IMO

STARLINE CATALOGUE 2021

www.imopc.com

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Jaguar Variable Speed AC Drives TRUE DC Solar Isolators iView Advanced HMI XGB Programmable Logic Controller i3 Intelligent Control Station FireRaptor Solar Panel Rapid Shutdown System Miniature Circuit Breakers iSmart Intelligent Relays Industrial Relays Residual Circuit Breakers Contactors Enclosed AC Isolators Thermal Overload Relays Motor Circuit Breakers DIN Rail Terminals Power Supplies Proximity Sensors Limit Switches Photoelectric Sensors Foot Switches Cam Switches Modular Heating & Lighting Contactors Plug-In Relays iStart Enclosed Starters Sockets For Power Relays Safety Limit Switches Signal Conditioning Push Buttons Distribution Boxes Pilot Lights Timers Temperature Controllers Enclosures Solar Connectors Rotary Knobs Jaguar Variable Speed AC Drives TRUE DC Solar Isolators iView Advanced HMI XGB Programmable Logic Controller i3 Intelligent Control Station FireRaptor Solar Panel Rapid Shutdown System Miniature Circuit Breakers iSmart Intelligent Relays Industrial

The Future In Control

IMO Precision Controls

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

Engineered in the UK

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.

2 YEAR GUARANTEE 3 YEAR GUARANTEE 5 YEAR GUARANTEE

nqa ISO 9001 QUALITY MANAGEMENT UKAS MANAGEMENT SYSTEMS 015

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.

AIRBUS Ford KONE CATERPILLAR Nestlé NISSAN Heinz Honeywell TESCO

Unrivaled 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.

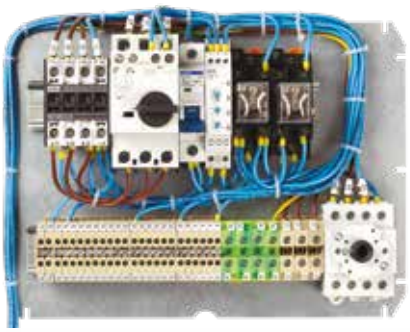
Training modules can be standard or higher level, tailored to customer's specific requirements. They are designed to familiarise customers with the use and programming of IMO intelligent products. Each module is usually based on one product range.
To find out more about IMO bespoke training courses,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



For the Wholesale Marketplace

High visibility branding...

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.

control centre Trade displays...

Our dedicated Point of Sale catalogue show the trade specific merchandising stands and product which can be found in over 600 trade counters in the UK, not to mention overseas.

Products for the Point of Sale range come blister-packed for easy display in a retail environment, and specifically appropriate not only for our stands, but also for slatwall displays.

The NEW Point of Sale catalogue is now available. Please contact IMO to place your order.

If you would like an IMO Point of Sale merchandising stand in your trade counter, please contact our POS Team on 01707 414444 for more information.

IMO proudly support 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.

IMO & YOU

The perfect partnership!

Product 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 product group codes for each product grouping. Alike products are grouped together for ease of identification, and this is denoted at the top of each new product grouping page throughout this catalogue as illustrated below. Product group information can also be found next to each entry on the Product Index for easy reference.

PRODUCT GROUP 115	PRODUCT GROUP 116	PRODUCT GROUP 126	PRODUCT GROUP 144	PRODUCT GROUP 145	PRODUCT GROUP 109	PRODUCT GROUP 101	PRODUCT GROUP 396

Product Index

Panel Product Range **p.6-35**

PRODUCT GROUP **115** Push Buttons, Rotary Knobs & Pilot Lights..... p.8-9
PRODUCT GROUP **144** Enclosures..... p.9-10
PRODUCT GROUP **101** Timers (DIN Rail Mountable, Panel Mountable & Plug-In)..... p.11
PRODUCT GROUP **115** Motor Starters..... p.11
PRODUCT GROUP **116** AC Isolators..... p.12-13
PRODUCT GROUP **145** MCBs, UL MCBs, RCCBs & RCBOs..... p.14-19
PRODUCT GROUP **124** Surge Protection Devices..... p.19
PRODUCT GROUP **115** Motor Circuit Breakers..... p.20
PRODUCT GROUP **115** Modular Heating & Lighting Contactors..... p.21
PRODUCT GROUP **115** Contactors & Thermal Overload Relays..... p.21-25
PRODUCT GROUP **104** Foot Switches & Cam Switches..... p.26-27
PRODUCT GROUP **126** DIN Rail Terminals..... p.28-30
PRODUCT GROUP **108** Industrial Power Relays & Plug-In Relays..... p.30-32
PRODUCT GROUP **105** Sockets for Industrial Plug-In Relays..... p.32-33
PRODUCT GROUP **142** Single & Three Phase Power Supplies..... p.34
PRODUCT GROUP **107** Level Detection..... p.35

AC Variable Speed Drives Product Range **p.36-41**

PRODUCT GROUP **394** Jaguar VXT AC Variable Speed Drive..... p.38
PRODUCT GROUP **396** SD1 AC Variable Speed Drive..... p.39
PRODUCT GROUP **396** HD1 AC Variable Speed Drive..... p.40
PRODUCT GROUP **396** HD2 AC Variable Speed Drive..... p.41

Automation Product Range **p.42-55**

PRODUCT GROUP **132** XGB Programmable Logic Controllers..... p.44-45
PRODUCT GROUP **140** iView Advanced HMI..... p.46
PRODUCT GROUP **147** i3 Intelligent Control Station..... p.47-48
PRODUCT GROUP **147** Remote I/O..... p.49
PRODUCT GROUP **147** i3 Remote Machine Interface..... p.49
PRODUCT GROUP **148** iSmart Intelligent Relays..... p.50
PRODUCT GROUP **125** SignalConditioning..... p.51
PRODUCT GROUP **109** Capacitive & Ultrasonic Sensors..... p.51
PRODUCT GROUP **109** Photoelectric Sensors..... p.52
PRODUCT GROUP **110** Proximity Sensors..... p.53
PRODUCT GROUP **104** LimitSwitches..... p.54
PRODUCT GROUP **104** Safety Limit Switches..... p.55

Solar Product Range **p.56-63**

PRODUCT GROUP **119** FireRaptor - Solar Panel Rapid Shutdown Solution..... p.58-59
PRODUCT GROUP **117** TRUE DC Solar Isolators..... p.60-61
PRODUCT GROUP **144** Distribution Boxes..... p.61
PRODUCT GROUP **147** Solar Cube - Solar Tracking & Measurement Controller..... p.62-63

EV Charging Product Range **p.64-67**

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.

Push Buttons, Pilot Lights, Lens Caps & Contact Blocks

See page 8-9

Our comprehensive range of modular 22.5mm 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.

Stop Stations, Enclosures, Distribution & Junction Boxes

See page 9-10

IMO pushbutton enclosures are available either on their own or complete with an emergency stop button and contact block for immediate commissioning. Enclosures can be used with virtually all available pushbuttons, pilot lights and rotary knobs and switches and are available in either grey or yellow for greater visibility. Terminal Junction Boxes are supplied with cable entry glands and sealing plugs.

Timers

See page 11

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.

AC Isolators

See page 12-13

Our AC Isolators with switching capabilities up to 125A, both in 3 and 4 Poles. Different mounting types include: Panel Mount, DIN Rail Mount and Enclosed.

MCBs, RCDs, Motor Circuit Breakers & Surge Protection

See page 14-20

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.

Contactors & Overloads

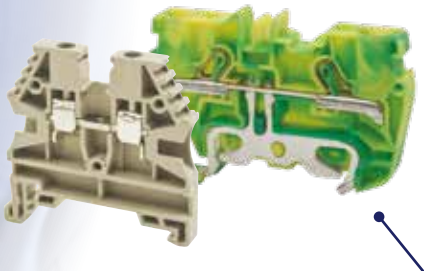
See page 21-25

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

Cam Switches & Foot Switches

See page 26-27

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.



DIN Rail Terminals

See page 28-30

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

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 ot plug-in via a dedicated socket

Power Supplies

See page 34

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

PRODUCT 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
BS3P44S3	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
B3SATT0	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

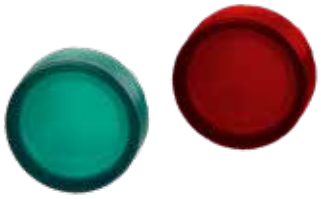
Part Number	Description
B3T01	1NC Clips onto B3S & B3M
B3T10	1NO Clips onto B3S & B3M
B4TU11	1NO & 1NC for BG Enclosures
B4TU10F	1NO with Lamp Holder for BG Enclosures
B4TU10	1NO for BG Enclosures
B4TU02	2NC for BG Enclosures
B4TU20	2NO for BG Enclosures
B3S*	Panel Mounting Collar

* 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 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

PRODUCT GROUP
144

Distribution Boxes, Enclosures *& Accessories*

IP66/55 Terminal Junction Boxes

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

Part Number	Description
TB30C	7xM20 Entry (88 x 88 x 53mm)
TB31C	7xM25 Entry (98 x 98 x 61mm)
TB32C	6xM25/32 & 4xM25 Entry (119 x 139 x 70mm)
TB33C	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
144E0001	Opaque ABS (75 x 125 x 75mm)
144E0002	Opaque ABS (125 x 125 x 75mm)
144E0003	Opaque ABS (125 x 125 x 100mm)
144E0004	Opaque ABS (125 x 175 x 75mm)
144E0005	Opaque ABS (125 x 175 x 100mm)
144E0006	Opaque ABS (125 x 175 x 125mm)
144E0007	Opaque ABS (175 x 175 x 100mm)
144E0008	Opaque ABS (175 x 175 x 125mm)
144E0009	Opaque ABS (175 x 175 x 150mm)
144E0010	Opaque ABS (175 x 250 x 100mm)
144E0011	Opaque ABS (175 x 250 x 150mm)

High-Impact Transparent Lid Enclosures

IP66 - IP67 Rating
ABS Base
Polycarbonate Transparent Lid

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

Relay & Contactor Enclosures

IP65 Rated

Part Number	Description
P1M	With DIN Rail (89 x 180 x 101mm)
P1MT	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
144E1001	Opaque ABS (53 x 55 x 36mm)
144E1002	Opaque ABS (80 x 82 x 56mm)
144E1003	Opaque ABS (80 x 120 x 56mm)
144E1004	Opaque ABS (80 x 120 x 86mm)
144E1005	Opaque ABS (80 x 160 x 56mm)
144E1007	Opaque ABS (120 x 122 x 86mm)
144E1008	Opaque ABS (120 x 200 x 86mm)
144E1009	Opaque ABS (160 x 240 x 121mm)
144E1010	Opaque ABS (230 x 300 x 111mm)
144E1015	Opaque ABS (300 x 400 x 132mm)
144E2002	Transparent Lid ABS (125 x 125 x 75mm)
144E2003	Transparent Lid ABS (125 x 175 x 100mm)
144E2004	Transparent Lid ABS (125 x 175 x 150mm)

Enclosure Accessories

Part Number	Description
E-LOCK	Barrel Lock to suit E-xxW Distribution Boxes
144A0001	Hinge Pair
144R0001	DIN Rail for 144E0001
144R0002	DIN Rail for 144E0002/3
144R0004	DIN Rail for 144E0004/5/6/7/8/9
144R0010	DIN Rail for 144E0010/11

PRODUCT GROUP
115

Motor Starters

Plastic enclosed DOL Starters & Star Delta Starters

Enclosed DOL Starter IP65

Plastic enclosure

Part Number	Description
DOL10230*	DOL 4kW 10A Start & Stop 230VAC
DOL10400*	DOL 4kW 10A Start & Stop 400VAC
DOL10110*	DOL 4kW 10A Start & Stop 110VAC
DOL18230*	DOL 7.5kW 10A Start & Stop 230VAC
DOL18400*	DOL 7.5kW 10A Start & Stop 400VAC
DOL18110*	DOL 7.5kW 10A Start & Stop 110VAC

* Overload = U12/16E..-MC

Star Delta Starter

Part Number	Description
MC-YN15M24AC	Star Delta Starter 15kW 30A 24VAC
MC-YN15M24DC	Star Delta Starter 15kW 30A 24VDC
MC-YN15M110AC	Star Delta Starter 15kW 30A 110VAC
MC-YN15M230AC	Star Delta Starter 15kW 30A 230AC
MC-YN15M400AC	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).

PRODUCT GROUP
101

DIN Rail Mountable, Panel Mount & Plug-In Timers

DIN Rail Mountable Timers

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

Plug-In Timers

Part Number	Description
TY4-12DC	14 Pin On Delay 0.1s-100h 12VDC
TY4-24DC	14 Pin On Delay 0.1s-100h 24VAC/DC
TY4-24AC	14 Pin On Delay 0.1s-100h 24VAC
TY4-115AC	14 Pin On Delay 0.1s-100h 115VAC
TY4-230AC	14 Pin On Delay 0.1s-100h 230VAC

Panel Mount Timers

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

PRODUCT 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

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)

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

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 *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.

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

PRODUCT GROUP
145

MCBs, RCCBs, RCBOs, 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 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 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 + 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

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 **Type AC***

Manufactured in accordance with
IEC 61008-1

Part Number	Description
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

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

Manufactured in accordance with
IEC 61008-1

Part Number	Description
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

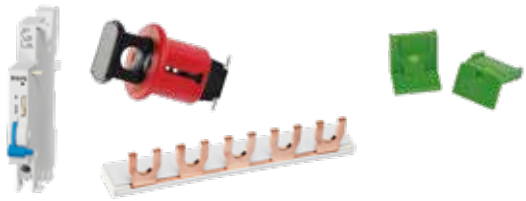
*10kA RCCB 30mA **Type B***

Manufactured in accordance with
IEC 61008-1 & IEC 62423

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

* Type A 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)
B10BB1F100-1M	MCB Busbar 1P 80 Amp 1m Fork Type
B10BB3F100-1M	MCB Busbar 3P 80 Amp 1m Fork Type
B10BB1P100-1M	MCB Busbar 1P 80 Amp 1m Pin Type
B10BB3P100-1M	MCB Busbar 3P 80 Amp 1m Pin Type
B10BBCAP1	End Cap for 1P Busbar
B10BBCAP3	End Cap for 3P Busbar
BR6-S2	Shunt Trip 400/230/110VAC
BR6-U2-02	Under/Over Voltage Trip 170V<230V>280V

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

Manufactured in accordance with IEC 61009

CE

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

CE

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

CE

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

CE

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

CE

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.

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 UB10**C**1001A becomes UB10**D**1001A.
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 US10**C**2001A becomes US10**B**2001A for B Curve, or US10**D**2001A for D Curve.

PRODUCT GROUP
124

Type 2/3 Surge Protection Devices

SPDS Compact Single Module SPD

Protects all earthing systems -
TN, TT, IT
Suitable for 20kA & 40kA systems

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

* Available from stock

SPD2 Standard SPD

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

PRODUCT 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

PRODUCT GROUP
115

Modular Heating & Lighting Contactors

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

20A AC1 AC Coil Single Module

Part Number	Description
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

25A AC1 AC Coil Double Module

Part Number	Description
HC25-04230	4 Pole NC 230V
HC25-0424	4 Pole NC 24V
HC25-40230	4 Pole NO 230V
HC25-4024	4 Pole NO 24V

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

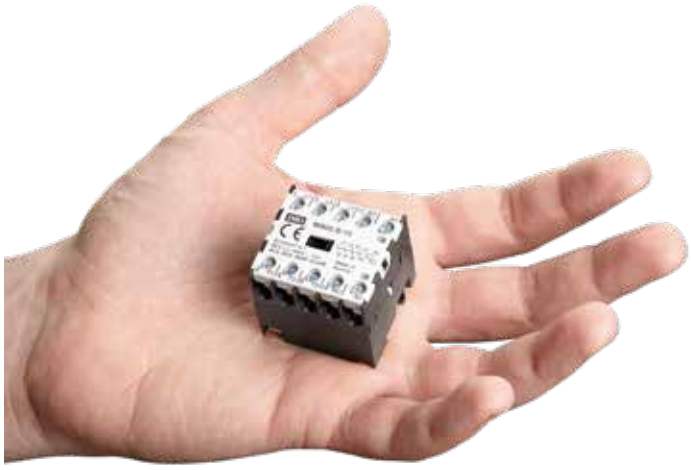
NOTE: Other variations of NO & NC Poles available. Please contact IMO.

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

PRODUCT GROUP
115

Micro Contactors

Relay-sized contactor making it the World's Smallest



Probably the smallest contactor 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	3 Pole NO 12A AC1 Aux. 1NC 110VAC
MA05-S-0124AC	3 Pole NO 12A AC1 Aux. 1NC 24VAC
MA05-S-10110AC	3 Pole NO 12A AC1 Aux. 1NO 110VAC
MA05-S-10230AC	3 Pole NO 12A AC1 Aux. 1NO 230VAC
MA05-S-0124DC	3 Pole NO 12A AC1 Aux. 1NC 24VDC
MA05-S-1024DC	3 Pole NO 12A AC1 Aux. 1NO 24VDC

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

PRODUCT GROUP
115

Contactors 4~400kW *& Accessories*

High reliability contactors, interlocks and thermal overload relays

4kW 9A AC3 Mini Contactor

Screw terminals option
Solder pins option
Fast on tab connection option

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

* 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	3 Pole NO Aux. 1NC 24VDC*
MB12-S-10110	3 Pole NO Aux. 1NO 110VAC*
MB12-S-10230	3 Pole NO Aux. 1NO 230VAC*
MB12-S-1024	3 Pole NO Aux. 1NO 24VAC*
MB12-S-10=24	3 Pole NO Aux. 1NO 24VDC*

* Overload = U12/16E...K1

AC3 DC Operated Contactor

Low power consumption
3W inrush-sealed

Part Number	Description
MCD10-S-00-4024DC	4 Pole NO 4kW 10A 24VDC
MCD10-S-10=24	3 Pole NO 4kW 10A Aux. 1NO 24VDC
MCD14-S-10=24	3 Pole NO 5.5kW 14A Aux. 1NO 24VDC
MCD18-S-10=24	3 Pole NO 7.5kW 18A Aux. 1NO 24VDC
MCD22-S-10=24	3 Pole NO 11kW 22A Aux. 1NO 24VDC
MCD32-S-00=24	3 Pole NO 15kW 24VDC
MCD40-S-00=24	3 Pole NO 18.5kW 24VDC

4kW 10A AC3 Contactor

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

Part Number	Description
MC10N-S-00-22110AC	Relay Contactor 4 Pole (2NO/2NC) 110VAC
MC10N-S-00-2224AC	Relay Contactor 4 Pole (2NO/2NC) 24VAC
MC10N-S-00-40110AC	4 Pole NO 110VAC*
MC10N-S-00-40230AC	4 Pole NO 230VAC*
MC10N-S-00-4024AC	4 Pole NO 24VAC*
MC10N-S-0031110AC	3 Pole NO + 1 Pole NC 110VAC*
MC10N-S-01110AC	3 Pole NO Aux. 1NC 110VAC*
MC10N-S-01230AC	3 Pole NO Aux. 1NC 230VAC*
MC10N-S-0124AC	3 Pole NO Aux. 1NC 24VAC*
MC10N-S-0124DC	3 Pole NO Aux. 1NC 24VDC*
MC10N-S-01400AC	3 Pole NO Aux. 1NC 400VAC*
MC10N-S-10110AC	3 Pole NO Aux. 1NO 110VAC*
MC10N-S-10230AC	3 Pole NO Aux. 1NO 230VAC*
MC10N-S-1024AC	3 Pole NO Aux. 1NO 24VAC*
MC10N-S-1024DC	3 Pole NO Aux. 1NO 24VDC*
MC10N-S-10400AC	3 Pole NO Aux. 1NO 400VAC*

* 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-00-4024AC	4 Pole NO 24VAC*
MC14N-S-01110AC	3 Pole NO Aux. 1NC 110VAC*
MC14N-S-01230AC	3 Pole NO Aux. 1NC 230VAC*
MC14N-S-0124AC	3 Pole NO Aux. 1NC 24VAC*
MC14N-S-0124DC	3 Pole NO Aux. 1NC 24VDC*
MC14N-S-10110AC	3 Pole NO Aux. 1NO 110VAC*
MC14N-S-10230AC	3 Pole NO Aux. 1NO 230VAC*
MC14N-S-1024AC	3 Pole NO Aux. 1NO 24VAC*
MC14N-S-1024DC	3 Pole NO Aux. 1NO 24VDC*
MC14N-S-10400AC	3 Pole NO Aux. 1NO 400VAC*

* 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-00-40110AC	4 Pole NO 110VAC*
MC18N-S-00-40230AC	4 Pole NO 230VAC*
MC18N-S-00-4024AC	4 Pole NO 24VAC*
MC18N-S-01110AC	3 Pole NO Aux. 1NC 110VAC*
MC18N-S-01230AC	3 Pole NO Aux. 1NC 230VAC*
MC18N-S-0124AC	3 Pole NO Aux. 1NC 24VAC*
MC18N-S-0124DC	3 Pole NO Aux. 1NC 24VDC*
MC18N-S-01400AC	3 Pole NO Aux. 1NC 400VAC*
MC18N-S-10110AC	3 Pole NO Aux. 1NO 110VAC*
MC18N-S-10230AC	3 Pole NO Aux. 1NO 230VAC*
MC18N-S-1024AC	3 Pole NO Aux. 1NO 24VAC*
MC18N-S-1024DC	3 Pole NO Aux. 1NC 24VDC*
MC18N-S-10400AC	3 Pole NO Aux. 1NO 400VAC*
MC10N-S-1024AC	3 Pole NO Aux. 1NO 24VAC*
MC10N-S-1024DC	3 Pole NO Aux. 1NO 24VDC*
MC10N-S-10400AC	3 Pole NO Aux. 1NO 400VAC*

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

15kW 32A AC3 Contactor

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

Part Number	Description
MC32-S-00110	3 Pole NO 110VAC*
MC32-S-00230	3 Pole NO 230VAC*
MC32-S-0024	3 Pole NO 24VAC*
MC32-S-00400	3 Pole NO 400VAC*
MC32-S-00=24	3 Pole NO 24VDC*

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

11kW 22A AC3 Contactor

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

Part Number	Description
MC22N-S-00-40230AC	4 Pole NO 230VAC*
MC22N-S-01230AC	3 Pole NO Aux. 1NC 230VAC*
MC22N-S-10110AC	3 Pole NO Aux. 1NO 110VAC*
MC22N-S-10230AC	3 Pole NO Aux. 1NO 230VAC*
MC22N-S-1024AC	3 Pole NO Aux. 1NO 24VAC*
MC22N-S-1024DC	3 Pole NO Aux. 1NO 24VDC*
MC22N-S-10400AC	3 Pole NO Aux. 1NO 400VAC*

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

11kW 24A AC3 Contactor

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

Part Number	Description
MC24-S-00110	3 Pole NO 110VAC*
MC24-S-00230	3 Pole NO 230VAC*
MC24-S-0024	3 Pole NO 24VAC*
MC24-S-00400	3 Pole NO 400VAC*
MC24-S-00=24	3 Pole NO 24VDC*

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

18.5kW 40A AC3 Contactor

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

Part Number	Description
MC40-S-00110	3 Pole NO 110VAC*
MC40-S-00230	3 Pole NO 230VAC*
MC40-S-0024	3 Pole NO 24VAC*
MC40-S-00400	3 Pole NO 400VAC*
MC40-S-00=24	3 Pole NO 24VDC*

* Overload = MCOR-2...

22kW 50A AC3 Contactor

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

Part Number	Description
MC50-S-00110	3 Pole NO 110VAC*
MC50-S-00230	3 Pole NO 230VAC*
MC50-S-0024	3 Pole NO 24VAC*
MC50-S-00=24	3 Pole NO 24VDC*

* Overload = MCOR-3...

37kW 74A AC3 Contactor

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

Part Number	Description
MC74-S-00110	3 Pole NO 110VAC*
MC74-S-00230	3 Pole NO 230VAC*
MC74-S-00400	3 Pole NO 400VAC*

* Overload = MCOR-3...

55kW 115A AC3 Contactor

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

Part Number	Description
MC115-S-00110	3 Pole NO 110-120V 50/60Hz 100VDC*
MC115-S-00230	3 Pole NO 220-240V 50/60Hz 220VDC*

* Overload = MCOR-4...

30kW 62A AC3 Contactor

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

Part Number	Description
MC62-S-00110	3 Pole NO 110VAC*
MC62-S-00230	3 Pole NO 230VAC*
MC62-S-0024	3 Pole NO 24VAC*
MC62-S-00400	3 Pole NO 400VAC*
MC62-S-00=24	3 Pole NO 24VDC*

* Overload = MCOR-3...

45kW 90A AC3 Contactor

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

Part Number	Description
MC90-S-00110	3 Pole NO 110-120V 50/60Hz 110VAC*
MC90-S-00230	3 Pole NO 220-240V 50/60Hz 220VDC*

* Overload = MCOR-4...

Capacitor Switching Contactor

For reactive or non-reactive
capacitor banks

Part Number	Description
MC18N-K-10400AC	12.5kVar 1NO Aux. 400VAC
MC32-K-00110	25kVar 110VAC
MC32-K-00230	25kVar 230VAC
MC32-K-00400	25kVar 400VAC
MC50-K-00400	33.3kVar 400VAC
MC62-K-00110	50kVar 110VAC
MC62-K-00230	50kVar 230VAC
MC62-K-00400	50kVar 400VAC
MC74-K-00230	75kVar 230VAC
MC74-K-00400	75kVar 400VAC
MC115-K-00230	100kVar 230VAC 50/60Hz

PRODUCT GROUP
115

Contact Blocks, Interlocks, Coils & Thermal Overload Relays

Auxiliary components & accessories to complement IMO contactors

Contact Blocks & Interlocks

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

MC10 to MC22 Contactor Coils

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

Contactor Accessories

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

Thermal Overload Relays

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

PRODUCT GROUP
104

Unshrouded & Shrouded Foot Switches *& Accessories*
Including Joining Kits, Carrying Rods & Stabilizing Plates

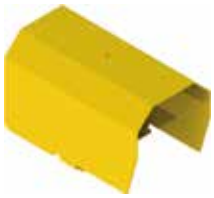
UFS Unshrouded Foot Switches

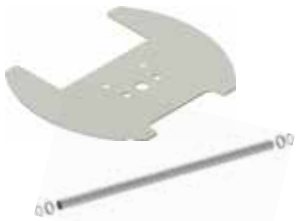
3xPG13.5 Gland Entries
with all models

CE

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

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-K1t29)
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-K1T20
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

SFS Shrouded Foot Switches

3xPG13.5 Gland Entries
with all models
M20 Option

CE

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

Contact Blocks

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

CE

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

PRODUCT 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

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

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

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

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

PRODUCT 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	2.5mm² 750V 24 Amp (Pack size 100pcs)
ER4	4mm² 750V 32 Amp (Pack size 100pcs*)
ER6	6mm² 630V 41 Amp (Pack size 100pcs*)
ER10	10mm² 630V 57 Amp (Pack size 100pcs)
ER16	16mm² 750V 76 Amp (Pack size 50pcs)
ER16P	16mm² 750V 76 Amp (Pack size 50pcs)
ER25P	25mm² 750V 101 Amp (Pack size 50pcs)
ER35P	35mm² 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	50mm² 1000V 150 Amp (Pack size 25pcs)
ER70	70mm² 1000V 192 Amp (Pack size 10pcs)
ER95	95mm² 1000V 232 Amp (Pack size 6pcs)
ER150	150mm² 1000V 309 Amp (Pack size 4pcs)
ER240	240mm² 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	16mm² 1000V 85 Amp (Pack size 50pcs)
ER35PV	35mm² 1000V 115 Amp (Pack size 40pcs)
ER50PV	50mm² 1000V 150 Amp (Pack size 25pcs)
ER70PV	70mm² 1000V 175 Amp (Pack size 25pcs)

Screw Clamp Earth Terminals

Green/Yellow Only

Part Number	Description
ERPE2.5P	2.5mm² (Pack size 50pcs)
ERPE2.5/4	4mm² (Pack size 50pcs)
ERPE6/10	6mm² (Pack size 25pcs)
ERPE16P	16mm² (Pack size 25pcs)
ERPE35P	35mm² (Pack size 1pc)

Screw Clamp High-Current Terminals

Available Colours (Beige as standard)

Part Number	Description
ERB95	95mm² 1000V 232 Amp (Pack size 4pcs)
ERB150	150mm² 1000V 309 Amp (Pack size 4pcs)
ERB240	240mm² 1000V 415 Amp (Pack size 4pcs)

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

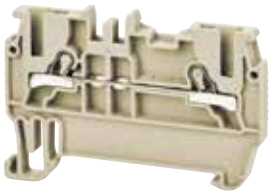
Screw Clamp High-Current Accessories

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 or contact IMO for more information and pricing.

Push Fit Terminals



Available Colours (Beige as standard)

Part Number	Description
PF1.5	1.5mm² 800V 17.5 Amp (Pack size 100pcs)
PF2.5	2.5mm² 800V 24 Amp (Pack size 100pcs)
PF4	4mm² 800V 32 Amp (Pack size 100pcs*)
PF6	6mm² 800V 41 Amp (Pack size 100pcs*)
PF10	10mm² 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	2.5mm² 500V 24 Amp (Pack size 40pcs)
PFD2.5V	2.5mm² 500V 24 Amp (Pack size 40pcs)
PFD4	4mm² 500V 32 Amp (Pack size 25pcs)

Push Fit Earth Terminals

Green/Yellow Only

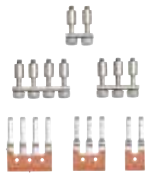
Part Number	Description
PFPE1.5P	1.5mm² (Pack size 80pcs)
PFPE2.5P	2.5mm² (Pack size 50pcs)
PFPE4P	4mm² (Pack size 50pcs)
PFPE6P	6mm² (Pack size 60pcs)
PFPE10P	10mm² (Pack size 25pcs)

Fuse Push Fit Terminals

Available Colours (Beige as standard)

Part Number	Description
PFF4LD520-24VDC	4mm² 24VDC 10 Amp (Pack size 15pcs)
PFF4LD520-220VAC	4mm² 220V 10 Amp (Pack size 15pcs)
PFF4LD525-24VDC	4mm² 24VDC 10 Amp (Pack size 15pcs)
PFF4LD525-220VAC	4mm² 220V 10 Amp (Pack size 15pcs)
PFF3	4mm² 500V 10 Amp (Pack size 15pcs)
PFF3LD-24VDC	4mm² 24VDC 10 Amp (Pack size 15pcs)
PFF3LD-220VAC	4mm² 220V 10 Amp (Pack size 15pcs)

Cross Connections

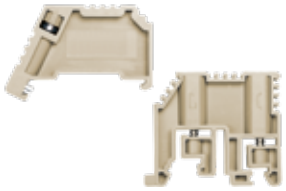


Available in 2, 3, 4 & 10
Configurations
Sold in Pack of 5 Pieces

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.

End Brackets

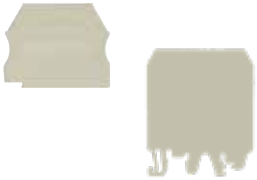


Supplied in Beige As Standard
(Other Colours Available)
Sold in Pack of 100 Pieces
(ES6 Sold in Pack of 50 Pieces)

CE

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)

CE

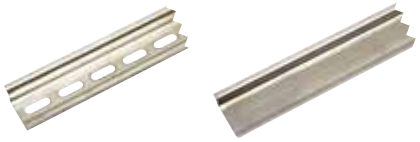
Part Number	Description
EP2.5-10	Polyamide 66 For Use With ER2.5 - ER10
EP16	Polyamide 66 For Use With ER16
EP25P	Polyamide 66 For Use With ER25P
EP50	Polyamide 66 For Use With ER50 - ER240

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-UNSLOT	1m Unslotted Electrolytic Zinc Coated
DINRAIL2M-UNSLOT	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.

For the complete range of
DIN Rail Terminals,
go to www.imopc.com
and download the catalogue

QR CODE SCAN ME

PRODUCT 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

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

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

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

HYE Plug-In Relays 2/3/4PCO

Plug-In
2, 3 & 4 Pole Changeover

Part Number	Description
2 Pole Changeover Versions (2PCO)	
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
3 Pole Changeover Versions (3PCO)	
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
4 Pole Changeover Versions (4PCO)	
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

RSE Relays 2PCO 8 Pins / 3PCO 11 Pins

Plug-In Mount
2 Pole Changeover / 3 Pole Changeover

Part Number	Description
2 Pole Changeover Versions (2PCO) - 8 Pins	
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
3 Pole Changeover Versions (3PCO) - 11 Pins	
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

PRODUCT GROUP
105

Relay Sockets for Power Relays & Plug-In Modules

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
8 Pin Version	
SRPE8*	For RSE2 Relays T35 DIN/Panel Mount
SRRE8	For RSE2 Relays T35 DIN/Panel Mount
11 Pin Version	
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)

Relay Sockets for Power Relays & Plug-In Modules

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)

For Miniature Power Relays

Part Number	Description
5 Pin Version	
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
8 Pin Version	
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

Relay Socket Plug-In Modules

Part Number	Description
For SRNE2-D/S, SRNE3-D, SRNE4-D/S, SRNE3-S/T, SRNE5-S/T	
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
For SRR8-M, SRR11-M	
RPDME1	6-220 VDC Diode -A1 to +A2

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)

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

PRODUCT GROUP
142

Single & Three Phase Power Supplies

Universal Input Voltage, High Efficiency, DIN Rail Mountable

DPS-1 Single Phase PSU

Part Number	Description
Plastic Body	
DPS-1-015-5DC	90-264VAC 3 Amp 15W 5VDC
DPS-1-018-12DC	90-264VAC 1.5 Amp 18W 12VDC
DPS-1-018-24DC	90-264VAC 0.75 Amp 18W 24VDC
DPS-1-030-5DC	85-264VAC 6 Amp 30W 5VDC
DPS-1-030-12DC	85-264VAC 2.5 Amp 30W 12VDC
DPS-1-030-24DC	85-264VAC 1.25 Amp 30W 24VDC
DPS-1-030-48DC	85-264VAC 0.625 Amp 30W 48VDC
DPS-1-050-5DC	85-264VAC 10 Amp 50W 5VDC
DPS-1-060-12DC	85-264VAC 5 Amp 60W 12VDC
DPS-1-060-24DC	85-264VAC 2.5 Amp 60W 24VDC
DPS-1-060-48DC	85-264VAC 1.25 Amp 60W 48VDC
Metal Body	
DPS-1-100-12DC	115/230VAC 8.4 Amp 100W 12VDC
DPS-1-100-24DC	115/230VAC 4.2 Amp 100W 24VDC
DPS-1-100-48DC	115/230VAC 2.1 Amp 100W 48VDC
DPS-1-120-12DC	115/230VAC 10 Amp 120W 12VDC
DPS-1-120-24DC	115/230VAC 5 Amp 120W 24VDC
DPS-1-120-48DC	115/230VAC 2.5 Amp 120W 48VDC
DPS-1-240-24DC	115/230VAC 10 Amp 240W 24VDC
DPS-1-240-48DC	115/230VAC 5 Amp 240W 48VDC
DPS-1-300-24DC	115/230VAC 12.5 Amp 300W 24VDC
DPS-1-300-48DC	115/230VAC 6.25 Amp 300W 48VDC
DPS-1-480-24DC	115/230VAC 20 Amp 480W 24VDC
DPS-1-480-48DC	115/230VAC 10 Amp 480W 48VDC

DPS-3 Three Phase PSU

Part Number	Description
Metal Body	
DPS-3-120-12DC	340-575VAC 10 Amp 120W 12VDC
DPS-3-120-24DC	340-575VAC 5 Amp 120W 24VDC
DPS-3-240-24DC	340-575VAC 10 Amp 240W 24VDC
DPS-3-240-48DC	340-575VAC 5 Amp 240W 48VDC
DPS-3-480-24DC	340-575VAC 20 Amp 480W 24VDC
DPS-3-480-48DC	340-575VAC 10 Amp 480W 48VDC
DPS-3-960-24DC	340-575VAC 40 Amp 960W 24VDC
DPS-3-960-48DC	340-575VAC 20 Amp 960W 48VDC

BPS-1 Single Phase Slimline PSU

Part Number	Description
Plastic Body	
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
Metal Body	
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

MPS-1 Single Phase Modular PSU

Part Number	Description
Plastic Body	
MPS-1-007-5DC	90-264VAC 1.5 Amp 7.5W 5DC
MPS-1-015-5DC	90-264VAC 3 Amp 15W 5DC
MPS-1-022-5DC	90-264VAC 4.5 Amp 22W 5DC
MPS-1-035-5DC	90-264VAC 7 Amp 35W 5DC
MPS-1-060-5DC	90-264VAC 12 Amp 60W 5DC
MPS-1-010-12DC	90-264VAC 0.83 Amp 10W 12DC
MPS-1-024-12DC	90-264VAC 2 Amp 24W 12DC
MPS-1-033-12DC	90-264VAC 2.75 Amp 33W 12DC
MPS-1-054-12DC	90-264VAC 4.5 Amp 54W 12DC
MPS-1-072-12DC	90-264VAC 6 Amp 72W 12DC
MPS-1-010-24DC	90-264VAC 0.42 Amp 10W 24DC
MPS-1-024-24DC	90-264VAC 1 Amp 24W 24DC
MPS-1-036-24DC	90-264VAC 1.5 Amp 36W 24DC
MPS-1-060-24DC	90-264VAC 2.5 Amp 60W 24DC
MPS-1-100-24DC	90-264VAC 4.8 Amp 100W 24DC

PRODUCT GROUP
107

Level Detection

DIN Rail Mountable Level Monitoring of Conductive Liquids

Fluid Level Monitoring Relay

On Delay & Off Delay
Multifunction
Width 35mm

Part Number	Description
WLC-230VAC	230VAC 1250VA AC1 @ 250VAC

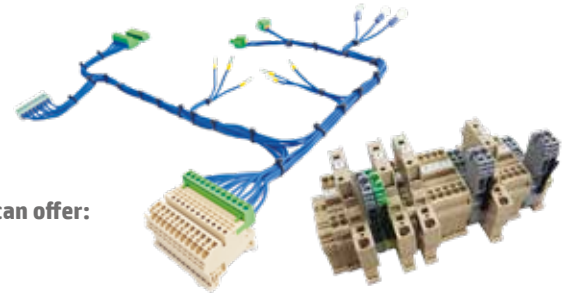
Probe for Level Monitoring

Fully Insulated Stainless Steel
Operating Temperatures
Up To 60°C

Part Number	Description
SK1-140	Insulated Probe 1 x 140mm

Value Added
ASSEMBLY

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 volue 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.

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 it's 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 - XKL, SD1, HD2 and the new HD2IP IP55 rated AC Variable Speed Drives. The SD1 is similar in features to the iDrive2 range, except it also 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 38

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.

5 YEAR WARRANTY

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 39

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 40

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 41

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.

PRODUCT 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 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

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

NOTE: Ratings displayed above related to use with Pumps & Fans. For General Purpose & Heavy Duty ratings, please visit 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.

PRODUCT 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

PRODUCT 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 Comunication 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.

PRODUCT GROUP
396

HD2IP IP55 AC Variable Speed Drives *& Accessories*

AC Variable Speed Drives (4kW ~ 110kW)

HD2IP Three-Phase 400V

IP55 Rated

3 YEAR WARRANTY

CE

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

Modbus WiFi

CANopen

PROFIBUS PROFINET

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

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.

Programmable Logic Controllers

See page 44-45

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.

Human Machine Interfaces

See page 46

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 480 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 47-49

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.

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

Signal Conditioning

See page 51

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 51-53

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.

Limit Switches

See page 54

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 55

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.

PRODUCT GROUP
132

XGB Programmable Logic Controllers *& Accessories*

Compact design, increased functionality & high speed processing

XBM PLC

Part Number	Description
XBM-DR16S	8 DI, 8 RO (2A), 24 VDC
XBM-DN32S[1]	16 DI, 16 DO (0.2A), 24 VDC

[1] 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[2]	14 bit
Analogue Output Resolution[3]	14 bit
PID Control	Yes
Programming Languages	Ladder
High Speed Inputs	Yes
Positioning	Yes

[2] Model dependant
[3] When using analogue expansion units

XBC PLC

Part Number	Description
XBC-DR32H	16 DI, 16 RO (2A), 100-240 VAC
XBC-DR32H/DC	16 DI, 16 RO (2A), 24 VDC
XBC-DR64H	32 DI, 32 RO (2A), 100-240 VAC
XBC-DR64H/DC	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[4]	14 bit
Analogue Output Resolution[5]	14 bit
PID Control	Yes
Programming Languages	Ladder
High Speed Inputs	Yes
Positioning	Yes

[4] Model dependant
[5] When using analogue expansion units

XEC PLC

Part Number	Description
XEC-DR32H	16 DI, 16 RO (2A), 100-240 VAC
XEC-DR32H/DC-E[1]	16 DI, 16 RO (2A), 24 VDC
XEC-DR64H	32 DI, 32 RO (2A), 100-240 VAC
XEC-DR64H/DC-E[1]	32 DI, 32 RO (2A), 24 VDC

NOTE: Please contact IMO to order transistor output versions
[1] 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[2]	14 bit
Analogue Output Resolution[3]	14 bit
PID Control	Yes
Programming Languages	IEC 61131
High Speed Inputs	Yes
Positioning	Yes

[2] Model dependant
[3] When using analogue expansion units

XGB U PLC

Dual Port Ethernet
Max. 352 I/O point control

Part Number	Description
XBC-DN(P)32U[1]	16 DI, 16 DO (0.2A)
XBC-DR28U	16 DI, 12 RO (2A)
XEC-DR28U	16 DI, 16 DO (0.2A)
XEC-DR28U/DC	16 DI, 12 RO (2A)

[1] 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[2]
Analogue Input Resolution[2]	1/16000
Analogue Output Resolution[3]	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[2]
Analogue Input Resolution[2]	1/16000
Analogue Output Resolution[3]	1/16000
PID Control	Yes
Programming Languages	IEC 61131
High Speed Inputs	8
Positioning	Yes

[2] Model dependant
[3] Applies only to models with analogue Input/Output

Accessories & Expansion

Part Number	Description
Expansion Units	
XBE-DC08A	Exp. Module 8DI, 24V Input
XBE-DC16B	Exp. Module 16 DI, 24V Input
XBE-DC32A[4]	Exp. Module 32 DI, 24V Input
XBE-RY16A	Exp. Module 16 Relay Output
XBE-TN08A	Exp. Module 8 Trans Output (sink)
XBE-TN16A	Exp. Module 16 Trans Output (sink)
XBE-TN32A[4]	Exp. Module 32 Trans Output (sink)
XBE-TP08A	Exp. Module 8 Trans Ouput (source)
XBE-TP16A	Exp. Module 16 Trans Output (source)
XBE-TP32A[4]	Exp. Module 32 Trans Output (source)
XBE-DR16A	Exp. Module 8 DI, 8 RO, 24V Input
XBF-AD04A	Exp. Module 4 AI, 24V Input
XBF-AD04C	Exp. Module 4 AI, 24V Input 16 bit Resolution
XBF-AD08A	Exp. Module 8 AI, 24V Input
XBF-AH04A	Exp. Module 2 AI, 2 AO Volt/Current
XBF-DV04A	Exp. Module 4 AO (volt)
XBF-DC04A	Exp. Module 4 AO (current)
XBF-RD04A	Exp. Module 4 PT100 Input
XBF-TC04S	Exp. Module 4 Thermocouple Input
XBL-EMTA	Ethernet Communication Module 10/100
XEL-BSSA	Smart I/O Modbus TCP Header, ENET I/O
XBF-PN08B	XGBU Network Positioning Module 8 Axis
XBF-LD02S	2 Channel Load Cell Input Module (for XGB)
XBF-PD02A	XGBU Positioning Module 2 Axis Line Driver Type
XBL-C21A	Comms. Module RS232
XBL-C41A	Comms. Module RS485/422
XBL-CMEA	Comms. Module CANopen Master I/F Module
XBL-CSEA	Comms. Module CANopen Slave I/F Module
XBL-PMEC	XGBU Comms. Module Profibus DP Master RS485
XBL-PSEA	XGBU Comms. Module Profibus DP Slave
Accessories	
PMC-310S	RS232 Programming Cable (XBM, XEC-H & XBC-H)
USB-301A	USB Programming Cable (XGB PLC to i3 Controllers)
XBC-XECBATTERY	Replacement Battery (XBC & XEC only)
XBO-M1024	XGB Memory Expansion 1Mb
TG7-1H40S	XBE Breakout Terminal Board 32 Points
PC501	USB to Serial Converter USB to RS232
Extension Cables	
R40H/20HH-05S-XBM3	0.5m Cable Link to suit XBE Terminal Board
R40H/20HH-10S-XBM3	1.0m Cable Link to suit XBE Terminal Board
C40HH-05SB-XBI	0.5m Cable Link to TG7-1H40S to XBE
C40HH-10SB-XBE	1.0m Cable Link to suit XBE Terminal Board
C40HH-10SB-XBI	1.0m Cable Link to TG7-1H40S to XBE
C40HH-20SB-XBI	2.0m Cable Link to suit XBE (XBE-DC32A/TP3/TN32A)

[4] Please contact IMO in order to correctly specify the required breakout cable and terminal boards

PRODUCT GROUP
140

iView Advanced HMI & Accessories

5 screen sizes, all with over 480 industry protocols included as standard

iView Advanced HMI E Series

IP66 Rated

Part Number	Description
IV204E-SOCP	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 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

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" Colur 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

Accessories & Software

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

See the difference with the iView Advanced HMI

IP66

Ingress Protection for Dust Proofing and Water Resistance

Integral Ethernet Port for remote connectivity

Plug in power terminal for easyfit

FTP

File transfer functionality allowing remote download

13 Al Aluminium

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 480 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.

PRODUCT GROUP
147

i³ Intelligent Control Station & Accessories

Integrated PLC, HMI and Openbus communications in one handy unit

Advantages of an Integrated Solution

IMO's i3 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 i³ 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

i³AL Lite Intelligent Control Station

IP65 Rated
2.2" Mono Screen

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

i³CL Lite Intelligent Control Station

IP65 Rated
4.3" Colour Screen

Part Number	Description
I3CL12Y/10D12-SEHF	12DI, 6RO, 2HSC Out, 4AI, 2AO, 4.3" Colour Screen
I3CL12Y/10D14-SEHF	12DI, 12DO, 2HSC Out, 4AI, 2AO, 4.3" Colour Screen

i³EL Lite Intelligent Control Station

IP65 Rated
7.0" Colour Screen

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

PRODUCT GROUP
147

i³ Intelligent Control Station & Accessories

Integrated PLC, HMI and Openbus communications in one handy unit

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, 4AOE Ethernet, Mini USB
I3BX12Y/13C14-SEHF	12DI, 12DO, 2UAI, 2AO, Ethernet, Mini USB
I3BX12Y/20B05-SEHF	24DI, 6RO, 2AI, Ethernet, Mini USB

i³CMini Intelligent Control Station

IP65 Rated
3.5" Colour Screen

Part Number	Description
I3CM12Y/10B04-SEHF	i³CM 12DI, 12DO, 2AI
I3CM12Y/10D03-SEHF	i³CM 12DI, 6DO (Relay), 3AI
I3CM12Y/13C14-SEHF	i³CM 12DI, 12DO, 2UAI*, 2AO
I3CM12Y/20B05-SEHF	i³CM 24DI, 16DO, 2AI
I3CM12Y/00000-SEHF	i³CM without I/O
I3CM12Y/10E24-SEHF	i³CM 12DI, 12DO, 6UAI*, 4AO

i³CX Intelligent Control Station

IP65 Rated
5.7" Colour Screen

Part Number	Description
I3CX12Z/10D03-SEHF	i³CX 12DI, 6DO (Relay), 4AI
I3CX12Z/20B05-SEHF	i³CX 24DI, 16DO, 2AI
I3CX12Z/13C14-SEHF	i³CX 12DI, 12DO, 2UAI*, 2AO
I3CX12Z/10E24-SEHF	i³CX 12DI, 12DO, 6UAI*, 4AO
I3CX12Z/00000-SEHF	i³CX without I/O

i³E Intelligent Control Station

IP65 Rated
7.0" Colour Screen

Part Number	Description
I3E14Z/10B04-SEHF	i³E 12DI, 12DO, 2AI
I3E14Z/10D03-SEHF	i³E 12DI, 6DO (Relay), 4AI
I3E14Z/13C14-SEHF	i³E 12DI, 12DO, 2UAI*, 2AO
I3E14Z/20B05-SEHF	i³E 24DI, 16DO, 2AI
I3E14Z/00000-SEHF	i³E without I/O
I3E14Z/10E24-SEHF	i³E 12DI, 12DO, 6UAI*, 4AO

i³DX Intelligent Control Station

IP65 Rated
10.4" Colour Screen

Part Number	Description
I3DX12Z/10D03-SEHF	i³DX 12DI, 6DO (Relay), 4AI
I3DX12Z/13C14-SEHF	i³DX 12DI, 12DO, 2UAI*, 2AO
I3DX12Z/10E24-SEHF	i³DX 12DI, 12DO, 6AI, 4AO
I3DX12Z/20B05-SEHF	i³DX 24DI, 16DO, 2AI
I3DX12Z/00000-SEHF	i³DX without I/O
I3DX12Z/10B04-SEHF	i³DX 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	Prorgamming Cable
I3-RL-BAT	Replacement Battery
I3-GPS	GPS Module RS232

PRODUCT GROUP
147

Remote I/O

Digital & Analogue I/O Modules for i³AX, i³BX, i³CX, i³CMini, i³DX, i³E, i³HX & XGB

IOS Remote I/O

Part Number	Description
IOS/M02OXA-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/M04OXA-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/M08OXV-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-RY2A	Smart I/O Modbus 16 RO 2A
GSL-RY2C	Smart I/O Modbus 16 RO 2A Removable Terminals

PRODUCT GROUP
147

i³ 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 *i³* RMI. Published directly from the *i³* Configurator, *i³* 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 *i³* Configurator environment, *i³* 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 *i³* RMI will truly change your world.

IoT - Internet of Things

Contributing to the global trend known as the Internet of Things (or IoT), our *i³* RMI instantly connects you to your automated applications. With *i³* 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.

i³ Configurator Configurability

You don't have to be a professional web developer to benefit from the remote-accessing capabilities for *i³* RMI. With i³ RMI, we've made accessing your *i³* controller as smooth and simple as possible, by putting the *i³* RMI configuration right within our standard programming software. Now *i³* Configurator allows you to create, monitor and control your *i³* application remotely without any manual HTML development.

i³RMI 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	*i³* File Transfer Software
I3PORTAL	*i³* Remote Oerator Software Single License

PRODUCT GROUP **148**

iSmart Intelligent Relays *& Accessories*

Cost-Effective Programmable Controllers for Process Automation Applications

iSmart Base Units with screen

Part Number	Description
SMT-ED-R12-V3	24VDC Smart Relay + HMI 8 DC In, 2A/D In, 4 RO
SMT-ED-R20-V3	24VDC Smart Relay + HMI 12 DI, 4 AI, 8 RO
SMT-ED-T12-V3	24VDC Smart Relay + HMI 6 DI, 2 AI, 4 Trans Out
SMT-ED-T20-V3	24VDC Smart Relay + HMI 12 DI, 4 AI, 8 Trans Out
SMT-ED12-R12-V3	12VDC Smart Relay + HMI 6 DI, 2 AI, 4 RO
SMT-ED12-R20-V3	12VDC Smart Relay + HMI 12 DI, 4 AI, 8 RO
SMT-EA-R10-V3	230VAC Smart Relay + HMI 6 DI (AC), 2 AI, 4 Trans Out
SMT-EA-R20-V3	230VAC Smart Relay + HMI 12 DI (AC), 4 AI, 8 Trans Out
SMT-EA24-R12-V3	24VAC Smart Relay + HMI 6 AC In, 4 RO
SMT-EA24-R20-V3	24VAC Smart Relay + HMI 12 AC In, 8 RO

iSmart Base Units with RS485

Part Number	Description
SMT-CD-R20-V3	24VDC Smart Relay + HMI 12 DI, 4 AI, 8 RO, Modbus
SMT-CD-T20-V3	24VDC Smart Relay + HMI 12 DI, 4 AI, 8 Trans Out, Modbus
SMT-CD12-R20-V3	12VDC Smart Relay + HMI 12 DI, 4 AI, 8 RO, Modbus

iSmart Base Units without screen

Part Number	Description
SMT-BD-R12-V3	24VDC Smart Relay 6 DI, 2 AI, 4 RO
SMT-BA-R20-V3	24VDC Smart Relay 12 DI, 4 AI, 8 RO
SMT-BD-T12-V3	24VDC Smart Relay 6 DI, 2 AI, 4 Trans Out
SMT-BD-T20-V3	24VDC Smart Relay 12 DI, 4 AI, 8 Trans Out
SMT-BA-R10-V3	230VAC Smart Relay 6 DI (AC), 4 RO
SMT-BA-R20-V3	230VAC Smart Relay 12 DI (AC), 8 RO

Accessories & Expansion

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

For the complete range of
Intelligent Relays,
go to www.imopc.com
and download the catalogue

QR CODE SCAN ME

PRODUCT 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[1]	Configurable Input & Output - mA or V

[1] 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[1]	18-32VAC/DC 1 UAI, 2 AO

[1] 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[1]	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[1]	12-36VDC or 12-32VAC Selectable I/O
ISOCON-6-STRAIN	Configurable, 10VDC Excitation Voltage
VCONHL-FC	AC Amp Input, Output Volts / mA

[1] Pre-set factory configured I/P & O/P according to customer requirement

PRODUCT GROUP
109

Capacitive & Ultrasonic Sensors

Capacitive Sensors

IP67 Rated

Part Number	Description
C18P/BP-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

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 or contact IMO for more information and pricing.

PRODUCT 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
Throughbeam Models	
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
Retroreflective Models	
ASPR0/0B-1T	Area Sensor M12 Pigtail DC NO/NC PNP+NPN
ASPR0/0I-1T	Area Sensor M12 Pigtail DC IO Link
ASPR0/0T-1T	Area Sensor M12 Pigtail DC NO/NC Push Pull
ASPR0/BN-1T	Area Sensor M12 Pigtail DC NO+NC NPN

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 or contact IMO for more information and pricing.

PRODUCT GROUP
110

Proximity Sensors

Shielded & Unshielded, Standard & Long Sensing Range Versions

Standard Distance PB Series

IP67 Rated, LED Indication
M12 Plug Exit

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

Miniature Inductive AA Series

IP67 Rated, LED Indication
Cable or Plug Exit

Part Number	Description
AA1/AN-1A	3mm Dia. Shielded PUR Cable 2m DC NO NPN Sn=0.6mm
AA1/AP-1A	3mm Dia. Shielded PUR Cable 2m DC NO PNP Sn=0.6mm
AA1/CN-1A	3mm Dia. Shielded PUR Cable 2m DC NC NPN Sn=0.6mm
AA1/CP-1A	3mm Dia. Shielded PUR Cable 2m DC NC PNP Sn=0.6mm
AA1/AP-3A	3mm Dia. Shielded PUR Cable 2m DC NO PNP Sn=1mm
AA1/CN-3A	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
AD1/AP-1A	M5 Shielded Cable 2m DC NO PNP Sn=0.8mm
AD1/AP-1F	M5 Shielded M8 Plug 3 Pole DC NO PNP Sn=0.8mm
AD1/AN-1A	M5 Shielded Cable 2m DC NO NPN Sn=0.8mm
AD1/AN-1F	M5 Shielded M8 Plug 3 Pole DC NO NPN Sn=0.8mm
AD1/CN-1A	M5 Shielded Cable 2m DC NC NPN Sn=0.8mm
AD1/CN-1F	M5 Shielded M8 Plug 3 Pole DC NC NPN Sn=0.8mm
AD1/CP-1A	M5 Shielded Cable 2m DC NC PNP Sn=0.8mm
AD1/CP-1F	M5 Shielded M8 Plug 3 Pole DC NC PNP Sn=0.8mm

Long Distance PB Series

IP67 Rated, LED Indication
M12 Plug Exit

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

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

Miniature Inductive AC Series

IP67 Rated, LED Indication
Cable or Plug Exit

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

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 or contact IMO for more information and pricing.

PRODUCT GROUP
104

Limit Switches

8 Body Styles With Numerous Contact Blocks & Actuators

Compact Plastic Body Limit Switches

IP67 Rated

Part Number	Description
Single Conduit Entry	
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)
Double Conduit Entry	
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
Single Conduit Entry	
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
Single Conduit Entry	
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 or contact IMO for more information and pricing.

PRODUCT 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
PSC186OF120-F	120VA/DC Flat Act NO+NC On to Release
PSC206OF024-F	24VAC/DC Flat Act NO+2NC On to Release
PSC206OF024-F1	24VAC/DC 90° Act NO+2NC On to Release
PSC206OF024-F2	24VAC/DC Flex Act NO+2NC On to Release
PSC206OF024-F3	24VAC/DC Adj Act NO+2NC On to Release
PSC206ON024-F	24VAC/DC Flat Act NO+2NC Off to Release
PSC206ON024-F1	24VAC/DC 90° Act NO+2NC Off to Release
PSC286OF024-F1	24VAC/DC 90° Act NC NO+NC On to Release/Key
PSC286ON024-F3	24VAC/DC Adj Act NC NO+NC Off to Release
PSC296OF024-F3	24VAC/DC Adj Act NC 2NC On to Release
PSC296OF120-F320	120VA/DC Adj Act NC 2NC On to Release
PSC306OF024-F7	24VAC/DC Jointed Act 2NC NC On to Release
PSC306ON024-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 or contact IMO for more information and pricing.

IMO Solar Product Range

IMO is at the forefront of control component technology specifically developed for the renewable energy market and in particular solar energy. Whether meeting the demands of safe and efficient DC switching or delivering tracking solutions that help to maximise solar energy conversion rates, you can be sure that IMO products have been developed to meet the highest technical and commercial standards.

Our range of TRUE DC solar isolators have become the safety component of choice for many of the largest solar inverter manufacturers and installers around the world, whilst the FireRaptor is an innovative solar panel shutdown solution to ZERO volts is compatible with all standard string inverters. We also manufacture a range of connection terminals suitable for use within PV applications, and an off-the-shelf solar tracker and measurement controller.

FireRaptor

Solar Panel Rapid Shutdown

See page 58

Now with UL PVRSS (Photovoltaic Rapid Shutdown System) listing under UL1741 guidelines, the FireRaptor is a unique solar safety product which provides three forms of Solar Panel Rapid Shutdown to ZERO VOLTS in case of fire or other emergency. Manual shutdown is possible via a dedicated emergency push button which can be conveniently located anywhere on your site for emergency access, and Automatic shutdown occurs when the FireRaptor detects an ambient temperature rise in excess of 85□ (185□), or if the external AC power supply is interrupted.

The FireRaptor offers completely independent functionality, allowing it to be fitted with new PV installations or retro-fitted to existing ones, and it is the first product of its kind on the market to not function by utilising Power Line Communications. This speaks to the truly agnostic and mechanical nature of the device thus not allowing it to cause interference with other components downstream, such as inverters, charge controllers etc. The FireRaptor meets the current requirements of NEC2017 and NEC2020 as well as being cULus and FCC approved.

TRUE DC Solar Isolators

See page 60

IMO Precision Controls offers a range of True DC Isolators specifically designed for use in Solar PV installations in accordance with EN 60364-7-712. The IMO design incorporates a user independent switching action so as the handle is moved it interacts with a spring mechanism which, upon reaching a set point, causes the contacts to "SNAP" over thereby ensuring a very fast break/make action. This mechanism means that the disconnection of the load circuits and suppression of the arc, produced by a constant DC load, is normally extinguished in 3ms using the specific pole suppression chambers incorporated within the design.

The IMO Solar Isolator and Mini Solar Isolator ranges are offered in a number of configurations all rated for installation and use as switch-disconnects and all with options allowing for "LOCKABLE OFF" operation. Although able to offer the industry standard two position 90° handle operation from LOCKABLE OFF-ON, IMO have also introduced a SAFE-LOCK patented handle that allows for three rotational positions relating to ON-OFF-LOCK. The facility offered by this design gives a LOCK position that is removed from the OFF setting ensuring the handle can be placed in its own unique position when locked, which is fully compliant with IEC 60947-1 section 8.2.5.2.1 for classification as an isolator or switch disconnector.

PV DIN Rail Terminals

See page 28

Our extensive range of DIN Rail terminals includes a selection of screw clamp terminals specifically designed for use in photovoltaic applications. Our PV DIN Rail Terminals are all rated up to 1000V, and are available from 16mm² to 70mm², in a range of colours for easier identification.

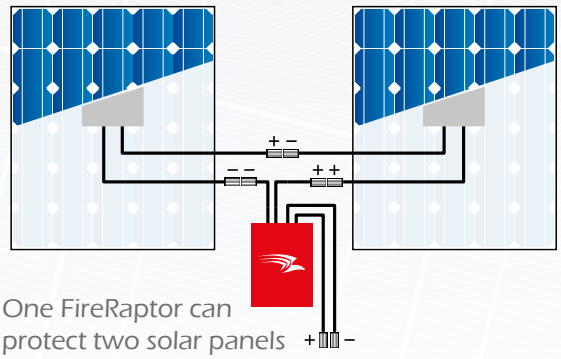
Solar Cube - Precision Tracking & Management Controller

See page 62

Developed as a ground breaking, easy-to-set-up solar tracking and management controller with the flexibility to adapt to any installation, the IMO Solar Cube is an off-the-shelf solution for use on either single or dual axis solar panel installations, to precisely track the sun's movement and provide optimum panel (or array) positioning.

The Ultimate Emergency Solar Panel Rapid Shutdown Solution

FireRaptor



One FireRaptor can protect two solar panels

nec® 2017 nec® 2020

Complete Safety. Low Cost. Peace Of Mind.

The FireRaptor from IMO is an innovative emergency shutdown solution which takes your safety seriously. Offering 3 ways to shut down your solar panels to ZERO volts, the FireRaptor is the most efficient solution, easy to install and operate, and is fully compliant with NEC2017 and NEC2020.

To find out how the amazing FireRaptor can give you total peace of mind, go to **www.imopc.com** or contact your local IMO distributor.

PRODUCT GROUP
119

FireRaptor & Emergency Shutdown Switches

The Ultimate Solar Panel Rapid Shutdown Solution

FireRaptor

FireRaptor Rapid Shutdown Solution

Part Number	Description
FRS-01	Solar Panel Rapid Shutdown Solution
FRS-02	Advanced Solar Panel Rapid Shutdown Solution

Emergency Shutdown Switches

Part Number	Description
FRS-ESW1	Rapid Shutdown Switch for FRS-01, IP65
FRS-ESW1-K	Rapid Shutdown Switch with Key for FRS-01, IP65
FRS-ESW2	Rapid Shutdown Switch for FRS-02, IP65
FRS-ESW2-K	Rapid Shutdown Switch with Key for FRS-02, IP65
FRS-SIGCAB1.8-F	1.8m Signal Cable (for end of PV string)

Keep Solar Safe: Solar Panel Rapid Shutdown Solution

The IMO FireRaptor provides three forms of Solar Panel Rapid Shutdown to ZERO VOLTS in case of fire or other emergency:

• MANUAL EMERGENCY SHUTDOWN

Manual shutdown is operated via an Emergency Rapid Shutdown Switch utilising a typical “one push” large emergency push button. The switch can be conveniently located anywhere for emergency access and is supplied with a 24VDC power supply to interface with the FireRaptor units.

• AUTOMATIC EMERGENCY TEMPERATURE SHUTDOWN

Automatic shutdown occurs via the temperature sensor onboard the FireRaptor which detects an ambient temperature rise in excess of 85°C (185°F). In the event that the temperature exceeds 92°C (198°F) then the FireRaptor will only re-engage the solar panels by manual reset done via the emergency switch. Otherwise, the FireRaptor will re-engage the solar panels automatically if the temperature drops back below the 85°C (185°F) cut-out level. The FRS-02 FireRaptor offers the additional feature of being able to be configured to provide connection to a building’s central alarm system or notification via mobile communication (SMS, email etc.).

• AUTOMATIC EMERGENCY EXTERNAL POWER LOSS SHUTDOWN

Disconnection of the external AC supply, by whatever means, causes automatic remote operation of the Emergency Rapid Shutdown Switch.

The FireRaptor can be installed without any set-up and with any string inverter as its functionality is completely independent. “Plug & Play” style installation using industry standard connectors is easy, whether fitted to new installs or retro-fitted to existing projects to upgrade fire safety functionality.

Read more about the FireRaptor, go to www.imopc.com and download the catalogue

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WATCH US ON YouTube

TRUE DC SOLAR ISOLATORS

Over 6 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 6 million 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.

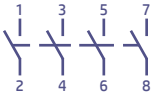
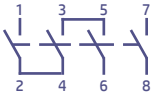
Keep Solar Safe

PRODUCT GROUP **117**

***SI Range of Solar Isolators** & Accessories*

*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 3R
- IP66 Rated

Part Number	DC21A IEC60947-3				UL Ratings UL508i				Poles in series	No. of Strings	Weight Kg/pcs.	Contact Configuration
	600V	800V	1000V	1500V	350V	500V	600V	1000V				
SI16-PEL64R-2	16A	16A	9A	3A	16A	16A	16A	-	2	1	0.43	
SI25-PEL64R-2	25A	20A	11A	4A	25A	25A	25A	-	2	1	0.43	
SI32-PEL64R-2	32A	23A	13A	5A	32A	32A	32A	-	2	1	0.43	
SI40-PEL64R-2	40A	30A	20A	6A	48A	48A	40A	16A	2	1	1.59	
SI55-PEL64R-2	55A	45A	25A	8A	55A	55A	55A	20A	2	1	1.59	
SI16-PEL64R-4	16A	16A	16A	16A	16A	16A	16A	-	2	2	0.46	
SI25-PEL64R-4	25A	25A	25A	20A	25A	25A	25A	-	2	2	0.46	
SI32-PEL64R-4	32A	32A	32A	23A	32A	32A	32A	-	2	2	0.46	
SI40-PEL64R-4	40A	40A	40A	30A	48A	48A	40A	40A	2	2	1.67	
SI55-PEL64R-4	55A	55A	55A	40A	55A	55A	55A	55A	2	2	1.67	
SI16-PEL64R-4S	16A	16A	16A	16A	16A	16A	16A	-	4	1	0.47	
SI25-PEL64R-4S	25A	25A	25A	20A	25A	25A	25A	-	4	1	0.47	
SI32-PEL64R-4S	32A	32A	32A	23A	32A	32A	32A	-	4	1	0.47	
SI40-PEL64R-4S	40A	40A	40A	30A	48A	48A	40A	40A	4	1	1.70	
SI55-PEL64R-4S	55A	55A	55A	40A	55A	55A	55A	55A	4	1	1.70	

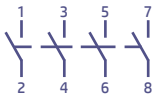
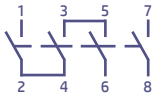
SI Range of Solar Isolators *& Accessories*

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
- IP20 Body

PV SAFE-LOCK

CE UL c US TÜV IEC

Part Number	DC21A IEC60947-3				UL Ratings UL508i				Poles in series	No. of Strings	Weight Kg/pcs.	Contact Configuration
	600V	800V	1000V	1500V	350V	500V	600V	1000V				
SI16-DBL-2	16A	16A	9A	3A	16A	16A	16A	-	2	1	0.19	
SI25-DBL-2	25A	20A	11A	4A	25A	25A	25A	-	2	1	0.19	
SI32-DBL-2	32A	23A	13A	5A	32A	32A	32A	-	2	1	0.19	
SI40-DBL-2	40A	30A	20A	6A	48A	48A	40A	16A	2	1	0.40	
SI55-DBL-2	55A	45A	25A	8A	55A	55A	55A	20A	2	1	0.40	
SI16-DBL-4	16A	16A	16A	16A	16A	16A	16A	-	2	2	0.46	
SI25-DBL-4	25A	25A	25A	20A	25A	25A	25A	-	2	2	0.46	
SI32-DBL-4	32A	32A	32A	23A	32A	32A	32A	-	2	2	0.46	
SI40-DBL-4	40A	40A	40A	30A	48A	48A	40A	40A	2	2	1.67	
SI55-DBL-4	55A	55A	55A	40A	55A	55A	55A	55A	2	2	1.67	
SI16-DBL-4S	16A	16A	16A	16A	16A	16A	16A	-	4	1	0.47	
SI25-DBL-4S	25A	25A	25A	20A	25A	25A	25A	-	4	1	0.47	
SI32-DBL-4S	32A	32A	32A	23A	32A	32A	32A	-	4	1	0.47	
SI40-DBL-4S	40A	40A	40A	30A	48A	48A	40A	40A	4	1	1.70	
SI55-DBL-4S	55A	55A	55A	40A	55A	55A	55A	55A	4	1	1.70	

ASA Plastic Distribution Boxes

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

PRODUCT GROUP **144**

CE

Part Number	Description
E-04W	4 Way IP65 (201 x 128 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)

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

For the complete range of
Solar Products,
go to www.imopc.com
and download the catalogue

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PRODUCT GROUP
147

SolarCube *& Accessories*

Solar Panel Precision Tracking & Measurement Controller

Ground-breaking Solar Tracking & Measurement

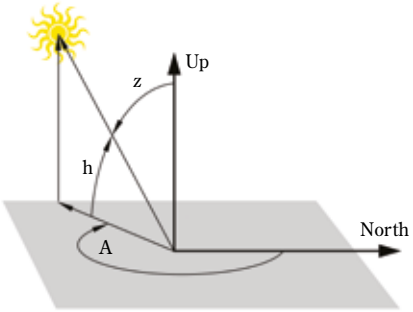
The IMO Solar Cube has been developed as a ground breaking, easy to set up solar tracking and measurement controller with the flexibility to adapt to any installation. The Solar Cube is an off the shelf controller designed for use on either one or two axis solar panel installations to track the sun's movement and provide optimum panel (or array) positioning. The sun's position is calculated using the local time and date comparing this with the longitude and latitude location of the solar array. From this data the Solar Cube calculates the 'zenith angle' and the 'azimuth angle', which together exactly specify the position of the sun in the sky.

To position the array the Solar Cube uses feedback from an electronic compass device connected via RS485 which then activates the solar array's actuators until the correct position is reached. The compass is mounted directly on the array frame to give accurate positioning information.

With the option of GPS positioning or manual inputting of the array's location, the Solar Cube is easy to setup anywhere in the world. The Solar Cube is a competitive solution for controlling each array or it can be configured to control up to 4 arrays from one controller providing additional savings. Options for feedback and control from a single control station or via a web server are also available.

Solar Cube also offers data logging facilities using its own internal MicroSD card. Power output can be logged continually to produce daily, monthly and yearly figures. Revenues can be calculated along with CO_2 reduction figures.

The sun's position calculation depends upon the current time and date as well as longitude and latitude location of the solar array. The results of this calculation are the 'zenith angle' and the 'azimuth angle', which together exactly specify the position of the sun in the sky.



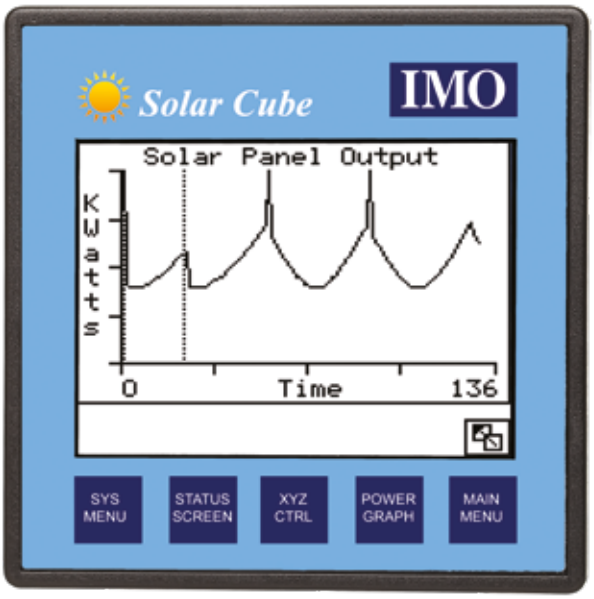
A - azimuth angle, measured clockwise from north

z - zenith angle, measured from vertical

h - elevation angle, measured up from the horizon

Key Features

- 3.5” Monochrome Touch Screen
- 5 Pre-programmed function keys
- Built-in sun positioning algorithm, accurate to 0.1°
- Integrated Ethernet option for remote web access
- 3D Compass input for accurate positioning
- Automatic location and clock updates with GPS
- MicroSD card for data logging
- Password security for all settings
- Error based adjustment with configurable error values for each axis
- Configurable minimum and maximum adjustment angles
- Configurable safety cut-out system
- Configurable twilight settings (returns to morning position automatically)
- Single Axis supports Azimuth or Zenith tracking
- Supports custom inverter serial communications
- Emergency Stop input
- Manual Jog function
- Manual Override key
- Optional Ice and Wind Sensor inputs
- Four motor outputs (For 2 Axis Control)
- Limit Switch inputs for safety cut out
- Optional Wash Control output
- Analog input for power output measurement (CT Connection)
- Optional analog input for light level sensing
- IP65 (NEMA4) CE, cUL, UL
- 10-30VDC supply



Solar Cube Solar Tracker

Easy-to-configure, out-of-the-box solution, IP65 (NEMA 4X) Rated

Part Number	Description
SOLARCUBE-1AX	Single Array Solar Tracker, 1 or 2 Axis Configurable
COMPASS-485-15M	Digital Compass, 3-Axis RS485, Precabled 15m

IMO EV Charging Components Range

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. With rigorous standards of development, reliability testing and production control complemented by all the most relevant independent approvals, IMO remains the no-compromise choice.

As a world leader in the solar industry with many global OEMs using our DC switching and isolation technology, IMO is pleased to introduce its EV Protect range specifically designed to meet the requirements of the Electric Vehicle market.

For use by EV Installers & EV Charging Manufacturers

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

For the complete range of
EV Charging Products
go to www.imopc.com
and download the catalogue

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EV PROTECT

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 AC and Type B available.

Branch Isolators

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

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 avialable 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.

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
B10R2040-30-B	Type B RCD, 10kA, 30mA, 1P+N, 40A
B10R4040-30-B	Type B RCD, 10kA, 30mA, 3P+N, 40A
B10R2063-30-B	Type B RCD, 10kA, 30mA, 1P+N, 63A
B10R4063-30-B	Type B RCD, 10kA, 30mA, 3P+N, 63A

Type A 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. 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
B6CR1N40-30-A	Type A RCBO, 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
BR6B1040A	MCB, B Curve, 1 Pole, 40A, 6kA
BR6B1063A	MCB, B Curve, 1 Pole, 63A, 6kA
B10C1040A	MCB, C Curve, 1 Pole, 40A, 10kA
B10C1063A	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
SPDS-201N	Compact 1P+NPE, IMAX 20kA, 275VAC
SPD2-201N	Standard 1P+NPE, IMAX 20kA, 275VAC
SPD2-401N	Standard 1P+NPE, IMAX 40kA, 275VAC
SPD4-203N	Standard 3P+NPE, IMAX 20kA, 275VAC
SPD4-403N	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
DBM2-02W	Mini Enclosure, 2 Way, 146x80x90mm
DBM2-04W	Std Enclosure, 4 Way, 235x140x115mm
DBM2-04W-NL	Same as DBM2-04W above with Neutral Link
DBM2-04WM	Slim Enclosure, 4 Way, 175x110x71.5mm

Know Your RCDs

EV PROTECT

Did you know RCD's (Residual Current Devices) also known as RCCB (Residual Current Circuit Breakers) come in various "types" for different applications. To quickly identify an RCD you can look for the following sine waves on the front of an RCD. All IMO RCD's are clearly marked for quick identification...

Type AC
(AC Only)

Type A
(AC & Pulsating DC)

Type B
(AC, Pulsating DC, Smooth DC & High Frequency AC)

Download our
UK EV Installer Guide
from www.imopc.com

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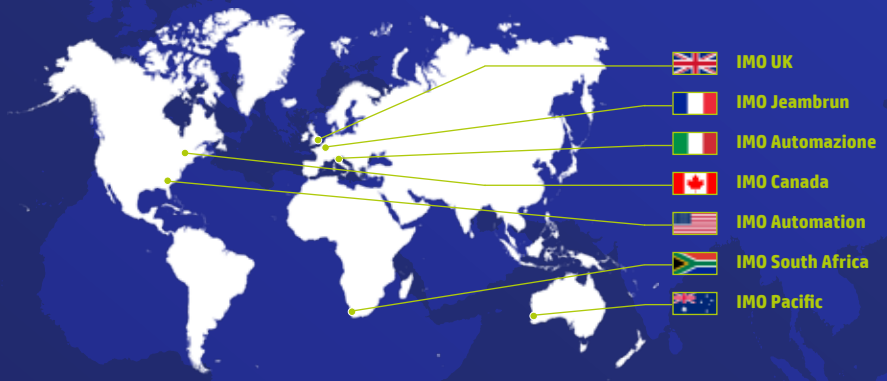
Web: www.imopc.com



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LinkedIn
Connect with us and follow IMO Precision Controls for the latest news, views and reviews

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Errors and omissions excepted. Subject to change without notice. Information correct at time of print.

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