.2kW 11.0 Amp 3.0 HP 200-240V 1ph 50-60Hz Filtered   |

### VXT Three-Phase 400V Quadruple-Rated



Multi Duty,  
IP20 Rated



| Part Number  | Description                                              |
|--------------|----------------------------------------------------------|
| VXT-2A-4     | 0.75kW 2.1 Amp 1.0 HP 380-480V 3ph 50-60Hz Unfiltered    |
| VXT-4A-4     | 1.5kW 4.1 Amp 2.0 HP 380-480V 3ph 50-60Hz Unfiltered     |
| VXT-6A-4     | 2.2kW 5.5 Amp 3.0 HP 380-480V 3ph 50-60Hz Unfiltered     |
| VXT-7A-4     | 3.0kW 6.9 Amp 4.0 HP 380-480V 3ph 50-60Hz Unfiltered     |
| VXT-12A-4    | 5.5kW 12.0 Amp 7.5 HP 380-480V 3ph 50-60Hz Unfiltered    |
| VXT-22A-4    | 11.0kW 21.5 Amp 15.0 HP 380-480V 3ph 50-60Hz Unfiltered  |
| VXT-29A-4    | 15.0kW 28.5 Amp 20.0 HP 380-480V 3ph 50-60Hz Unfiltered  |
| VXT-37A-4    | 18.5kW 37.0 Amp 25.0 HP 380-480V 3ph 50-60Hz Unfiltered  |
| VXT-44A-4    | 22.0kW 44.0 Amp 30.0 HP 380-480V 3ph 50-60Hz Unfiltered  |
| VXT-2A-4E    | 0.75kW 2.1 Amp 1.0 HP 380-480V 3ph 50-60Hz Filtered      |
| VXT-4A-4E    | 1.5kW 4.1 Amp 2.0 HP 380-480V 3ph 50-60Hz Filtered       |
| VXT-6A-4E    | 2.2kW 5.5 Amp 3.0 HP 380-480V 3ph 50-60Hz Filtered       |
| VXT-7A-4E    | 3.0kW 6.9 Amp 4.0 HP 380-480V 3ph 50-60Hz Filtered       |
| VXT-12A-4E   | 5.5kW 12.0 Amp 7.5 HP 380-480V 3ph 50-60Hz Filtered      |
| VXT-22A-4E   | 11.0kW 21.5 Amp 15.0 HP 380-480V 3ph 50-60Hz Filtered    |
| VXT-29A-4E   | 15.0kW 28.5 Amp 20.0 HP 380-480V 3ph 50-60Hz Filtered    |
| VXT-37A-4E   | 18.5kW 37.0 Amp 25.0 HP 380-480V 3ph 50-60Hz Filtered    |
| VXT-44A-4E   | 22.0kW 44.0 Amp 30.0 HP 380-480V 3ph 50-60Hz Filtered    |
| VXT-59A-4E   | 30.0kW 59.0 Amp 40.0 HP 380-480V 3ph 50-60Hz Filtered    |
| VXT-72A-4E   | 37.0kW 72.0 Amp 50.0 HP 380-480V 3ph 50-60Hz Filtered    |
| VXT-85A-4E*  | 45.0kW 85.0 Amp 60.0 HP 380-480V 3ph 50-60Hz Filtered    |
| VXT-105A-4E* | 55.0kW 105.0 Amp 75.0 HP 380-480V 3ph 50-60Hz Filtered   |
| VXT-139A-4E* | 75.0kW 139.0 Amp 100.0 HP 380-480V 3ph 50-60Hz Filtered  |
| VXT-168A-4E* | 90.0kW 168.0 Amp 125.0 HP 380-480V 3ph 50-60Hz Filtered  |
| VXT-203A-4E* | 110.0kW 203.0 Amp 150.0 HP 380-480V 3ph 50-60Hz Filtered |
| VXT-240A-4E* | 132.0kW 240.0 Amp 175.0 HP 380-480V 3ph 50-60Hz Filtered |
| VXT-290A-4E* | 160.0kW 290.0 Amp 215.0 HP 380-480V 3ph 50-60Hz Filtered |
| VXT-361A-4E* | 200.0kW 361.0 Amp 270.0 HP 380-480V 3ph 50-60Hz Filtered |
| VXT-415A-4E* | 220.0kW 415.0 Amp 300.0 HP 380-480V 3ph 50-60Hz Filtered |
| VXT-520A-4E* | 280.0kW 520.0 Amp 375.0 HP 380-480V 3ph 50-60Hz Filtered |
| VXT-590A4E*  | 315.0kW 590.0 Amp 420.0 HP 380-480V 3ph 50-60Hz Filtered |

### VXT Three-Phase 200V Dual-Rated



Multi-Duty,  
IP20 Rated



| Part Number | Description                                |
|-------------|--------------------------------------------|
| VXT-4A-2    | 0.75kW 3.5 Amp 1.0 HP 200-240V 3ph 50-60Hz |
| VXT-6A-2    | 1.1kW 6.0 Amp 1.5 HP 200-240V 3ph 50-60Hz  |
| VXT-10A-2   | 2.2kW 9.6 Amp 3.0 HP 200-240V 3ph 50-60Hz  |
| VXT-12A-2   | 3.0kW 12.0 Amp 4.0 HP 200-240V 3ph 50-60Hz |
| VXT-20A-2   | 5.5kW 19.6 Amp 7.5 HP 200-240V 3ph 50-60Hz |

**NOTE:** Ratings displayed above related to use with Pumps & Fans. For General Purpose & Heavy Duty ratings, please visit [www.imopc.com](http://www.imopc.com). Unfiltered versions available. Contact IMO for more information



## Save Energy & Money with a Jaguar Variable Speed Drive

Introduction of a Variable Speed Drive can deliver energy savings of up to 50% in many cases. Equipment such as air handling units, swimming pool pumps and extraction systems can all be controlled to deliver optimum performance but at a fraction of the cost.



PRICING GROUP  
**396**

## SD1 General Purpose AC Variable Speed Drives & Accessories

AC Variable Speed Drives (0.4kW ~ 110kW)



### SD1 Single-Phase 100V



IP20 Rated



| Part Number | Description                      |
|-------------|----------------------------------|
| SD1-2.5A-11 | SD1 0.4kW 2.5 Amp Torque Vector  |
| SD1-4.2A-11 | SD1 0.75kW 4.2 Amp Torque Vector |
| SD1-5.8A-11 | SD1 1.1kW 5.8 Amp Torque Vector  |

### SD1 Single-Phase 200V



IP20 Rated



| Part Number | Description                      |
|-------------|----------------------------------|
| SD1-2.5A-21 | SD1 0.4kW 2.5 Amp Torque Vector  |
| SD1-4.2A-21 | SD1 0.75kW 4.2 Amp Torque Vector |
| SD1-7.5A-21 | SD1 1.5kW 7.5 Amp Torque Vector  |
| SD1-10A-21  | SD1 2.2kW 10 Amp Torque Vector   |

### SD1 Three-Phase 200V



IP20 Rated



| Part Number | Description                      |
|-------------|----------------------------------|
| SD1-2.5A-23 | SD1 0.4kW 2.5 Amp Torque Vector  |
| SD1-4.2A-23 | SD1 0.75kW 4.2 Amp Torque Vector |
| SD1-7.5A-23 | SD1 1.5kW 7.5 Amp Torque Vector  |
| SD1-10A-23  | SD1 2.2kW 10 Amp Torque Vector   |
| SD1-16A-23  | SD1 4kW 16 Amp Torque Vector     |
| SD1-20A-23  | SD1 5.5kW 20 Amp Torque Vector   |
| SD1-30A-23  | SD1 7.5kW 30 Amp Torque Vector   |

### SD1 Three-Phase 400V



IP20 Rated



| Part Number  | Description                      |
|--------------|----------------------------------|
| SD1-2.5A-43  | SD1 0.4kW 2.5 Amp Torque Vector  |
| SD1-4.2A-43  | SD1 1.5kW 4.2 Amp Torque Vector  |
| SD1-5.5A-43  | SD1 2.2kW 5.5 Amp Torque Vector  |
| SD1-9.5A-43  | SD1 4kW 9.5 Amp Torque Vector    |
| SD1-14A-43   | SD1 5.5kW 14 Amp Torque Vector   |
| SD1-18.5A-43 | SD1 7.5kW 18.5 Amp Torque Vector |
| SD1-25A-43   | SD1 11kW 25 Amp Torque Vector    |
| SD1-32A-43   | SD1 15kW 32 Amp Torque Vector    |
| SD1-38A-43   | SD1 18.5kW 38 Amp Torque Vector  |
| SD1-45A-43   | SD1 22kW 45 Amp Torque Vector    |
| SD1-60A-43   | SD1 30kW 60 Amp Torque Vector    |
| SD1-75A-43   | SD1 37kW 75 Amp Torque Vector    |
| SD1-92A-43   | SD1 45kW 92 Amp Torque Vector    |
| SD1-115A-43  | SD1 55kW 115 Amp Torque Vector   |
| SD1-150A-43  | SD1 75kW 150 Amp Torque Vector   |
| SD1-180A-43  | SD1 90kW 180 Amp Torque Vector   |
| SD1-215A-43  | SD1 110kW 215 Amp Torque Vector  |

\* Model dependent

### SD1 Filters & Accessories



| Part Number | Description                                |
|-------------|--------------------------------------------|
| SD1-RFC3-10 | C3 Filter for Single-Phase SD1 models      |
| SD1-RFC3-7  | C3 Filter for Three-Phase SD1 models       |
| SD1-KP      | 5 Digit External Mount LED Keypad          |
| SD1-KP-CPY  | 5 Digit External Mount LED Keypad w/copy   |
| SD1-KP-MB   | Keypad Mounting Bracket for SD1 keypads    |
| SD1-JL1     | Filter Jumper Link for units 4kW and above |



# IMO STARLINE CATALOGUE

PRICING GROUP

**396**

## HD2 AC Variable Speed Drives & Accessories

AC Variable Speed Drives (1.5kW ~ 500kW)



### HD2 Three-Phase 400V



IP20 Rated



| Part Number  | Description                      |
|--------------|----------------------------------|
| HD2-3.7A-43  | HD2 1.5kW 3.7 Amp Torque Vector  |
| HD2-5A-43    | HD2 2.2kW 5 Amp Torque Vector    |
| HD2-9.5A-43  | HD2 4kW 9.5 Amp Torque Vector    |
| HD2-14A-43   | HD2 5.5kW 14 Amp Torque Vector   |
| HD2-18.5A-43 | HD2 7.5kW 18.5 Amp Torque Vector |
| HD2-25A-43   | HD2 11kW 25 Amp Torque Vector    |
| HD2-32A-43   | HD2 15kW 32 Amp Torque Vector    |
| HD2-38A-43   | HD2 18.5kW 38 Amp Torque Vector  |
| HD2-45A-43   | HD2 22kW 45 Amp Torque Vector    |
| HD2-60A-43   | HD2 30kW 60 Amp Torque Vector    |
| HD2-75A-43   | HD2 37kW 75 Amp Torque Vector    |
| HD2-92A-43   | HD2 45kW 92 Amp Torque Vector    |
| HD2-115A-43  | HD2 55kW 115 Amp Torque Vector   |
| HD2-150A-43  | HD2 75kW 150 Amp Torque Vector   |
| HD2-180A-43  | HD2 90kW 180 Amp Torque Vector   |
| HD2-215A-43  | HD2 110kW 215 Amp Torque Vector  |
| HD2-260A-43  | HD2 132kW 260 Amp Torque Vector  |
| HD2-305A-43  | HD2 160kW 305 Amp Torque Vector  |
| HD2-340A-43  | HD2 185kW 340 Amp Torque Vector  |
| HD2-380A-43  | HD2 200kW 380 Amp Torque Vector  |
| HD2-425A-43  | HD2 220kW 425 Amp Torque Vector  |
| HD2-480A-43  | HD2 250kW 480 Amp Torque Vector  |
| HD2-530A-43  | HD2 280kW 530 Amp Torque Vector  |
| HD2-600A-43  | HD2 315kW 600 Amp Torque Vector  |
| HD2-650A-43  | HD2 355kW 650 Amp Torque Vector  |
| HD2-720A-43  | HD2 400kW 720 Amp Torque Vector  |
| HD2-820A-43  | HD2 450kW 820 Amp Torque Vector  |
| HD2-860A-43  | HD2 500kW 860 Amp Torque Vector  |

### Braking Units



IP20 Rated



| Part Number  | Description                          |
|--------------|--------------------------------------|
| DBU22/37-4   | Dynamic brake unit, 22-37kW / 400V   |
| DBU45/75-4   | Dynamic brake unit, 45-75kW / 400V   |
| DBU90/110-4  | Dynamic brake unit, 90-110kW / 400V  |
| DBU132-4     | Dynamic brake unit, 132kW / 400V     |
| DBU160/200-4 | Dynamic brake unit, 160-200kW / 400V |
| DBU220/250-4 | Dynamic brake unit, 220-250kW / 400V |

### HD1/HD2 Expansion Cards



| Part Number | Description                                     |
|-------------|-------------------------------------------------|
| HD2-E-IO    | IO Expansion Card                               |
| HD2-E-PLC   | Programmable Expansion Card (CODESYS)           |
| HD2-E-BTP   | Bluetooth Communication Card (Internal Antenna) |
| HD2-E-BTM   | Bluetooth Communication Card (External Antenna) |
| HD2-E-ENET  | Ethernet Communication Card                     |
| HD2-E-WFP   | WiFi Communication Card (Internal Antenna)      |
| HD2-E-WFM   | WiFi Communication Card (External Antenna)      |
| HD2-E-COP   | CANopen Communication Card                      |
| HD2-E-CAN   | CAN Master-Slave Communication Card             |
| HD2-E-PDP   | PROFIBUS-DP Communication Card                  |
| HD2-E-PRF   | PROFINET Communication Card                     |
| HD2-E-PGIM  | Multi-Function Incremental PG Card              |
| HD2-E-PGI   | 5V Differential PG Card                         |
| HD2-E-PGR   | Rotary Transformer PG Card                      |
| HD2-KP-LCD  | LCD Multi-function keypad                       |
| HD2-KP-MB   | Keypad mounting bracket                         |



Energy Savings of up to **50%**

Traditional fans and pumps are hugely inefficient consumers of energy and the introduction of a Variable Speed Drive can deliver energy savings of up to 50% in many cases. Equipment such as air handling units, swimming pool pumps and extraction systems can all be controlled to deliver optimum performance but at a fraction of the cost.

PRICING GROUP  
**396**

## HD2IP IP55 AC Variable Speed Drives & Accessories

AC Variable Speed Drives (4kW ~ 110kW)



### HD2IP Three-Phase 400V



IP55 Rated



| Part Number    | Description                                 |
|----------------|---------------------------------------------|
| HD2IP-9.5A-43  | HD2 IP55 4/5.5kW 9.5/12.5 Amp Torque Vector |
| HD2IP-14A-43   | HD2 IP55 5.5/7.5kW 14/17 Amp Torque Vector  |
| HD2IP-18.5A-43 | HD2 IP55 7.5/11kW 18.5/23 Amp Torque Vector |
| HD2IP-25A-43   | HD2 IP55 11/15kW 25/32 Amp Torque Vector    |
| HD2IP-32A-43   | HD2 IP55 15/18.5kW 32/38 Amp Torque Vector  |
| HD2IP-38A-43   | HD2 IP55 18.5/22kW 38/45 Amp Torque Vector  |
| HD2IP-45A-43   | HD2 IP55 22/30kW 45/60 Amp Torque Vector    |
| HD2IP-60A-43   | HD2 IP55 30/37kW 60/75 Amp Torque Vector    |
| HD2IP-75A-43   | HD2 IP55 37/45kW 75/92 Amp Torque Vector    |
| HD2IP-92A-43   | HD2 IP55 45/55kW 92/115 Amp Torque Vector   |
| HD2IP-115A-43  | HD2 IP55 55/75kW 115/150 Amp Torque Vector  |
| HD2IP-150A-43  | HD2 IP55 75/90kW 150/170 Amp Torque Vector  |
| HD2IP-180A-43  | HD2 IP55 90/110kW 180/215 Amp Torque Vector |
| HD2IP-215A-43  | HD2 IP55 110kW 215 Amp Torque Vector        |

### HD2IP Features

- IP55 protection rating
- AC isolator for safe control
- Isolated air duct
- Sectional cover design makes wiring simple
- Strong scalability: supports up to 3 expansion cards at the same time

## IP55



## Industrial Application Support

**Tailor-made industrial application support  
to boost your productivity, enhance your performance, and reduce your costs.**

No matter what your application or industrial automation project, your operational needs are unique to you. So you will be pleased to hear that as an IMO customer, you have access to our Industrial Application Support team who are able to guide, assist, determine and resolve your industrial application issues to fit your exact needs.

From a simple question and answer through to complete project support, our team is on hand to assist you with our entire Automation product range including AC Variable Speed Drives. Simply call **01707 414444** or email **automation@imopc.com** with details of your project.

**Increase Performance ♦ Reduce Costs ♦ Replacement Components ♦ Energy Savings**



**sales@imopc.com**



**01707 414 444**

## IMO Automation Product Range

IMO's range of automation products has been designed specifically to meet the demanding needs of today's designers and engineers whose requirements range from a simple limit switch through to the most advanced HMIs and PLCs ever produced. The IMO Automation range allows designers and engineers globally to deliver significant technological advances, greater efficiency, reliability and performance in their daily operations for a wide range of applications from a simple wood working machine to the most demanding and complex integrated systems.

With over 40 years experience of servicing the automation market you can be confident that IMO have the products, skills and know-how to help our customers achieve the optimum solution.

### Intelligent Relays

See page 50

Ideally suited for use in smaller automation applications, the iSmart Intelligent Relay from IMO is a flexible, easy-to-use and highly cost-effective controller, offering the same capability as a small Programmable Logic Controller



### Human Machine Interfaces

See page 51

HMIs provide visual solutions for your application. The iView Advanced HMI is our flagship product, providing a modern look and feel for your electronic interface(s). The iView is provided as standard with over 500 industry protocols, significantly increasing compatibility with other automation products. Touch screen sizes range from 4.3" to 15.0", with all offering 65k colours.



### All-in-one Intelligent Controllers

See page 52-53

Introducing the IMO i3 Intelligent Controller featuring PLC, HMI and OpenBus communications technology combined into a single, easy-to-mount unit. Other than saving space, the benefits of an integrated solution include reduction of overall power consumption and reduction of application development time, whilst also allowing customers to standardise to a single controller to fit most of their applications.





## **Programmable Logic Controllers**

*See page 54-55*

Our PLCs are the controlling brain used in electronic operations. Easy to program and operate, PLCs eliminate the need for hard wired relay logic, and offer expansion of input and output modules, depending upon your requirement. Our XGB range offers maximum automation at an affordable price - high performance, high functionality and rich in communications features, the XGB can control the most complex of tasks.



## **Limit Switches**

*See page 57*

IMO Limit Switches are being installed and used daily in every type of industrial machinery, in all types of weather conditions and in many different industry sectors including Wood, Metal, Plastic, Automotive, Packaging and Lifting. IMO Limit Switches are available in eight basic body styles, many contact switch blocks and numerous styles of actuators, giving over 3,000 configurations.



## **Safety Limit Switches**

*See page 58*

Our Safety Limit Switches are specially designed to match the increasing complexity of modern machinery, where safety guarding is paramount and necessary. The comprehensive IMO range provides solutions for rope switch actuation, rotating head and lever switching for open guard sensing and high-speed key entry switching with a design that protects against damage caused by slamming guards.



## **Signal Conditioning**

*See page 59*

IMO's signal conditioning range consists of 4-20mA loop powered isolators, signal isolators, signal converters and frequency to analogue converters, which are innovative in design, compact in size, and available in AC, DC as well as loop powered options.



## **Sensors**

*See page 59-61*

IMO manufactures a comprehensive range of Photoelectric Sensors, Inductive Sensors, Ultrasonic Sensors, AC Capacitive and DC Capacitive Sensors that all carry our 3 year manufacturers warranty.



# IMO STARLINE CATALOGUE

PRICING GROUP

**148**

## iSmart Intelligent Relays & Accessories

Cost-Effective Programmable Controllers for Process Automation Applications



### iSmart Base Units with screen



| Part Number                                               | Description                                      |
|-----------------------------------------------------------|--------------------------------------------------|
| <i>iSmart Version 3 Programmable Relays</i>               |                                                  |
| <b>SMT-ED-R12-V3</b>                                      | 24VDC Relay + HMI 8 DC In, 2A/D In, 4 RO         |
| <b>SMT-ED-R20-V3</b>                                      | 24VDC Relay + HMI 12 DI, 4 AI, 8 RO              |
| <b>SMT-ED-T12-V3</b>                                      | 24VDC Relay + HMI 6 DI, 2 AI, 4 Trans Out        |
| <b>SMT-ED-T20-V3</b>                                      | 24VDC Relay + HMI 12 DI, 4 AI, 8 Trans Out       |
| <b>SMT-ED12-R12-V3</b>                                    | 12VDC Relay + HMI 6 DI, 2 AI, 4 RO               |
| <b>SMT-ED12-R20-V3</b>                                    | 12VDC Relay + HMI 12 DI, 4 AI, 8 RO              |
| <b>SMT-EA-R10-V3</b>                                      | 230VAC Relay + HMI 6 DI (AC), 2 AI, 4 RO         |
| <b>SMT-EA-R20-V3</b>                                      | 230VAC Relay + HMI 12 DI (AC), 4 AI, 8 Trans Out |
| <b>SMT-EA24-R12-V3</b>                                    | 24VAC Relay + HMI 6 AC In, 4 RO                  |
| <b>SMT-EA24-R20-V3</b>                                    | 24VAC Relay + HMI 12 AC In, 8 RO                 |
| <i>iSmart Version 4 Programmable Relays with Ethernet</i> |                                                  |
| <b>SMT4-ED-R12</b>                                        | 24VDC Relay + HMI 8 DC In, 2A/D In, 4 RO         |
| <b>SMT4-ED-R20</b>                                        | 24VDC Relay + HMI 12 DI, 4 AI, 8 RO              |
| <b>SMT4-EA-R10</b>                                        | 230VAC Relay + HMI 6 DI (AC), 2 AI, 4 Trans Out  |
| <b>SMT4-EA-R20</b>                                        | 230VAC Relay + HMI 12 DI (AC), 4 AI, 8 Trans Out |

**NEW**

### iSmart Base Units without screen



| Part Number                                               | Description                                |
|-----------------------------------------------------------|--------------------------------------------|
| <i>iSmart Version 3 Programmable Relays</i>               |                                            |
| <b>SMT-BD-R12-V3</b>                                      | 24VDC Smart Relay 6 DI, 2 AI, 4 RO         |
| <b>SMT-BA-R20-V3</b>                                      | 24VDC Smart Relay 12 DI, 4 AI, 8 RO        |
| <b>SMT-BD-T12-V3</b>                                      | 24VDC Smart Relay 6 DI, 2 AI, 4 Trans Out  |
| <b>SMT-BD-T20-V3</b>                                      | 24VDC Smart Relay 12 DI, 4 AI, 8 Trans Out |
| <b>SMT-BA-R10-V3</b>                                      | 230VAC Smart Relay 6 DI (AC), 4 RO         |
| <b>SMT-BA-R20-V3</b>                                      | 230VAC Smart Relay 12 DI (AC), 8 RO        |
| <i>iSmart Version 4 Programmable Relays with Ethernet</i> |                                            |
| <b>SMT4-BD-R12</b>                                        | 24VDC Smart Relay 6 DI, 2 AI, 4 RO         |
| <b>SMT4-BD-R20</b>                                        | 24VDC Smart Relay 12 DI (AC), 8 RO         |

**NEW**

### iSmart Base Units with RS485



| Part Number                                               | Description                                              |
|-----------------------------------------------------------|----------------------------------------------------------|
| <i>iSmart Version 3 Programmable Relays</i>               |                                                          |
| <b>SMT-CD-R20-V3</b>                                      | 24VDC Smart Relay + HMI 12 DI, 4 AI, 8 RO, Modbus        |
| <b>SMT-CD-T20-V3</b>                                      | 24VDC Smart Relay + HMI 12 DI, 4 AI, 8 Trans Out, Modbus |
| <b>SMT-CD12-R20-V3</b>                                    | 12VDC Smart Relay + HMI 12 DI, 4 AI, 8 RO, Modbus        |
| <i>iSmart Version 4 Programmable Relays with Ethernet</i> |                                                          |
| <b>SMT4-CD-R20</b>                                        | 24VDC Smart Relay + HMI 12 DI, 4 AI, 8 RO, Modbus        |

**NEW**

### Accessories & Expansion Units



| Part Number            | Description                           |
|------------------------|---------------------------------------|
| <i>Expansion Units</i> |                                       |
| <b>SMT-MA-R8</b>       | I/O Expansion 100-240VAC 4 DI, 4 RO   |
| <b>SMT-MD-R8</b>       | I/O Expansion 24VDC 4 DI, 4 RO        |
| <b>SMT-MD-T8</b>       | I/O Expansion 24VDC 4 DI, 4 Trans Out |
| <b>SMT-MD-4AI</b>      | I/O Expansion 24VDC 4 AI              |
| <b>SMT-4PT</b>         | I/O Expansion 24VDC 4 PT100           |
| <b>SMT-2A0</b>         | I/O Expansion 24VDC 2 A0              |
| <b>SMT-MA24-R8</b>     | I/O Expansion 24VAC 4 DI, 4 RO        |
| <i>Accessories</i>     |                                       |
| <b>SMTIV-RS232</b>     | Communication Cable iView to iSmart   |
| <b>SMT-USB</b>         | USB Programming Cable                 |
| <b>SMT-PC03</b>        | Programming Cable                     |
| <b>SMT-PM04-V3</b>     | 32k Flash Memory Expansion            |

PRICING GROUP

**140**

## iView Advanced HMI & Accessories

5 screen sizes, all with over 500 industry protocols included as standard



### iView Advanced HMI E Series

IP66 Rated



| Part Number | Description                                   |
|-------------|-----------------------------------------------|
| IV204E-S0CP | iView HMI with 4.3" Colour Screen No Ethernet |
| IV204E-SECP | iView HMI with 4.3" Colour Screen             |
| IV207E-SECP | iView HMI with 7" Colour Screen               |
| IV210E-SECP | iView HMI with 10.1" Colour Screen            |

### iView Advanced HMI H Series

IP66 Rated



| Part Number | Description                                      |
|-------------|--------------------------------------------------|
| IV07H-SEAA  | iView HMI with 7.0" Colour Screen                |
| IV07H-SFAA  | iView HMI with 7.0" Colour Screen Audio & Video  |
| IV10H-SEAA  | iView HMI with 10.4" Colour Screen               |
| IV10H-SFAA  | iView HMI with 10.4" Colour Screen Audio & Video |
| IV12H-SEAA  | iView HMI with 12.1" Colour Screen               |
| IV12H-SFAA  | iView HMI with 12.1" Colour Screen Audio & Video |
| IV15H-SEAA  | iView HMI with 15.0" Colour Screen               |
| IV15H-SFAA  | iView HMI with 15.0" Colour Screen Audio & Video |

### iView Advanced HMI M Series

IP66 Rated



| Part Number | Description                        |
|-------------|------------------------------------|
| IV204M-SEAP | iView HMI with 4.3" Colour Screen  |
| IV207M-SEAP | iView HMI with 7" Colour Screen    |
| IV210M-SEAP | iView HMI with 10.1" Colour Screen |
| IV212M-SEAA | iView HMI with 12.1" Colour Screen |
| IV215M-SEAA | iView HMI with 15.0" Colour Screen |

### Accessories & Software

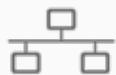


| Part Number        | Description                             |
|--------------------|-----------------------------------------|
| <b>Accessories</b> |                                         |
| IV-USB             | iView to PC Communication Cable         |
| MSD-16GB           | 16GB microSD™ Card                      |
| SMTIV-RS232        | iView to iSmart Communication Cable     |
| <b>Software</b>    |                                         |
| IV2-DEV-LIC        | iView Remote Device License             |
| IV2-REM-ACC        | iView Remote Account License 500 Points |

## See the difference with the iView Advanced HMI



Ingress Protection for Dust Proofing and Water Resistance



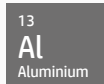
Integral Ethernet Port for remote connectivity



Plug in power terminal for easyfit



File transfer functionality allowing remote download



Aluminium bezel available on selected models



3 Integral Serial Ports including 1 x Screwless



microSD™ card storage for Data Logging



2 Integral USB Ports - 1 x USB A, 1 x USB B



## Over 500 industry protocols as standard

IMO's updated range of iView HMI's are available in five touch screen sizes 4.3", 7.0", 10.4", 12.1" and 15.0". The HMI range options include the IP65 rated E Series for basic applications, the IP66 rated M Series models for medium range applications and IP66 rated H Series models with higher capability for more demanding applications. 2nd generation models are now available with even greater specifications including MQTT messenger functionality.



[sales@imopc.com](mailto:sales@imopc.com)



**01707 414 444**

# IMO STARLINE CATALOGUE

PRICING GROUP

**147**

## *i<sup>3</sup> Intelligent Control Station & Accessories* Integrated PLC, HMI and Openbus communications in one handy unit



### Advantages of an Integrated Solution

IMO's i<sup>3</sup> intelligent controller offers a unique solution combining both Programmable Logic Controller (PLC) and Human Machine Interface (HMI) into one device. As microprocessor technology moves forward, it is a logical step to rationalise hardware and condense many traditional control components down into a single, compact unit. This gives the benefit of reducing manufacturing costs, reducing overall power consumption of the control solution and reducing application development time. It also allows customers to standardise to a single controller to fit most of their applications, and allows greater flexibility for future developments.

### Common i<sup>3</sup> Features

- Addressable function keys
- CAN Port
- Up to 6 Analogue Inputs
- Up to 4 Analogue Inputs
- Stepper Control (PWM)
- PID Control
- Alarm Function
- IP65 (NEMA 4X) Protection
- Configurable Serial Comms Port
- Up to 24 Digital Inputs
- Up to 16 Digital Outputs
- High Speed Counter
- Modem Interface
- CAN & Modbus based Remote I/O
- Real-time Clock
- CE, UL, cUL Approved



### *i<sup>3</sup>AL Lite Intelligent Control Station*



IP65 Rated  
2.2" Mono Screen



| Part Number               | Description                                     |
|---------------------------|-------------------------------------------------|
| <b>I3AL12X/10D12-SCHF</b> | 12DI, 6RO, 2HSC Out, 4AI, 2AO, 2.2" Mono Screen |
| <b>I3AL12X/10D14-SCHF</b> | 12DI, 12DO, 4AI, 2AO, 2.2" Mono Screen          |

### *i<sup>3</sup>CL Lite Intelligent Control Station*



IP65 Rated  
4.3" Colour Screen



| Part Number               | Description                                        |
|---------------------------|----------------------------------------------------|
| <b>I3CL12V/10D12-SEHF</b> | 12DI, 6RO, 2HSC Out, 4AI, 2AO, 4.3" Colour Screen  |
| <b>I3CL12V/10D14-SEHF</b> | 12DI, 12DO, 2HSC Out, 4AI, 2AO, 4.3" Colour Screen |

### *i<sup>3</sup>EL Lite Intelligent Control Station*



IP65 Rated  
7.0" Colour Screen



| Part Number               | Description                                        |
|---------------------------|----------------------------------------------------|
| <b>I3EL12Z/10D12-SEHF</b> | 12DI, 6RO, 2HSC Out, 4AI, 2AO, 7.0" Colour Screen  |
| <b>I3EL12Z/10D14-SEHF</b> | 12DI, 12DO, 2HSC Out, 4AI, 2AO, 7.0" Colour Screen |

## i3AX Intelligent Control Station



IP65 Rated  
2.2" Mono Screen



| Part Number        | Description                               |
|--------------------|-------------------------------------------|
| I3AX12X/10B04-SEHF | 12DI, 12DO, 2AI, Ethernet, Mini USB       |
| I3AX12X/10D03-SEHF | 12DI, 6RO, 4AI, Ethernet, Mini USB        |
| I3AX12X/10E24-SEHF | 12DI, 12DO, 6UAI, 4AO Ethernet, Mini USB  |
| I3AX12X/13C14-SEHF | 12DI, 12DO, 2UAI, 2AO, Ethernet, Mini USB |
| I3AX12X/20B05-SEHF | 24DI, 16DO, 2AI, Ethernet, Mini USB       |

## i3BX Intelligent Control Station



IP65 Rated  
3.5" Mono Screen



| Part Number        | Description                               |
|--------------------|-------------------------------------------|
| I3BX12Y/10D03-SEHF | 12DI, 6RO, 4AI, Ethernet, Mini USB        |
| I3BX12Y/10E24-SEHF | 12DI, 12DO, 6UAI, 4AO Ethernet, Mini USB  |
| I3BX12Y/13C14-SEHF | 12DI, 12DO, 2UAI, 2AO, Ethernet, Mini USB |
| I3BX12Y/20B05-SEHF | 24DI, 6RO, 2AI, Ethernet, Mini USB        |

## i3CY Mini Intelligent Control Station



IP65 Rated  
3.5" Colour Screen



| Part Number         | Description                  |
|---------------------|------------------------------|
| I3CYM12Y/10B04-SEHF | i3CYM 12DI, 12DO, 2AI        |
| I3CYM12Y/10D03-SEHF | i3CYM 12DI, 6DO (Relay), 3AI |
| I3CYM12Y/13C14-SEHF | i3CYM 12DI, 12DO, 2UAI*, 2AO |
| I3CYM12Y/20B05-SEHF | i3CYM 24DI, 16DO, 2AI        |
| I3CYM12Y/00000-SEHF | i3CYM without I/O            |
| I3CYM12Y/10E24-SEHF | i3CYM 12DI, 12DO, 6UAI*, 4AO |

## i3CY Intelligent Control Station



IP65 Rated  
5.7" Colour Screen



| Part Number        | Description                 |
|--------------------|-----------------------------|
| I3CY14Z/10D03-SEHF | i3CY 12DI, 6DO (Relay), 4AI |
| I3CY14Z/20B05-SEHF | i3CY 24DI, 16DO, 2AI        |
| I3CY14Z/13C14-SEHF | i3CY 12DI, 12DO, 2UAI*, 2AO |
| I3CY14Z/10E24-SEHF | i3CY 12DI, 12DO, 6UAI*, 4AO |
| I3CY14Z/00000-SEHF | i3CY without I/O            |

## i3EY Intelligent Control Station



IP65 Rated  
7.0" Colour Screen



| Part Number        | Description                 |
|--------------------|-----------------------------|
| I3EY14Z/10B04-SEHF | i3EY 12DI, 12DO, 2AI        |
| I3EY14Z/10D03-SEHF | i3EY 12DI, 6DO (Relay), 4AI |
| I3EY14Z/13C14-SEHF | i3EY 12DI, 12DO, 2UAI*, 2AO |
| I3EY14Z/20B05-SEHF | i3EY 24DI, 16DO, 2AI        |
| I3EY14Z/00000-SEHF | i3EY without I/O            |
| I3EY14Z/10E24-SEHF | i3EY 12DI, 12DO, 6UAI*, 4AO |

## i3DY Intelligent Control Station



IP65 Rated  
10.4" Colour Screen



| Part Number        | Description                 |
|--------------------|-----------------------------|
| I3DY14Z/10D03-SEHF | i3DY 12DI, 6DO (Relay), 4AI |
| I3DY14Z/13C14-SEHF | i3DY 12DI, 12DO, 2UAI*, 2AO |
| I3DY14Z/10E24-SEHF | i3DY 12DI, 12DO, 6AI, 4AO   |
| I3DY14Z/20B05-SEHF | i3DY 24DI, 16DO, 2AI        |
| I3DY14Z/00000-SEHF | i3DY without I/O            |
| I3DY14Z/10B04-SEHF | i3DY 12DI, 12DO, 2AI        |

## i3HX Intelligent Control Station



IP65 Rated  
15.0" Colour Screen



| Part Number       | Description      |
|-------------------|------------------|
| I3HX15/00000-SEHF | i3HX without I/O |

## Accessories



| Part Number | Description                     |
|-------------|---------------------------------|
| I3-MA-25G   | Quadband GSM Modem with Antenna |
| I3-MA-30G   | Global GSM Modem with Antenna   |
| I3PC45      | Programming Cable               |
| I3-RL-BAT   | Replacement Battery             |
| I3-GPS      | GPS Module RS232                |



# IMO STARLINE CATALOGUE

PRICING GROUP

**132**

## XGB Programmable Logic Controllers & Accessories

Compact design, increased functionality & high speed processing



### XBM Programmable Logic Controller



| Part Number                    | Description                 |
|--------------------------------|-----------------------------|
| <b>XBM-DR16S</b>               | 8 DI, 8 RO (2A), 24 VDC     |
| <b>XBM-DN32S<sup>(1)</sup></b> | 16 DI, 16 DO (0.2A), 24 VDC |

<sup>(1)</sup> Please contact IMO in order to correctly specify the required breakout cable and terminal blocks.

#### XBM Common Technical Specification

|                                           |              |
|-------------------------------------------|--------------|
| Supply Voltage                            | 24 VDC       |
| Relay Output Rating                       | 2A Resistive |
| Transistor Output Rating                  | 0.2A / point |
| Program Capacity                          | 10k Steps    |
| Max I/O Points                            | 240/256      |
| Analogue Input Resolution <sup>(2)</sup>  | 14 bit       |
| Analogue Output Resolution <sup>(3)</sup> | 14 bit       |
| PID Control                               | Yes          |
| Programming Languages                     | Ladder       |
| High Speed Inputs                         | Yes          |
| Positioning                               | Yes          |

<sup>(2)</sup> Model dependant

<sup>(3)</sup> When using analogue expansion units

### XBC Programmable Logic Controller



| Part Number         | Description                    |
|---------------------|--------------------------------|
| <b>XBC-DR32H</b>    | 16 DI, 16 RO (2A), 100-240 VAC |
| <b>XBC-DR32H/DC</b> | 16 DI, 16 RO (2A), 24 VDC      |
| <b>XBC-DR64H</b>    | 32 DI, 32 RO (2A), 100-240 VAC |
| <b>XBC-DR64H/DC</b> | 32 DI, 32 RO (2A), 24 VDC      |

**NOTE:** Please contact IMO to order transistor output versions

#### XBC Common Technical Specification

|                                           |                       |
|-------------------------------------------|-----------------------|
| Supply Voltage                            | 24 VDC or 100-240 VAC |
| Relay Output Rating                       | 2A Resistive          |
| Transistor Output Rating                  | 0.5A / point          |
| Program Capacity                          | 15k Steps             |
| Max I/O Points                            | 352/384               |
| Analogue Input Resolution <sup>(4)</sup>  | 14 bit                |
| Analogue Output Resolution <sup>(5)</sup> | 14 bit                |
| PID Control                               | Yes                   |
| Programming Languages                     | Ladder                |
| High Speed Inputs                         | Yes                   |
| Positioning                               | Yes                   |

<sup>(4)</sup> Model dependant

<sup>(5)</sup> When using analogue expansion units

### XEC Programmable Logic Controller



| Part Number                         | Description                    |
|-------------------------------------|--------------------------------|
| <b>XEC-DR32H</b>                    | 16 DI, 16 RO (2A), 100-240 VAC |
| <b>XEC-DR32H/DC-E<sup>(1)</sup></b> | 16 DI, 16 RO (2A), 24 VDC      |
| <b>XEC-DR64H</b>                    | 32 DI, 32 RO (2A), 100-240 VAC |
| <b>XEC-DR64H/DC-E<sup>(1)</sup></b> | 32 DI, 32 RO (2A), 24 VDC      |

**NOTE:** Please contact IMO to order transistor output versions

<sup>(1)</sup> E-marked versions for 12V vehicle applications

#### XBC Common Technical Specification

|                                           |                       |
|-------------------------------------------|-----------------------|
| Supply Voltage                            | 24 VDC or 100-240 VAC |
| Relay Output Rating                       | 2A Resistive          |
| Transistor Output Rating                  | 0.5A / point          |
| Program Capacity                          | 15k Steps             |
| Max I/O Points                            | 352/384               |
| Analogue Input Resolution <sup>(2)</sup>  | 14 bit                |
| Analogue Output Resolution <sup>(3)</sup> | 14 bit                |
| PID Control                               | Yes                   |
| Programming Languages                     | IEC 61131             |
| High Speed Inputs                         | Yes                   |
| Positioning                               | Yes                   |

<sup>(2)</sup> Model dependant

<sup>(3)</sup> When using analogue expansion units

## XGB U Programmable Logic Controller

Dual Port Ethernet  
Max. 352 I/O point control



| Part Number                       | Description         |
|-----------------------------------|---------------------|
| <b>XBC-DN(P)32U<sup>(1)</sup></b> | 16 DI, 16 DO (0.2A) |
| <b>XBC-DR28U</b>                  | 16 DI, 12 RO (2A)   |
| <b>XEC-DR28U</b>                  | 16 DI, 16 DO (0.2A) |
| <b>XEC-DR28U/DC</b>               | 16 DI, 12 RO (2A)   |

<sup>(1)</sup> N = NPN version P = PNP version  
For 24VDC models please add suffix "/DC" to the part number

### XBC-U Common Technical Specification

|                                           |                        |
|-------------------------------------------|------------------------|
| Supply Voltage                            | 230 VAC / 24 VDC       |
| Relay Output Rating                       | 2A Resistive           |
| Transistor Output Rating                  | 0.5A / point, 2A / COM |
| Program Capacity                          | 32k Steps              |
| Max I/O Points                            | 348/352 <sup>(2)</sup> |
| Analogue Input Resolution <sup>(2)</sup>  | 1/16000                |
| Analogue Output Resolution <sup>(3)</sup> | 1/16000                |
| PID Control                               | Yes                    |
| Programming Languages                     | Ladder                 |
| High Speed Inputs                         | 8                      |
| Positioning                               | Yes                    |

### XEC-U Common Technical Specification

|                                           |                        |
|-------------------------------------------|------------------------|
| Supply Voltage                            | 230 VAC / 24 VDC       |
| Relay Output Rating                       | 2A Resistive           |
| Transistor Output Rating                  | 0.5A / point, 2A / COM |
| Program Capacity                          | 384 kbytes             |
| Max I/O Points                            | 348/352 <sup>(2)</sup> |
| Analogue Input Resolution <sup>(2)</sup>  | 1/16000                |
| Analogue Output Resolution <sup>(3)</sup> | 1/16000                |
| PID Control                               | Yes                    |
| Programming Languages                     | IEC 61131              |
| High Speed Inputs                         | 8                      |
| Positioning                               | Yes                    |

<sup>(2)</sup> Model dependant  
<sup>(3)</sup> Applies only to models with analogue Input/Output

## Accessories & Expansion



| Part Number                    | Description                                       |
|--------------------------------|---------------------------------------------------|
| <b>Expansion Units</b>         |                                                   |
| <b>XBE-DC08A</b>               | Exp. Module 8DI, 24V Input                        |
| <b>XBE-DC16B</b>               | Exp. Module 16 DI, 24V Input                      |
| <b>XBE-DC32A<sup>(4)</sup></b> | Exp. Module 32 DI, 24V Input                      |
| <b>XBE-RV16A</b>               | Exp. Module 16 Relay Output                       |
| <b>XBE-TN08A</b>               | Exp. Module 8 Trans Output (sink)                 |
| <b>XBE-TN16A</b>               | Exp. Module 16 Trans Output (sink)                |
| <b>XBE-TN32A<sup>(4)</sup></b> | Exp. Module 32 Trans Output (sink)                |
| <b>XBE-TP08A</b>               | Exp. Module 8 Trans Output (source)               |
| <b>XBE-TP16A</b>               | Exp. Module 16 Trans Output (source)              |
| <b>XBE-TP32A<sup>(4)</sup></b> | Exp. Module 32 Trans Output (source)              |
| <b>XBE-DR16A</b>               | Exp. Module 8 DI, 8 RO, 24V Input                 |
| <b>XBF-AD04A</b>               | Exp. Module 4 AI, 24V Input                       |
| <b>XBF-AD04C</b>               | Exp. Module 4 AI, 24V Input 16 bit Resolution     |
| <b>XBF-AD08A</b>               | Exp. Module 8 AI, 24V Input                       |
| <b>XBF-AH04A</b>               | Exp. Module 2 AI, 2 AO Volt/Current               |
| <b>XBF-DV04A</b>               | Exp. Module 4 AO (volt)                           |
| <b>XBF-DC04A</b>               | Exp. Module 4 AO (current)                        |
| <b>XBF-RD04A</b>               | Exp. Module 4 PT100 Input                         |
| <b>XBF-TC04S</b>               | Exp. Module 4 Thermocouple Input                  |
| <b>XBL-EMTA</b>                | Ethernet Communication Module 10/100              |
| <b>XEL-BSSA</b>                | Smart I/O Modbus TCP Header, ENET I/O             |
| <b>XBF-PN08B</b>               | XGBU Network Positioning Module 8 Axis            |
| <b>XBF-LD02S</b>               | 2 Channel Load Cell Input Module (for XGB)        |
| <b>XBF-PD02A</b>               | XGBU Positioning Module 2 Axis Line Driver Type   |
| <b>XBL-C21A</b>                | Comms. Module RS232                               |
| <b>XBL-C41A</b>                | Comms. Module RS485/422                           |
| <b>XBL-CMEA</b>                | Comms. Module CANopen Master I/F Module           |
| <b>XBL-CSEA</b>                | Comms. Module CANopen Slave I/F Module            |
| <b>XBL-PMEC</b>                | XGBU Comms. Module Profibus DP Master RS485       |
| <b>XBL-PSEA</b>                | XGBU Comms. Module Profibus DP Slave              |
| <b>Accessories</b>             |                                                   |
| <b>PMC-310S</b>                | RS232 Programming Cable (XBM, XEC-H & XBC-H)      |
| <b>USB-301A</b>                | USB Programming Cable (XGB PLC to i3 Controllers) |
| <b>XBC-XECBATTERY</b>          | Replacement Battery (XBC & XEC only)              |
| <b>XBO-M1024</b>               | XGB Memory Expansion 1Mb                          |
| <b>TG7-1H40S</b>               | XBE Breakout Terminal Board 32 Points             |
| <b>PC501</b>                   | USB to Serial Converter USB to RS232              |
| <b>Extension Cables</b>        |                                                   |
| <b>R40H/20HH-05S-XBM3</b>      | 0.5m Cable Link to suit XBE Terminal Board        |
| <b>R40H/20HH-10S-XBM3</b>      | 1.0m Cable Link to suit XBE Terminal Board        |
| <b>C40HH-05SB-XBI</b>          | 0.5m Cable Link to TG7-1H40S to XBE               |
| <b>C40HH-10SB-XBE</b>          | 1.0m Cable Link to suit XBE Terminal Board        |
| <b>C40HH-10SB-XBI</b>          | 1.0m Cable Link to TG7-1H40S to XBE               |
| <b>C40HH-20SB-XBI</b>          | 2.0m Cable Link to suit XBE (XBE-DC32A/TP3/TN32A) |

<sup>(4)</sup> Please contact IMO in order to correctly specify the required breakout cable and terminal boards



# IMO STARLINE CATALOGUE

PRICING GROUP

**147**

## Remote I/O

Digital & Analogue I/O Modules for i<sup>3</sup> All-in-one Controllers & XGB PLC



### IOS Remote I/O



| Part Number   | Description                           |
|---------------|---------------------------------------|
| IOS/M020XA-D1 | RS485 (HD) 2 D/A Out (V mA) 14-bit    |
| IOS/M04ICX-D1 | RS485 (HD) 4 A/D In (Current) 16-bit  |
| IOS/M04IPX-D1 | RS485 (HD) 4 A/D In (RTD) Res: 0.1C   |
| IOS/M04ITX-D1 | RS485 (HD) 4 A/D In (TC) Res: 0.1C    |
| IOS/M04IVX-D1 | RS485 (HD) 4 A/D In (Voltage) 16-bit  |
| IOS/M040XA-D1 | RS485 (HD) 4 D/A Out (V mA) 14-bit    |
| IOS/M08BDR-D1 | RS485 (HD) 4 DI 4 Relay Out           |
| IOS/M08ICX-D1 | RS485 (HD) 8 A/D In (Current) 16-bit  |
| IOS/M08ITX-D1 | RS485 (HD) 8 A/D In (TC) Res: 0.1C    |
| IOS/M08IVX-D1 | RS485 (HD) 8 A/D In (Voltage) 16-bit  |
| IOS/M080XV-D2 | RS485 (HD) 8 D/A Out (Voltage) 14-bit |
| IOS/M12BDD-D2 | RS485 (HD) 4 DC In 8 Trans Out        |
| IOS/M12IDX-D1 | RS485 (HD) 12 DC In                   |

### Smart I/O



| Part Number | Description                                      |
|-------------|--------------------------------------------------|
| GSL-D24C    | Smart I/O Modbus 32 DI Removable Connector       |
| GSL-DT4C1   | Smart I/O Modbus 16 DI 16 DO Removable Terminals |
| GSL-RV2A    | Smart I/O Modbus 16 RO 2A                        |
| GSL-RV2C    | Smart I/O Modbus 16 RO 2A Removable Terminals    |

PRICING GROUP

**147**

## i<sup>3</sup> Intelligent Control Station Remote Machine Interface

Monitor & Control Plant Data From Your Mobile Device

Now you can monitor and control plant data from the palm of your hand with IMO i<sup>3</sup> RMI. Published directly from the i<sup>3</sup> Configurator, i<sup>3</sup> RMI allows the same or unique Web pages to be monitored and controlled from your computer, tablet or other mobile device. Developed completely within our i<sup>3</sup> Configurator environment, i<sup>3</sup> RMI allows for state-of-the-art HTML5 development without the need for web programming skills. The licencing and registration process is quick and simple while the benefits and affordability of i<sup>3</sup> RMI will truly change your world.

### IoT - Internet of Things

Contributing to the global trend known as the Internet of Things (or IoT), our i<sup>3</sup> RMI instantly connects you to your automated applications. With i<sup>3</sup> RMI, you have the ability to remotely monitor and control easier and faster than ever before, all through your phone, computer, or tablet - providing you with the necessary insights to grow and improve your business.

### i<sup>3</sup> Configurator Configurability

You don't have to be a professional web developer to benefit from the remote-accessing capabilities for i<sup>3</sup> RMI. With i<sup>3</sup> RMI, we've made accessing your i<sup>3</sup> controller as smooth and simple as possible, by putting the i<sup>3</sup> RMI configuration right within our standard programming software. Now i<sup>3</sup> Configurator allows you to create, monitor and control your i<sup>3</sup> application remotely without any manual HTML development.



### i<sup>3</sup>RMI Remote Machine Interface



| Part Number  | Description                                            |
|--------------|--------------------------------------------------------|
| I3-RMI-BASIC | RMI License 5 Users 25 Pages 100 Points                |
| I3-RMI-PRO   | RMI License 254 Users 1,023 Pages 50,000 Points        |
| I3-TRANSFER  | i <sup>3</sup> File Transfer Software                  |
| I3PORTAL     | i <sup>3</sup> Remote Operator Software Single License |

PRICING GROUP  
**104**

## Limit Switches

8 Body Styles With Numerous Contact Blocks & Actuators



### Compact Plastic Body Limit Switches



IP67 Rated



| Part Number                 | Description                    |
|-----------------------------|--------------------------------|
| <i>Single Conduit Entry</i> |                                |
| LRC5A01                     | Short Piston Plunger           |
| LRC5A02                     | One-Way Roller (Top Actuated)  |
| LRC5A05                     | One-Way Roller (Side Actuated) |
| LRC5A07                     | One-Way Roller (Adjustable)    |
| LRC5A08                     | Piston Plunger (Sealed)        |
| LRC5A10                     | M12 Piston Plunger             |
| LRC5A13                     | M18 Piston Plunger             |
| LRC5A15                     | 11mm Roller Plunger            |
| LRC5A20                     | Coil Spring & Rod (Sealed)     |
| LRC5A21                     | Cats Whisker                   |
| LRC5A25                     | Coiled Spring (Sealed)         |
| LRC5A31                     | Roller Lever                   |
| LRC5A33                     | Lever Rod (Square)             |
| LRC5A50                     | Lever Rod (Round)              |
| LRC5A51                     | Large Offset Roller Lever      |
| LRC5A52                     | Roller Lever Long              |
| LRC5A54                     | Offset Roller Lever            |
| LRC5A55                     | Adjustable Roller Lever        |
| LRC5A69                     | Lever Rod (Glass Fibre)        |
| <i>Double Conduit Entry</i> |                                |
| LXC5A01                     | Short Piston Plunger           |
| LXC5A02                     | One-Way Roller (Top Actuated)  |
| LXC5A05                     | One-Way Roller (Side Actuated) |
| LXC5A07                     | One-Way Roller (Adjustable)    |
| LXC5A08                     | Piston Plunger (Sealed)        |
| LXC5A13                     | M18 Piston Plunger             |
| LXC5A15                     | 11mm Roller Plunger            |
| LXC5A20                     | Coil Spring & Rod (Sealed)     |
| LXC5A21                     | Cats Whisker                   |
| LXC5A25                     | Coiled Spring (Sealed)         |
| LXC5A31                     | Roller Lever                   |
| LXC5A33                     | Lever Rod (Square)             |
| LXC5A50                     | Lever Rod (Round)              |
| LXC5A51                     | Large Offset Roller Lever      |
| LXC5A52                     | Roller Lever Long              |
| LXC5A54                     | Offset Roller Lever            |
| LXC5A55                     | Adjustable Roller Lever        |
| LXC5A69                     | Lever Rod (Glass Fibre)        |

### Compact Metal Body Limit Switches



IP67 Rated



| Part Number                 | Description                    |
|-----------------------------|--------------------------------|
| <i>Single Conduit Entry</i> |                                |
| LMC5A01                     | Short Piston Plunger           |
| LMC5A02                     | One-Way Roller (Top Actuated)  |
| LMC5A05                     | One-Way Roller (Side Actuated) |
| LMC5A07                     | One-Way Roller (Adjustable)    |
| LMC5A08                     | Piston Plunger (Sealed)        |
| LMC5A13                     | M18 Piston Plunger             |
| LMC5A15                     | 11mm Roller Plunger            |
| LMC5A20                     | Coil Spring & Rod (Sealed)     |
| LMC5A21                     | Cats Whisker                   |
| LMC5A25                     | Coiled Spring (Sealed)         |
| LMC5A31                     | Roller Lever                   |
| LMC5A33                     | Lever Rod (Square)             |
| LMC5A50                     | Lever Rod (Round)              |
| LMC5A51                     | Large Offset Roller Lever      |
| LMC5A52                     | Roller Lever Long              |
| LMC5A54                     | Offset Roller Lever            |
| LMC5A55                     | Adjustable Roller Lever        |
| LMC5A69                     | Lever Rod (Glass Fibre)        |

### Standard Metal Body Limit Switches



IP67 Rated



| Part Number                 | Description                    |
|-----------------------------|--------------------------------|
| <i>Single Conduit Entry</i> |                                |
| LDC5A35                     | Adjustable Roller Lever        |
| LDC5A25                     | Sealed Coiled Spring           |
| LDC5A31-1                   | Steel Roller Lever With Offset |
| LDC5A31                     | Roller Lever With Offset       |
| LDC5A41                     | Two Stable Positions, 1 Track  |
| LDC5A05                     | One Way Roller Side Actuation  |
| LDC5A20                     | Sealed Coil Spring + Rod       |
| LDC5A10                     | Sealed Piston Plunger          |

We can supply many different configurations and styles, so if you don't see what you are looking for here, refer to [www.imopc.com](http://www.imopc.com) or contact IMO for more information and pricing.



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# IMO STARLINE CATALOGUE

PRICING GROUP

**104**

## Safety Limit Switches

8 Body Styles With Numerous Contact Blocks & Actuators



### Standard Metal Body Limit Switches



IP67 Rated



| Part Number  | Description                                   |
|--------------|-----------------------------------------------|
| LDC18MR-F120 | 90° Key NO NC Controlled by Lock Metal Body   |
| LDC6JK-F1    | 90° Actuator NO+NC Metal Body                 |
| LDC6JK-F2    | Flat Actuator NO+NC Metal Body                |
| LDC9JK-F     | Flat Actuator 2NC Metal Body                  |
| LDC9R2-F120  | 90° Key 2NC w/Delayed Key Metal Body          |
| LDC20R2-F    | Flat Actuator NO+2NC w/Delayed Key Metal Body |
| LDC20R2-F1   | 90° Key NO+2NC w/Delayed Key Metal Body       |
| LPC9R2-F1    | 90° Key 2NC w/Delayed Release Plastic Body    |

### Metal Body Rope Switches



IP67 Rated



| Part Number | Description                     |
|-------------|---------------------------------|
| LDC18RRL    | NO+NC 90° Head to Left + Reset  |
| LDC18RRR    | NO+NC 90° Head to Right + Reset |
| LDC18RRS    | NO+NC Head Straight + Reset     |
| LDC20RRS    | NO+2NC Slow Action BBM + Reset  |
| LDC9RRL     | 2NC Head 90° to Left + Reset    |
| LDC9RRR     | 2NC Head 90° to Right + Reset   |
| LDC9RRS     | 2NC Head Straight + Reset       |
| LLC9RRS     | 2NC + Reset                     |

### Solenoid Door Interlock



IP67 Rated



| Part Number      | Description                                 |
|------------------|---------------------------------------------|
| LGMSAS1D0Z-F28   | 24VAC/DC Univ Ac. NO+NC NO+NC On to Release |
| LGMSAS1E0Z       | 24AC/DC No Act NO+NC, NO+NC Off to Release  |
| LGMSAS1E3Z       | 12VDC No Act NO+NC NO+NC Off to Release     |
| LGMSPS1E0A       | 24VAC/DC No Act NC 3NC Off to Release 2LED  |
| PSC1860F120-F    | 120VA/DC Flat Act NO+NC On to Release       |
| PSC2060F024-F    | 24VAC/DC Flat Act NO+2NC On to Release      |
| PSC2060F024-F1   | 24VAC/DC 90° Act NO+2NC On to Release       |
| PSC2060F024-F2   | 24VAC/DC Flex Act NO+2NC On to Release      |
| PSC2060F024-F3   | 24VAC/DC Adj Act NO+2NC On to Release       |
| PSC2060N024-F    | 24VAC/DC Flat Act NO+2NC Off to Release     |
| PSC2060N024-F1   | 24VAC/DC 90° Act NO+2NC Off to Release      |
| PSC2860F024-F1   | 24VAC/DC 90° Act NC NO+NC On to Release/Key |
| PSC2860N024-F3   | 24VAC/DC Adj Act NC NO+NC Off to Release    |
| PSC2960F024-F3   | 24VAC/DC Adj Act NC 2NC On to Release       |
| PSC2960F120-F320 | 120VA/DC Adj Act NC 2NC On to Release       |
| PSC3060F024-F7   | 24VAC/DC Jointed Act 2NC NC On to Release   |
| PSC3060N024-F1   | 24VAC/DC 90° Act 2NC NC Off to Release      |

### Compact Plastic Door Interlock



IP67 Rated



| Part Number  | Description                                 |
|--------------|---------------------------------------------|
| LRC18CH      | Hinge Operated NO+NC Slow Action            |
| LRC20JK      | No Actuator NO+2NC Slow Action              |
| LRC20JK-D    | Flat Actuator NO+2NC Slow Action            |
| LRC20JK-D2   | Flexible Actuator NO+2NC Slow Action        |
| LRC6JK-D     | Flat Actuator NO+NC Slow Action             |
| LRC6JK-D1    | 90° Actuator NO+NC Slow Action              |
| LRC6JK-D2    | Flexible Actuator NO+NC Slow Action         |
| LRC6JK-DX70  | Flat Actuator NO+NC Slow Action M12 Plug    |
| LRC6JK-D1X70 | 90° Actuator NO+NC Slow Action M12 Plug     |
| LRC9JK       | Without Key 2NC                             |
| LRC9JK-D     | Flat Actuator 2NC                           |
| LRC9JK-D1    | 90° Actuator 2NC                            |
| LRC9JK-D3    | Adjustable Act 2NC                          |
| LWC33DK-20   | No Act NO+NC Slow Action 2xM20 Entry        |
| LRC18CH-L6   | Hinge Operated NO+ NC & 120.5mm Solid Shaft |

We can supply many different configurations and styles, so if you don't see what you are looking for here, refer to [www.imopc.com](http://www.imopc.com) or contact IMO for more information and pricing.

PRICING GROUP

**125**

## Signal Conditioning

Range of inputs inc. 4-20mA, thermocouple, frequency, RTD & voltage signals



### SLIMCON Signal Conditioning



| Part Number                 | Description                           |
|-----------------------------|---------------------------------------|
| SLIMCON-6                   | Configurable Input & Output - mA or V |
| SLIMCON-6-FC <sup>(1)</sup> | Configurable Input & Output - mA or V |

<sup>(1)</sup> Pre-set factory configured I/P & O/P according to customer requirement

### DUALCON Signal Conditioning



| Part Number                 | Description             |
|-----------------------------|-------------------------|
| DUALCON-3                   | 90-264VAC 1 UAI, 2 AO   |
| DUALCON-6                   | 18-32VAC/DC 1 UAI, 2 AO |
| DUALCON-6-FC <sup>(1)</sup> | 18-32VAC/DC 1 UAI, 2 AO |

<sup>(1)</sup> Pre-set factory configured I/P & O/P according to customer requirement

### ISOCON Signal Conditioning



| Part Number                | Description                            |
|----------------------------|----------------------------------------|
| ISOCON-3                   | 90-264VAC Selectable Input & Output    |
| ISOCON-3-FC <sup>(1)</sup> | 90-264VAC Selectable Input & Output    |
| ISOCON-3-STRAIN            | Configurable, 10VDC Excitation Voltage |
| ISOCON-6                   | 12-36VDC or 12-32VAC Selectable I/O    |
| ISOCON-6-FC <sup>(1)</sup> | 12-36VDC or 12-32VAC Selectable I/O    |
| ISOCON-6-STRAIN            | Configurable, 10VDC Excitation Voltage |
| VCONHL-FC <sup>(1)</sup>   | AC Amp Input, Output Volts / mA        |

<sup>(1)</sup> Pre-set factory configured I/P & O/P according to customer requirement

PRICING GROUP

**109**

## Capacitive & Ultrasonic Sensors



### Capacitive Sensors



IP67 Rated



| Part Number | Description                         |
|-------------|-------------------------------------|
| C18P/8P-1A  | Cap. Sensor M18 8mm AC              |
| C18P/A0-1E  | Cap. Sensor M18 8mm AC              |
| C30P/00-1E  | Cap. Sensor M30 16mm AC SCR         |
| C30M/00-1E  | Cap. Sensor M30 16mm AC SCR SS Body |

### Ultrasonic Sensors



IP67 Rated



| Part Number | Description                   |
|-------------|-------------------------------|
| UK1C/G1-0E  | Ultrasonic Sensor 0.9m 0-10V  |
| UK1D/G1-0E  | Ultrasonic Sensor 1.6m 0-10V  |
| UK1D/G2-0E  | Ultrasonic Sensor 1.5m 4-20mA |

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# IMO STARLINE CATALOGUE

PRICING GROUP

**109**

## Photoelectric Sensors Infrared, Visible Red LED & Red Laser Models



### QD Miniature Sensors



Dimensions: 21 x 31.2 x 12.8mm  
IP67 Rated



| Part Number  | Description                        |
|--------------|------------------------------------|
| QDRP1/0P-0F  | Polarized-Retro 5m PNP             |
| QDID4/0P-0F  | Diffuse Reflection 1.5m PNP        |
| QDRP1/0N-0F  | Polarized-Retro 5m NPN             |
| QDID4/0N-0F  | Diffuse Reflection 1.5m NPN        |
| QDIP2/0P-0A  | Polarized-Retro 7m PNP             |
| QDRBS/0P-0F  | Diffuse Reflection 0.1m PNP BGS    |
| QDIBS/0P-0F  | Diffuse Reflection M8 Plug PNP BGS |
| QDRCM1/0P-0F | Polarized-Retro M8 Plug PNP        |
| QDRD2/0P-0F  | Diffuse Reflection M8 Plug PNP     |
| QDRE/00-0F   | Through-Beam Emitter M8 Plug       |
| QDRER/0N-0F  | Through-Beam TX & RX M8 Plug NPN   |
| QDRR/0N-0F   | Through-Beam Receiver M8 Plug NPN  |

NOTE: BGS = Background Suppression

### M18 Barrel Photoelectric Sensors



FA: IP67 Rated  
FF: IP67, IP68 & IP69K



| Part Number | Description                            |
|-------------|----------------------------------------|
| FAI7/BP-0E  | Diffuse Infrared 0.4m PNP              |
| FAI4/BP-0E  | Diffuse Infrared 0.2m PNP              |
| FAIC/BP-0E  | Retro-Reflective Infrared 4m PNP       |
| FAIH/00-0E  | Through Beam-Emitter Infrared          |
| FAID/0P-0E  | Through Beam-Receiver Infrared 20m PNP |
| FFI7/BP-1E  | Diffuse 0.4m PNP*                      |
| FFI8/BP-1E  | Diffuse 0.8m PNP*                      |
| FFIH/00-1E  | Through-Beam Emitter*                  |
| FFIZ/BN-1E  | Through-Beam Receiver 20m NPN*         |
| FFIZ/BP-1E  | Through-Beam Receiver 20m PNP*         |
| FFRL/BP-1E  | Polarized-Retro 1m PNP*                |
| FFRN/BP-1E  | Polarized-Retro 4m PNP*                |

#### Red Laser Models

|            |                                                             |
|------------|-------------------------------------------------------------|
| FAL4/BP-1E | Diffuse Reflection PNP Sn=300mm Adjustable*                 |
| FALD/BN-1E | Through-Beam Receiver Sn=50m Adjustable*                    |
| FALD/BP-1E | Through-Beam Receiver PNP Sn=50m Adjustable*                |
| FALD/BP-3E | Through-Beam Receiver PNP Sn=50m Adjustable 90° Optic*      |
| FALH/X0-0E | Through-Beam Emitter With Check Input**                     |
| FALH/X0-1E | Through-Beam Emitter With Check Input*                      |
| FALN/BN-0E | Polarized-Retro Reflective NPN Sn=35m Adj.**                |
| FALN/BN-1E | Polarized-Retro Reflective NPN Sn=35m Adjustable*           |
| FALN/BN-3E | Polarized-Retro Reflective NPN Sn=35m Adjustable 90° Optic* |
| FALN/BP-0E | Polarised Retro Reflective PNP Sn=35m Adjustable**          |
| FALN/BP-1E | Polarized-Retro Reflective PNP Sn=30m*                      |
| FALN/BP-3E | Polarized-Retro Reflective PNP Sn=30m 90° Optic*            |

\* Metal body \*\* PBT body

### Compact Photoelectric Sensors



Dimensions: 50 x 50 x 17mm  
IP67 Rated



| Part Number | Description                            |
|-------------|----------------------------------------|
| SQE/0A20-C  | Through-beam Emitter 20m AC            |
| SQG/B00.5-P | Diffuse 0.5m DC Background Suppression |
| SQP/C06-C   | Polarized Retro 6m AC SPDT RLY         |
| SQR/C020-C  | Through-beam Receiver 20m AC SPDT RLY  |
| SQD/B01-C   | Diffuse Sn= 1000mm                     |
| SQD/B01-P   | Diffuse Sn= 1000mm                     |
| SQD/B02-C   | Diffuse Sn= 2000mm                     |
| SQD/B02-P   | Diffuse Sn= 2000mm                     |
| SQD/C01-C   | Diffuse Sn= 1000mm                     |
| SQD/C02-C   | Diffuse Sn= 2000mm                     |
| SQE/0D20-C  | Through-beam Emitter Sn=20m            |
| SQE/0D20-P  | Through-beam Emitter Sn=20m            |
| SQG/B00.5-C | Diffuse BS Sn= 120mm to 500mm          |
| SQP/B06-C   | Polarized Retro Sn=6m                  |
| SQP/B06-P   | Polarized Retro Sn=6m                  |
| SQR/B020-C  | Through-beam Receiver Sn=20m           |
| SQR/B020-P  | Through-beam Receiver Sn=20m           |

### Photoelectric Area Sensors



IP67 Rated



| Part Number                   | Description                                |
|-------------------------------|--------------------------------------------|
| <i>Throughbeam Models</i>     |                                            |
| BX80A/1P-0H                   | Area Sensor Receiver 2m PNP                |
| BX80S/10-0H                   | Area Sensor Emitter 2m                     |
| BX80A/1P-1H                   | Area Sensor Receiver 2m PNP Aluminium Body |
| BX80A/5P-0H                   | Area Sensor Receiver 0.25m PNP             |
| BX80S/50-0H                   | Area Sensor Emitter 0.25m                  |
| BX80S/10-1H                   | Area Sensor Emitter 2m Aluminium Body      |
| BX80S/10-1A                   | Area Sensor Emitter 2m with 2m Cable       |
| <i>Retroreflective Models</i> |                                            |
| ASPRO/0B-1T                   | Area Sensor M12 Pigtail DC NO/NC PNP+NPN   |
| ASPRO/0I-1T                   | Area Sensor M12 Pigtail DC IO Link         |
| ASPRO/0T-1T                   | Area Sensor M12 Pigtail DC NO/NC Push Pull |
| ASPRO/BN-1T                   | Area Sensor M12 Pigtail DC NO+NC NPN       |

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## Proximity Sensors

Shielded & Unshielded, Standard & Long Sensing Range Versions



### Standard Distance PB Series



IP67 Rated, LED Indication  
M12 Plug Exit



| Part Number            | Description                     |
|------------------------|---------------------------------|
| <i>Shielded Type</i>   |                                 |
| <b>PB0801/DSAP-H</b>   | M8 PNP 1.5mm Range 66mm Length  |
| <b>PB1202/DSAP-H</b>   | M12 PNP 2mm Range 71mm Length   |
| <b>PB1805/DSAP-H</b>   | M18 PNP 5mm Range 62mm Length   |
| <b>PB3010/DSAP-H</b>   | M30 PNP 10mm Range 68mm Length  |
| <i>Unshielded Type</i> |                                 |
| <b>PB0802/DUAP-H</b>   | M8 PNP 2mm Range 71mm Length    |
| <b>PB1204/DUAP-H</b>   | M12 PNP 4mm Range 70mm Length   |
| <b>PB1808/DUAP-H</b>   | M18 PNP 8mm Range 70.5mm Length |
| <b>PB3015/DUAP-H</b>   | M30 PNP 15mm Range 81mm Length  |

### Long Distance PB Series



IP67 Rated, LED Indication  
M12 Plug Exit



| Part Number            | Description                      |
|------------------------|----------------------------------|
| <i>Shielded Type</i>   |                                  |
| <b>PB0801/DSAP-H</b>   | M8 PNP 2mm Range 66mm Length     |
| <b>PB1204/DSAP-H</b>   | M12 PNP 4mm Range 65mm Length    |
| <b>PB1808/DSAP-H</b>   | M18 PNP 8mm Range 62mm Length    |
| <b>PB3015/DSAP-H</b>   | M30 PNP 15mm Range 68mm Length   |
| <i>Unshielded Type</i> |                                  |
| <b>PB0804/DUAN-H*</b>  | M8 NPN 4mm Range 50mm Length     |
| <b>PB1207/DUAP-H</b>   | M12 PNP 7mm Range 70mm Length    |
| <b>PB1812/DUAP-H</b>   | M18 PNP 12mm Range 70.5mm Length |
| <b>PB3015/DUAP-H</b>   | M30 PNP 22mm Range 81mm Length   |

\* 2m Cable Exit. Most devices are available as pre-cabled, or with M12 connector.

### Miniature Inductive AA Series



IP67 Rated, LED Indication  
Cable or Plug Exit



| Part Number      | Description                                       |
|------------------|---------------------------------------------------|
| <b>AA1/AN-1A</b> | 3mm Dia. Shielded PUR Cable 2m DC NO NPN Sn=0.6mm |
| <b>AA1/AP-1A</b> | 3mm Dia. Shielded PUR Cable 2m DC NO PNP Sn=0.6mm |
| <b>AA1/CN-1A</b> | 3mm Dia. Shielded PUR Cable 2m DC NC NPN Sn=0.6mm |
| <b>AA1/CP-1A</b> | 3mm Dia. Shielded PUR Cable 2m DC NC PNP Sn=0.6mm |
| <b>AA1/AP-3A</b> | 3mm Dia. Shielded PUR Cable 2m DC NO PNP Sn=1mm   |
| <b>AA1/CN-3A</b> | 3mm Dia. Shielded PUR Cable 2m DC NC NPN Sn=1mm   |

### Standard Distance AD Series



IP67 Rated, LED Indication  
Cable or Plug Exit



| Part Number      | Description                                   |
|------------------|-----------------------------------------------|
| <b>AD1/AP-1A</b> | M5 Shielded Cable 2m DC NO PNP Sn=0.8mm       |
| <b>AD1/AP-1F</b> | M5 Shielded M8 Plug 3 Pole DC NO PNP Sn=0.8mm |
| <b>AD1/AN-1A</b> | M5 Shielded Cable 2m DC NO NPN Sn=0.8mm       |
| <b>AD1/AN-1F</b> | M5 Shielded M8 Plug 3 Pole DC NO NPN Sn=0.8mm |
| <b>AD1/CN-1A</b> | M5 Shielded Cable 2m DC NC NPN Sn=0.8mm       |
| <b>AD1/CN-1F</b> | M5 Shielded M8 Plug 3 Pole DC NC NPN Sn=0.8mm |
| <b>AD1/CP-1A</b> | M5 Shielded Cable 2m DC NC PNP Sn=0.8mm       |
| <b>AD1/CP-1F</b> | M5 Shielded M8 Plug 3 Pole DC NC PNP Sn=0.8mm |

### Miniature Inductive AC Series



IP67 Rated, LED Indication  
Cable or Plug Exit



| Part Number      | Description                                         |
|------------------|-----------------------------------------------------|
| <b>AC1/AN-1A</b> | 4mm Dia. Shielded Cable 2m DC NO NPN Sn=0.8mm       |
| <b>AC1/AN-1F</b> | 4mm Dia. Shielded M8 Plug 3 Pole DC NO NPN Sn=0.8mm |
| <b>AC1/AN-3A</b> | 4mm Dia. Shielded Cable 2m DC NO NPN Sn=1.5mm       |
| <b>AC1/AN-3F</b> | 4mm Dia. Shielded M8 Plug 3 Pole DC NO NPN Sn=1.5mm |
| <b>AC1/AP-1A</b> | 4mm Dia. Shielded Cable 5m DC NO PNP Sn=0.8mm       |
| <b>AC1/AP-1F</b> | 4mm Dia. Shielded M8 Plug 3 Pole DC NO PNP Sn=0.8mm |
| <b>AC1/AP-3A</b> | 4mm Dia. Shielded Cable 5m DC NO PNP Sn=1.5mm       |
| <b>AC1/AP-3F</b> | 4mm Dia. Shielded M8 Plug 3 Pole DC NO PNP Sn=1.5mm |
| <b>AC1/CN-1A</b> | 4mm Dia. Shielded Cable 2m DC NC NPN Sn=0.8mm       |
| <b>AC1/CN-1F</b> | 4mm Dia. Shielded M8 Plug 3 Pole DC NC NPN Sn=0.8mm |
| <b>AC1/CP-1A</b> | 4mm Dia. Shielded Cable 2m DC NC PNP Sn=0.8mm       |
| <b>AC1/CP-1F</b> | 4mm Dia. Shielded M8 Plug 3 Pole DC NC PNP Sn=0.8mm |

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Notes:

Lined area for notes.

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.