

## Solar Isolator Range



Bright solutions

**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 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.**

### Enclosed TRUE DC Isolators



Specifically developed for arduous DC disconnect applications, the IMO range of Solar Isolators features an operator independent trigger ratchet switching mechanism resulting in switching times of less than 5ms. High reliability knife edge contacts and long arc cooling chambers ensure safe and effective isolation of DC voltages within solar installations.

Available in 2 to 8 pole versions in a wide variety of mounting and handle configurations, the IMO Solar Isolator range is suitable for most site installation applications.

### Solar Connectors

IMO's range of mobile connectors are used to connect PV panels in series. They also link between lengths of cabling and allow connection to Branch and Panel connectors.

Branch connectors are used to link multiple strings together allowing, for example, a 2 pole (single string) DC isolator to switch both strings at the same time removing the need to use 2 isolators.

Panel connectors mount on solar string boxes, enclosed DC isolators and any other enclosed DC switching device allowing easy connection to the rest of the PV system.



### Solar Relays & Terminals

IMO's range of Solar Relays have been specifically developed to meet the high contact gap and insulation requirements of modern solar applications. Along with our comprehensive range of PCB and DIN Rail Terminal Blocks, IMO products provide the greatest flexibility to meet the most demanding solar OEM demands.



### AC Isolators

IMO's range of enclosed IP65 rated AC isolators includes 3 to 8 pole versions rated from 20A to 80A. The design also includes an interlocked enclosure lid and 3 padlockable positions for safety.

### OEM True DC Isolator

All the features and benefits of the IMO True DC Isolator available in Panel, Din Rail and Base mounting versions for incorporation into solar OEM design.



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Lever Actuator Switch Lockable Off for Distribution Board



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## Standard Actuator Versions



Emergency Stop Lever Actuator Switch Lockable Off, Panel Mounting



Emergency Stop Rotary Switch Lockable Off, Panel Mounting



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Emergency Stop Lever Rotary Switch Lockable Off, Single Hole Mounting



Emergency Stop Rotary Lever Actuator Switch Lockable Off for Distribution Board



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# Solar Connectors

Mobile connectors are used to connect PV panels in series. They also link lengths of cabling and allow connection to Branch and Panel connectors.

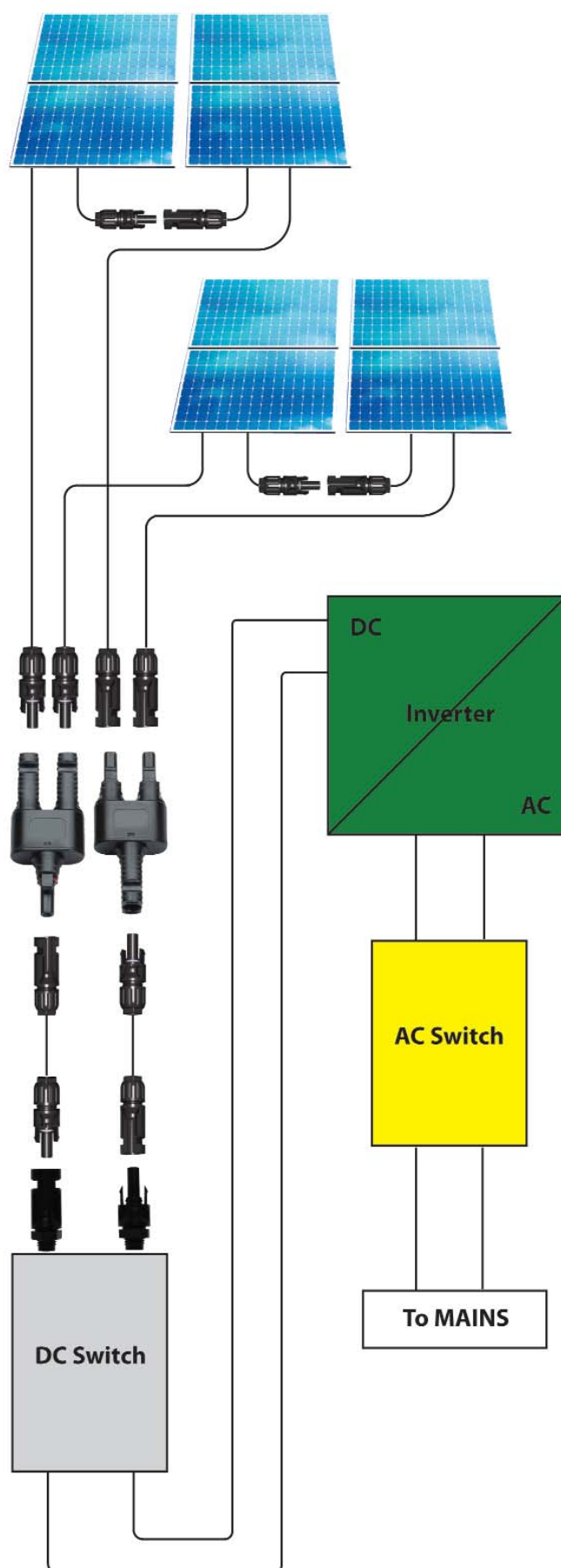
Branch connectors are used to link multiple strings together allowing, for example, a 2 pole (single string) DC isolator to switch both strings at the same time.

Panel connectors mount on solar string boxes, enclosed DC isolators and any other enclosed DC switching device allowing easy connection to the rest of the PV system.

## Key Features:

- 1000V DC 30A Rated
- For 4-6mm<sup>2</sup> Cables
- Secure Easy Clip And Release System
- IP67 Protection
- UL94-5VA Fire Protection
- Class 2 Protection

| Part Number | Description                           | Pack Quantity |
|-------------|---------------------------------------|---------------|
| SIC-M-4M    | Male mobile connector                 | 100           |
| SIC-M-4F    | Female mobile connector               | 100           |
| SIC-P-4M    | Male panel connector                  | 100           |
| SIC-P-4F    | Female panel connector                | 100           |
| SIC-B-4PAIR | 1xMFF + 1xFMM branch connectors       | 1 Pair        |
| SIC-I-4M    | Male connector metal insert (spare)   | 100           |
| SIC-I-4F    | Female connector metal insert (spare) | 100           |



# Think PV.. ..Think **Safety!**

## DC Switching

The IMO SI is a True DC switch not an AC version de-rated or re-wired for DC operation.

Features include:

- Operator independent switching mechanism
- High speed trigger ratchet switching (5ms max)
- IP65 rated enclosure with top and bottom M25/M20/M16/M12 push outs and rear cable entry
- Fully enclosed internal switch without additional wiring for maximum safety
- Knife edge contacts and arc cooling chambers
- High reliability rotary snap action mechanism
- Maximum 1Nm torque for easy operation
- Compact space saving design
- 16mm<sup>2</sup> box terminals for easy wiring

The IMO SI range has a switching speed that is independent of the operator. The mechanism is such that there is no direct linkage between the operator handle and the switch contacts. As the handle is moved it interacts with a spring mechanism which, upon reaching a set point, causes all the contacts to “SNAP” over thereby ensuring a very fast break/make action which means that the arcs produced by the constant DC load are normally extinguished within 5ms. Many alternative solutions, particularly those based upon AC isolator design, have a switching speed that is directly linked to operator speed. Slow operation of the handle results in slow separation of the contacts and can produce arcing times of 100ms or more.

The SI range also features a “knife edge” mechanism so that when the unit is operated there is a double break on each pole with arcing effect occurring on the corners of the switch only. The main contact is made on an area where no arcing has occurred. The rotary nature of the contact mechanism also means that when the SI is operated a self-cleaning action occurs on the arcing points, thereby producing good contact integrity over the life of the product. A secondary advantage of this type of operation in photovoltaic applications is that, in the event of a supply to earth failure, the short circuit current pulls the contacts together thereby giving an extremely high short circuit current capability in the order of up to 1700A (product dependant).

Completing the package for all your PV installation requirements is the IMO range of Solar Connectors. Rated up to 1000V 30A for 2.5-6mm<sup>2</sup> cables, the IMO connectors feature a secure easy clip and release system providing the installer with a time saving and efficient connector solution. As with all IMO PV products the connectors have been tested to the highest standards and come rated with IP67 protection, UL-94-5VA fire resistance and provide class 2 protection.



# Solar Isolators for Photovoltaic Applications

The IMO SI Solar Isolator range has been specifically developed as a True DC switch to disconnect the DC/AC inverter from the photovoltaic panels as illustrated. All photovoltaic installations have to be equipped with DC isolators in accordance with IEC 60364-7-712.

## Key Features:

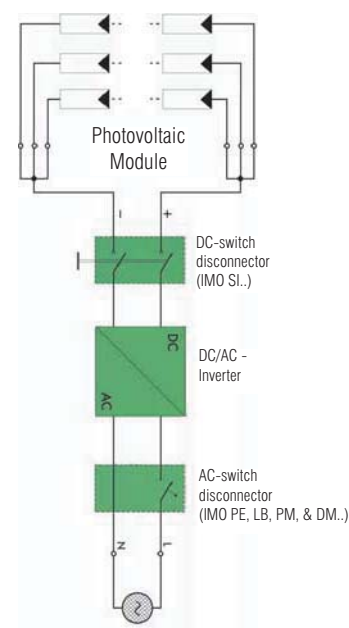
- Available in 2 to 8 pole versions
- Compact space saving design
- Operator independent trigger ratchet switching mechanism for high speed switching (5ms max)
- Knife edge self cleaning contact mechanism
- Long arc cooling chambers
- Maximum torque 1Nm for easy operation
- Large box terminals with 16mm<sup>2</sup> cross sectional area for easy wiring
- Available in a wide variety of mounting and handle configurations



G83/1 Compliant

We recommend installers label equipment:

“Danger - Contains live parts during daytime”.



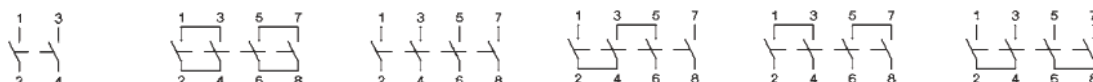
|      |                           |                                                   |      | Lever Actuator Versions |                                    |                                   |                |                   |
|------|---------------------------|---------------------------------------------------|------|-------------------------|------------------------------------|-----------------------------------|----------------|-------------------|
| Type | I <sub>th</sub> Open<br>A | DC21B at U <sub>e</sub><br>4 Poles in series<br>A | V    | Panel<br>Mounting       | Single hole<br>mounting<br>Ø22.5mm | Base mounting<br>w. door coupling | Modular switch | Plastic enclosure |
| SI16 | 16                        | 16                                                | 1000 | ..PM64..                | ..SHM..                            | ..BMDC64..                        | ..DB..         | ..PEL64..         |
| SI25 | 25                        | 25                                                | 1000 | ..PM64..                | ..SHM..                            | ..BMDC64..                        | ..DB..         | ..PEL64..         |
| SI32 | 32                        | 32                                                | 1000 | ..PM64..                | ..SHM..                            | ..BMDC64..                        | ..DB..         | ..PEL64..         |

| Standard Actuator Versions |                                    |                                        |                   |                      | Emergency Stop Versions |                                    |                                        |                   |                      |
|----------------------------|------------------------------------|----------------------------------------|-------------------|----------------------|-------------------------|------------------------------------|----------------------------------------|-------------------|----------------------|
| Panel<br>Mounting          | Single hole<br>mounting<br>Ø22.5mm | Base mounting<br>with door<br>coupling | Modular<br>switch | Plastic<br>enclosure | Panel<br>Mounting       | Single hole<br>mounting<br>Ø22.5mm | Base mounting<br>with door<br>coupling | Modular<br>switch | Plastic<br>enclosure |
| ..PM64R..                  | ..SHML..                           | ..BMDC64R..                            | ..DBL..           | ..PEL64R..           | ..ES-PM64R..            | ..ES-SHM..                         | ..ES-BMDC..                            | ..ES-DB..         | ..ES-PEL..           |
| ..PM64R..                  | ..SHML..                           | ..BMDC64R..                            | ..DBL..           | ..PEL64R..           | ..ES-PM64R..            | ..ES-SHM..                         | ..ES-BMDC..                            | ..ES-DB..         | ..ES-PEL..           |
| ..PM64R..                  | ..SHML..                           | ..BMDC64R..                            | ..DBL..           | ..PEL64R..           | ..ES-PM64R..            | ..ES-SHM..                         | ..ES-BMDC..                            | ..ES-DB..         | ..ES-PEL..           |

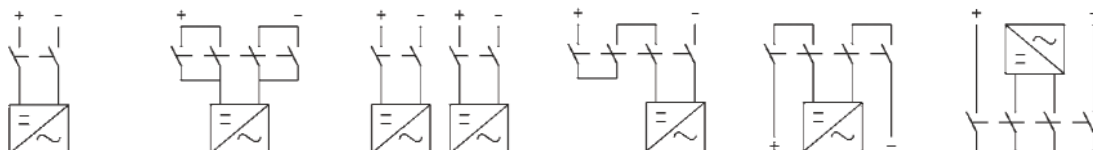
# Switching Configurations

| Type | 2-pole | 2-pole<br>4 Paralleled poles | 4-pole | 2-pole<br>with Input<br>on top<br>Output bottom | 2-pole<br>with Input<br>and<br>Output bottom | 2-pole<br>with Input<br>and<br>Output on top |
|------|--------|------------------------------|--------|-------------------------------------------------|----------------------------------------------|----------------------------------------------|
| SI16 | 2      | 2H                           | 4      | 4S                                              | 4T                                           | 4B                                           |
| SI25 | 2      | 2H                           | 4      | 4S                                              | 4T                                           | 4B                                           |
| SI32 | 2      | 2H                           | 4      | 4S                                              | 4T                                           | 4B                                           |

Contacts  
Wiring diagram

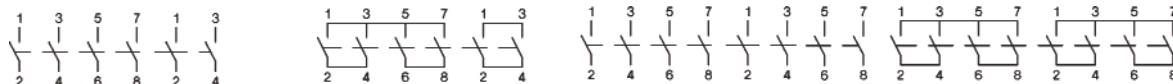


Switching example

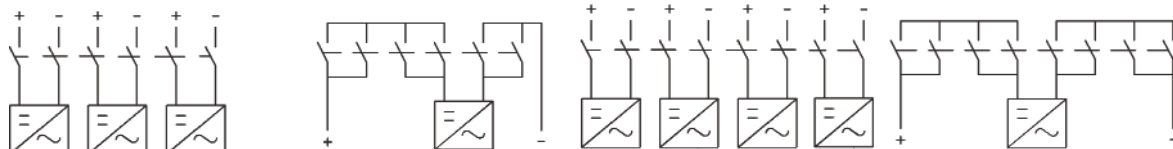


| Type | 6-pole | 2-pole<br>6 paralleled poles | 8-pole | 2-pole<br>8 paralleled poles |
|------|--------|------------------------------|--------|------------------------------|
| SI16 | ...6   | ...3H                        | ...8   | ...4H                        |
| SI25 | ...6   | ...3H                        | ...8   | ...4H                        |
| SI32 | ...6   | ...3H                        | ...8   | ...4H                        |

Contacts  
Wiring diagram



Switching example



Insulated Jumper SIV-B1 for series and parallel switching of contacts

| Type   | Pack | Weight  |
|--------|------|---------|
| SIV-B1 | 1    | 6.6g/pc |



# Lever Actuator Switch - Panel Mounting



- Panel Mounting, IP66
- Escutcheon Plate 64mm<sup>2</sup>
- IP40 Body
- NEMA Type 3R



| DC21B Rating |      |      |      |       |       |       | Poles<br>in series | Number<br>of Strings | Weight<br>kg/pcs. | Part<br>Number | Contact<br>Configuration |
|--------------|------|------|------|-------|-------|-------|--------------------|----------------------|-------------------|----------------|--------------------------|
| 600V         | 700V | 800V | 900V | 1000V | 1200V | 1500V |                    |                      |                   |                |                          |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 1                    | 0.20              | SI16 PM64 2    |                          |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 1                    | 0.20              | SI25 PM64 2    |                          |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 1                    | 0.20              | SI32 PM64 2    |                          |
| 29A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 1                    | 0.25              | SI16 PM64 2H   |                          |
| 45A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 1                    | 0.25              | SI25 PM64 2H   |                          |
| 50A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 1                    | 0.25              | SI32 PM64 2H   |                          |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 2                    | 0.23              | SI16 PM64 4    |                          |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 2                    | 0.23              | SI25 PM64 4    |                          |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 2                    | 0.23              | SI32 PM64 4    |                          |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4                  | 1                    | 0.24              | SI16 PM64 4S   |                          |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4                  | 1                    | 0.24              | SI25 PM64 4S   |                          |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4                  | 1                    | 0.24              | SI32 PM64 4S   |                          |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4                  | 1                    | 0.24              | SI16 PM64 4T   |                          |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4                  | 1                    | 0.24              | SI25 PM64 4T   |                          |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4                  | 1                    | 0.24              | SI32 PM48 4T   |                          |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4                  | 1                    | 0.24              | SI16 PM64 4B   |                          |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4                  | 1                    | 0.24              | SI25 PM64 4B   |                          |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4                  | 1                    | 0.24              | SI32 PM64 4B   |                          |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 3                    | 0.36              | SI16 PM64 6    |                          |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 3                    | 0.36              | SI25 PM64 6    |                          |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 3                    | 0.36              | SI32 PM64 6    |                          |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 4                    | 0.41              | SI16 PM64 8    |                          |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 4                    | 0.41              | SI25 PM64 8    |                          |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 4                    | 0.41              | SI32 PM64 8    |                          |
| 29A          | 29A  | 29A  | 29A  | 29A   | 29A   | 16A   | 8                  | 1                    | 0.46              | SI16 PM64 4H   |                          |
| 45A          | 45A  | 45A  | 45A  | 45A   | 45A   | 20A   | 8                  | 1                    | 0.46              | SI25 PM64 4H   |                          |
| 58A          | 58A  | 58A  | 58A  | 58A   | 50A   | 23A   | 8                  | 1                    | 0.46              | SI32 PM64 4H   |                          |

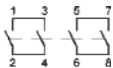
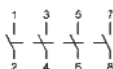
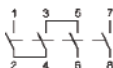
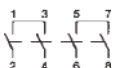
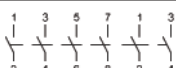
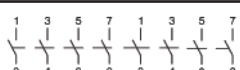
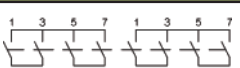


# Lever Actuator Switch - Single Hole Mounting



- Single Hole Mounting Ø22mm, IP66
- Escutcheon Plate 48mm<sup>2</sup>
- IP40 Body
- NEMA Type 3R



| DC21B Rating |      |      |      |       |       |       | Poles<br>in series | Number<br>of Strings | Weight<br>kg/pcs. | Part<br>Number | Contact<br>Configuration                                                              |
|--------------|------|------|------|-------|-------|-------|--------------------|----------------------|-------------------|----------------|---------------------------------------------------------------------------------------|
| 600V         | 700V | 800V | 900V | 1000V | 1200V | 1500V |                    |                      |                   |                |                                                                                       |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 1                    | 0.21              | SI16 SHM 2     |  |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 1                    | 0.21              | SI25 SHM 2     |                                                                                       |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 1                    | 0.21              | SI32 SHM 2     |                                                                                       |
| 29A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 1                    | 0.26              | SI16 SHM 2H    |  |
| 45A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 1                    | 0.26              | SI25 SHM 2H    |                                                                                       |
| 50A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 1                    | 0.26              | SI32 SHM 2H    |                                                                                       |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 2                    | 0.23              | SI16 SHM 4     |  |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 2                    | 0.23              | SI25 SHM 4     |                                                                                       |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 2                    | 0.23              | SI32 SHM 4     |                                                                                       |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4                  | 1                    | 0.25              | SI16 SHM 4S    |  |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4                  | 1                    | 0.25              | SI25 SHM 4S    |                                                                                       |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4                  | 1                    | 0.25              | SI32 SHM 4S    |                                                                                       |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4                  | 1                    | 0.25              | SI16 SHM 4T    |  |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4                  | 1                    | 0.25              | SI25 SHM 4T    |                                                                                       |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4                  | 1                    | 0.25              | SI32 SHM 4T    |                                                                                       |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4                  | 1                    | 0.25              | SI16 SHM 4B    |  |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4                  | 1                    | 0.25              | SI25 SHM 4B    |                                                                                       |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4                  | 1                    | 0.25              | SI32 SHM 4B    |                                                                                       |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 3                    | 0.38              | SI16 SHM 6     |  |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 3                    | 0.38              | SI25 SHM 6     |                                                                                       |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 3                    | 0.38              | SI32 SHM 6     |                                                                                       |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 4                    | 0.43              | SI16 SHM 8     |  |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 4                    | 0.43              | SI25 SHM 8     |                                                                                       |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 4                    | 0.43              | SI32 SHM 8     |                                                                                       |
| 29A          | 29A  | 29A  | 29A  | 29A   | 29A   | 16A   | 8                  | 1                    | 0.48              | SI16 SHM 4H    |  |
| 45A          | 45A  | 45A  | 45A  | 45A   | 45A   | 20A   | 8                  | 1                    | 0.48              | SI25 SHM 4H    |                                                                                       |
| 58A          | 58A  | 58A  | 58A  | 58A   | 50A   | 23A   | 8                  | 1                    | 0.48              | SI32 SHM 4H    |                                                                                       |

# Lever Actuator Switch - Base Mounting, Door Clutch



- Base Mounting, Door Clutch, IP66
- Five point fixing handle mount
- Escutcheon Plate 64mm<sup>2</sup>
- IP40 Body
- NEMA Type 3R



| DC21B Rating |      |      |      |       |       |       | Poles<br>in series | Number<br>of Strings | Weight<br>kg/pcs. | Part<br>Number | Contact<br>Configuration |
|--------------|------|------|------|-------|-------|-------|--------------------|----------------------|-------------------|----------------|--------------------------|
| 600V         | 700V | 800V | 900V | 1000V | 1200V | 1500V |                    |                      |                   |                |                          |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 1                    | 0.22              | SI16 BMDC64 2  |                          |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 1                    | 0.22              | SI25 BMDC64 2  |                          |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 1                    | 0.22              | SI32 BMDC64 2  |                          |
| 29A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 1                    | 0.27              | SI16 BMDC64 2H |                          |
| 45A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 1                    | 0.27              | SI25 BMDC64 2H |                          |
| 50A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 1                    | 0.27              | SI32 BMDC64 2H |                          |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 2                    | 0.25              | SI16 BMDC64 4  |                          |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 2                    | 0.25              | SI25 BMDC64 4  |                          |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 2                    | 0.25              | SI32 BMDC64 4  |                          |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4                  | 1                    | 0.26              | SI16 BMDC64 4S |                          |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4                  | 1                    | 0.26              | SI25 BMDC64 4S |                          |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4                  | 1                    | 0.26              | SI32 BMDC64 4S |                          |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4                  | 1                    | 0.26              | SI16 BMDC64 4T |                          |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4                  | 1                    | 0.26              | SI25 BMDC64 4T |                          |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4                  | 1                    | 0.26              | SI32 BMDC64 4T |                          |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4                  | 1                    | 0.26              | SI16 BMDC64 4B |                          |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4                  | 1                    | 0.26              | SI25 BMDC64 4B |                          |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4                  | 1                    | 0.26              | SI32 BMDC64 4B |                          |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 3                    | 0.38              | SI16 BMDC64 6  |                          |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 3                    | 0.38              | SI25 BMDC64 6  |                          |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 3                    | 0.38              | SI32 BMDC64 6  |                          |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 4                    | 0.43              | SI16 BMDC64 8  |                          |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 4                    | 0.43              | SI25 BMDC64 8  |                          |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 4                    | 0.43              | SI32 BMDC64 8  |                          |
| 29A          | 29A  | 29A  | 29A  | 29A   | 29A   | 16A   | 8                  | 1                    | 0.48              | SI16 BMDC64 4H |                          |
| 45A          | 45A  | 45A  | 45A  | 45A   | 45A   | 20A   | 8                  | 1                    | 0.48              | SI25 BMDC64 4H |                          |
| 58A          | 58A  | 58A  | 58A  | 58A   | 50A   | 23A   | 8                  | 1                    | 0.48              | SI32 BMDC64 4H |                          |

# Lever Actuator Switch for Distribution Board



- For Distribution Boards
- IP40 Body
- NEMA Type 1



| DC21B Rating |      |      |      |       |       |       | Poles<br>in series | Number<br>of Strings | Weight<br>kg/pcs. | Part<br>Number | Contact<br>Configuration |
|--------------|------|------|------|-------|-------|-------|--------------------|----------------------|-------------------|----------------|--------------------------|
| 600V         | 700V | 800V | 900V | 1000V | 1200V | 1500V |                    |                      |                   |                |                          |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 1                    | 0.19              | SI16 DB 2      |                          |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 1                    | 0.19              | SI25 DB 2      |                          |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 1                    | 0.19              | SI32 DB 2      |                          |
| 29A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 1                    | 0.24              | SI16 DB 2H     |                          |
| 45A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 1                    | 0.24              | SI25 DB 2H     |                          |
| 50A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 1                    | 0.24              | SI32 DB 2H     |                          |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 2                    | 0.22              | SI16 DB 4      |                          |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 2                    | 0.22              | SI25 DB 4      |                          |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 2                    | 0.22              | SI32 DB 4      |                          |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4                  | 1                    | 0.23              | SI16 DB 4S     |                          |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4                  | 1                    | 0.23              | SI25 DB 4S     |                          |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4                  | 1                    | 0.23              | SI32 DB 4S     |                          |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4                  | 1                    | 0.23              | SI16 DB 4T     |                          |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4                  | 1                    | 0.23              | SI25 DB 4T     |                          |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4                  | 1                    | 0.23              | SI32 DB 4T     |                          |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4                  | 1                    | 0.23              | SI16 DB 4B     |                          |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4                  | 1                    | 0.23              | SI25 DB 4B     |                          |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4                  | 1                    | 0.23              | SI32 DB 4B     |                          |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 3                    | 0.35              | SI16 DB 6      |                          |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 3                    | 0.35              | SI25 DB 6      |                          |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 3                    | 0.35              | SI32 DB 6      |                          |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 4                    | 0.40              | SI16 DB 8      |                          |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 4                    | 0.40              | SI25 DB 8      |                          |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 4                    | 0.40              | SI32 DB 8      |                          |
| 29A          | 29A  | 29A  | 29A  | 29A   | 29A   | 16A   | 8                  | 1                    | 0.43              | SI16 DB 4H     |                          |
| 45A          | 45A  | 45A  | 45A  | 45A   | 45A   | 20A   | 8                  | 1                    | 0.43              | SI25 DB 4H     |                          |
| 58A          | 58A  | 58A  | 58A  | 58A   | 50A   | 23A   | 8                  | 1                    | 0.43              | SI32 DB 4H     |                          |

# Lever Actuator in Plastic Enclosure



- Plastic Enclosure
- Escutcheon Plate 64mm<sup>2</sup>
- IP65
- NEMA Type 1



| DC21B Rating |      |      |      |       |       |       | Poles<br>in series | Number<br>of Strings | Weight<br>kg/pcs. | Part<br>Number | Contact<br>Configuration |
|--------------|------|------|------|-------|-------|-------|--------------------|----------------------|-------------------|----------------|--------------------------|
| 600V         | 700V | 800V | 900V | 1000V | 1200V | 1500V |                    |                      |                   |                |                          |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 1                    | 0.42              | SI16 PEL64 2   |                          |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 1                    | 0.42              | SI25 PEL64 2   |                          |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 1                    | 0.42              | SI32 PEL64 2   |                          |
| 29A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 1                    | 0.48              | SI16 PEL64 2H  |                          |
| 45A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 1                    | 0.48              | SI25 PEL64 2H  |                          |
| 50A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 1                    | 0.48              | SI32 PEL64 2H  |                          |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 2                    | 0.45              | SI16 PEL64 4   |                          |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 2                    | 0.45              | SI25 PEL64 4   |                          |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 2                    | 0.45              | SI32 PEL64 4   |                          |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4                  | 1                    | 0.46              | SI16 PEL64 4S  |                          |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4                  | 1                    | 0.46              | SI25 PEL64 4S  |                          |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4                  | 1                    | 0.46              | SI32 PEL64 4S  |                          |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4                  | 1                    | 0.46              | SI16 PEL64 4T  |                          |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4                  | 1                    | 0.46              | SI25 PEL64 4T  |                          |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4                  | 1                    | 0.46              | SI32 PEL64 4T  |                          |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4                  | 1                    | 0.46              | SI16 PEL64 4B  |                          |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4                  | 1                    | 0.46              | SI25 PEL64 4B  |                          |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4                  | 1                    | 0.46              | SI32 PEL64 4B  |                          |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 3                    | 1.56              | SI16 PEL64 6   |                          |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 3                    | 1.56              | SI25 PEL64 6   |                          |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 3                    | 1.56              | SI32 PEL64 6   |                          |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 4                    | 1.61              | SI16 PEL64 8   |                          |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 4                    | 1.61              | SI25 PEL64 8   |                          |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 4                    | 1.61              | SI32 PEL64 8   |                          |
| 29A          | 29A  | 29A  | 29A  | 29A   | 29A   | 16A   | 8                  | 1                    | 1.66              | SI16 PEL64 4H  |                          |
| 45A          | 45A  | 45A  | 45A  | 45A   | 45A   | 20A   | 8                  | 1                    | 1.66              | SI25 PEL64 4H  |                          |
| 58A          | 58A  | 58A  | 58A  | 58A   | 50A   | 23A   | 8                  | 1                    | 1.66              | SI32 PEL64 4H  |                          |

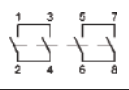
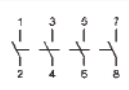
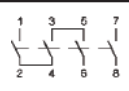
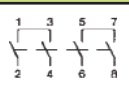
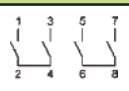
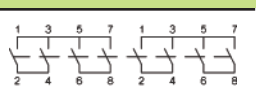


# Rotary Actuator Switch - Lockable Off



- Rotary Actuator Switch
- Lockable Off
- Panel Mounting, IP66
- Rotary Handle 64mm<sup>2</sup>
- IP40 Body
- NEMA Type 3R



| DC21B Rating |      |      |      |       |       |       | Poles<br>in series | Number<br>of Strings | Weight<br>kg/pcs. | Part<br>Number | Contact<br>Configuration                                                              |
|--------------|------|------|------|-------|-------|-------|--------------------|----------------------|-------------------|----------------|---------------------------------------------------------------------------------------|
| 600V         | 700V | 800V | 900V | 1000V | 1200V | 1500V |                    |                      |                   |                |                                                                                       |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 1                    | 0.21              | SI16 PM64R 2   |   |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 1                    | 0.21              | SI25 PM64R 2   |                                                                                       |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 1                    | 0.21              | SI32 PM64R 2   |                                                                                       |
| 29A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 1                    | 0.26              | SI16 PM64R 2H  |  |
| 45A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 1                    | 0.26              | SI25 PM64R 2H  |                                                                                       |
| 50A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 1                    | 0.26              | SI32 PM64R 2H  |                                                                                       |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 2                    | 0.24              | SI16 PM64R 4   |  |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 2                    | 0.24              | SI25 PM64R 4   |                                                                                       |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 2                    | 0.24              | SI32 PM64R 4   |                                                                                       |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4                  | 1                    | 0.25              | SI16 PM64R 4S  |  |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4                  | 1                    | 0.25              | SI25 PM64R 4S  |                                                                                       |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4                  | 1                    | 0.25              | SI32 PM64R 4S  |                                                                                       |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4                  | 1                    | 0.25              | SI16 PM64R 4T  |  |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4                  | 1                    | 0.25              | SI25 PM64R 4T  |                                                                                       |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4                  | 1                    | 0.25              | SI32 PM64R 4T  |                                                                                       |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4                  | 1                    | 0.25              | SI16 PM64R 4B  |  |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4                  | 1                    | 0.25              | SI25 PM64R 4B  |                                                                                       |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4                  | 1                    | 0.25              | SI32 PM64R 4B  |                                                                                       |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 3                    | 0.37              | SI16 PM64R 6   |  |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 3                    | 0.37              | SI25 PM64R 6   |                                                                                       |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 3                    | 0.37              | SI32 PM64R 6   |                                                                                       |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 4                    | 0.42              | SI16 PM64R 8   |  |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 4                    | 0.42              | SI25 PM64R 8   |                                                                                       |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 4                    | 0.42              | SI32 PM64R 8   |                                                                                       |
| 29A          | 29A  | 29A  | 29A  | 29A   | 29A   | 16A   | 8                  | 1                    | 0.47              | SI16 PM64R 4H  |  |
| 45A          | 45A  | 45A  | 45A  | 45A   | 45A   | 20A   | 8                  | 1                    | 0.47              | SI25 PM64R 4H  |                                                                                       |
| 58A          | 58A  | 58A  | 58A  | 58A   | 50A   | 23A   | 8                  | 1                    | 0.47              | SI32 PM64R 4H  |                                                                                       |

Extended Switch Shaft for all switches for panel mounting: Type Suffix

x= panel thickness

+ "x"

# Lever Actuator Switch - Lockable Off



- Lever Actuator Switch
- Lockable Off
- Single Hole Mounting Ø22mm, IP66
- Escutcheon plate 48mm<sup>2</sup>
- IP40 Body
- NEMA Type 3R



| DC21B Rating |      |      |      |       |       |       | Poles<br>in series | Number<br>of Strings | Weight<br>kg/pcs. | Part<br>Number | Contact<br>Configuration |
|--------------|------|------|------|-------|-------|-------|--------------------|----------------------|-------------------|----------------|--------------------------|
| 600V         | 700V | 800V | 900V | 1000V | 1200V | 1500V |                    |                      |                   |                |                          |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 1                    | 0.21              | SI16 SHML 2    |                          |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 1                    | 0.21              | SI25 SHML 2    |                          |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 1                    | 0.21              | SI32 SHML 2    |                          |
| 29A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 1                    | 0.27              | SI16 SHML 2H   |                          |
| 45A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 1                    | 0.27              | SI25 SHML 2H   |                          |
| 50A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 1                    | 0.27              | SI32 SHML 2H   |                          |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 2                    | 0.24              | SI16 SHML 4    |                          |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 2                    | 0.24              | SI25 SHML 4    |                          |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 2                    | 0.24              | SI32 SHML 4    |                          |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4                  | 1                    | 0.25              | SI16 SHML 4S   |                          |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4                  | 1                    | 0.25              | SI25 SHML 4S   |                          |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4                  | 1                    | 0.25              | SI32 SHML 4S   |                          |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4                  | 1                    | 0.25              | SI16 SHML 4T   |                          |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4                  | 1                    | 0.25              | SI25 SHML 4T   |                          |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4                  | 1                    | 0.25              | SI32 SHML 4T   |                          |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4                  | 1                    | 0.25              | SI16 SHML 4B   |                          |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4                  | 1                    | 0.25              | SI25 SHML 4B   |                          |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4                  | 1                    | 0.25              | SI32 SHML 4B   |                          |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 3                    | 0.39              | SI16 SHML 6    |                          |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 3                    | 0.39              | SI25 SHML 6    |                          |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 3                    | 0.39              | SI32 SHML 6    |                          |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 4                    | 0.44              | SI16 SHML 8    |                          |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 4                    | 0.44              | SI25 SHML 8    |                          |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 4                    | 0.44              | SI32 SHML 8    |                          |
| 29A          | 29A  | 29A  | 29A  | 29A   | 29A   | 16A   | 8                  | 1                    | 0.49              | SI16 SHML 4H   |                          |
| 45A          | 45A  | 45A  | 45A  | 45A   | 45A   | 20A   | 8                  | 1                    | 0.49              | SI25 SHML 4H   |                          |
| 58A          | 58A  | 58A  | 58A  | 58A   | 50A   | 23A   | 8                  | 1                    | 0.49              | SI32 SHML 4H   |                          |

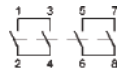
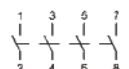
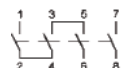
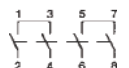
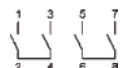
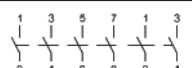
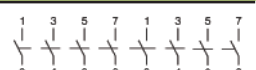
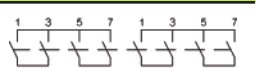
# Rotary Actuator Switch - Lockable Off



- Rotary Actuator Switch
- Lockable Off
- Base Mounting, Door Clutch, IP66
- Five Point Fixing, Handle Mount
- IP40 Body
- Rotary Handle 64mm<sup>2</sup>
- NEMA Type 3R



Shaft length is adjustable

| DC21B Rating |      |      |      |       |       |       | Poles<br>in series | Number<br>of Strings | Weight<br>kg/pcs. | Part<br>Number  | Contact<br>Configuration                                                              |
|--------------|------|------|------|-------|-------|-------|--------------------|----------------------|-------------------|-----------------|---------------------------------------------------------------------------------------|
| 600V         | 700V | 800V | 900V | 1000V | 1200V | 1500V |                    |                      |                   |                 |                                                                                       |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 1                    | 0.23              | SI16 BMDC64R 2  |  |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 1                    | 0.23              | SI25 BMDC64R 2  |                                                                                       |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 1                    | 0.23              | SI32 BMDC64R 2  |                                                                                       |
| 29A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 1                    | 0.28              | SI16 BMDC64R 2H |  |
| 45A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 1                    | 0.28              | SI25 BMDC64R 2H |                                                                                       |
| 50A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 1                    | 0.28              | SI32 BMDC64R 2H |                                                                                       |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 2                    | 0.26              | SI16 BMDC64R 4  |  |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 2                    | 0.26              | SI25 BMDC64R 4  |                                                                                       |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 2                    | 0.26              | SI32 BMDC64R 4  |                                                                                       |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4                  | 1                    | 0.27              | SI16 BMDC64R 4S |  |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4                  | 1                    | 0.27              | SI25 BMDC64R 4S |                                                                                       |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4                  | 1                    | 0.27              | SI32 BMDC64R 4S |                                                                                       |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4                  | 1                    | 0.27              | SI16 BMDC64R 4T |  |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4                  | 1                    | 0.27              | SI25 BMDC64R 4T |                                                                                       |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4                  | 1                    | 0.27              | SI32 BMDC64R 4T |                                                                                       |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4                  | 1                    | 0.27              | SI16 BMDC64R 4B |  |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4                  | 1                    | 0.27              | SI25 BMDC64R 4B |                                                                                       |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4                  | 1                    | 0.27              | SI32 BMDC64R 4B |                                                                                       |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 3                    | 0.39              | SI16 BMDC64R 6  |  |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 3                    | 0.39              | SI25 BMDC64R 6  |                                                                                       |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 3                    | 0.39              | SI32 BMDC64R 6  |                                                                                       |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 4                    | 0.44              | SI16 BMDC64R 8  |  |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 4                    | 0.44              | SI25 BMDC64R 8  |                                                                                       |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 4                    | 0.44              | SI32 BMDC64R 8  |                                                                                       |
| 29A          | 29A  | 29A  | 29A  | 29A   | 29A   | 16A   | 8                  | 1                    | 0.49              | SI16 BMDC64R 4H |  |
| 45A          | 45A  | 45A  | 45A  | 45A   | 45A   | 20A   | 8                  | 1                    | 0.49              | SI25 BMDC64R 4H |                                                                                       |
| 58A          | 58A  | 58A  | 58A  | 58A   | 50A   | 23A   | 8                  | 1                    | 0.49              | SI32 BMDC64R 4H |                                                                                       |

Special extended shafts available upon request, please contact IMO for more information.

# Lever Actuator Switch - Lockable Off for Distribution Boards



- Lever Actuator Switch
- Lockable Off
- For Distribution Boards
- IP40 Body
- NEMA Type 1



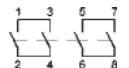
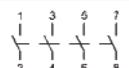
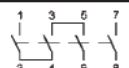
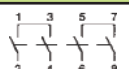
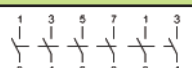
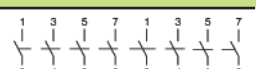
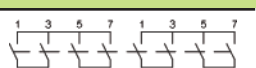
| DC21B Rating |      |      |      |       |       |       | Poles<br>in series | Number<br>of Strings | Weight<br>kg/pcs. | Part<br>Number | Contact<br>Configuration |
|--------------|------|------|------|-------|-------|-------|--------------------|----------------------|-------------------|----------------|--------------------------|
| 600V         | 700V | 800V | 900V | 1000V | 1200V | 1500V |                    |                      |                   |                |                          |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 1                    | 0.19              | SI16 DBL 2     |                          |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 1                    | 0.19              | SI25 DBL 2     |                          |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 1                    | 0.19              | SI32 DBL 2     |                          |
| 29A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 1                    | 0.25              | SI16 DBL 2H    |                          |
| 45A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 1                    | 0.25              | SI25 DBL 2H    |                          |
| 50A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 1                    | 0.25              | SI32 DBL 2H    |                          |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 2                    | 0.22              | SI16 DBL 4     |                          |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 2                    | 0.22              | SI25 DBL 4     |                          |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 2                    | 0.22              | SI32 DBL 4     |                          |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4                  | 1                    | 0.23              | SI16 DBL 4S    |                          |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4                  | 1                    | 0.23              | SI25 DBL 4S    |                          |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4                  | 1                    | 0.23              | SI32 DBL 4S    |                          |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4                  | 1                    | 0.23              | SI16 DBL 4T    |                          |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4                  | 1                    | 0.23              | SI25 DBL 4T    |                          |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4                  | 1                    | 0.23              | SI32 DBL 4T    |                          |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4                  | 1                    | 0.23              | SI16 DBL 4B    |                          |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4                  | 1                    | 0.23              | SI25 DBL 4B    |                          |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4                  | 1                    | 0.23              | SI32 DBL 4B    |                          |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 3                    | 0.36              | SI16 DBL 6     |                          |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 3                    | 0.36              | SI25 DBL 6     |                          |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 3                    | 0.36              | SI32 DBL 6     |                          |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 4                    | 0.41              | SI16 DBL 8     |                          |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 4                    | 0.41              | SI25 DBL 8     |                          |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 4                    | 0.41              | SI32 DBL 8     |                          |
| 29A          | 29A  | 29A  | 29A  | 29A   | 29A   | 16A   | 8                  | 1                    | 0.46              | SI16 DBL 4H    |                          |
| 45A          | 45A  | 45A  | 45A  | 45A   | 45A   | 20A   | 8                  | 1                    | 0.46              | SI25 DBL 4H    |                          |
| 58A          | 58A  | 58A  | 58A  | 58A   | 50A   | 23A   | 8                  | 1                    | 0.46              | SI32 DBL 4H    |                          |

# Rotary Actuator Switch - Lockable Off in Plastic Enclosure



- Rotary Actuator Switch
- Lockable Off
- Plastic Enclosure
- IP65
- NEMA Type 1



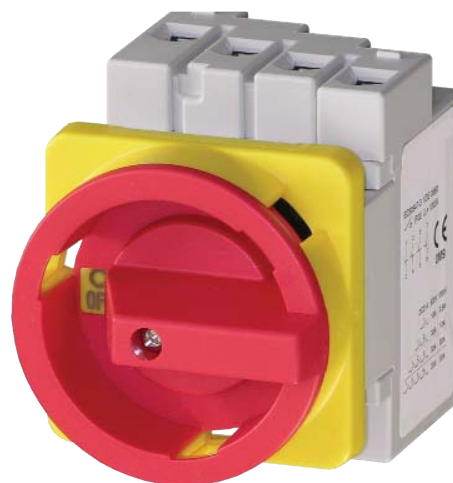
| DC21B Rating |      |      |      |       |       |       | Poles in series | Number of Strings | Weight kg/pcs. | Part Number    | Contact Configuration                                                                 |
|--------------|------|------|------|-------|-------|-------|-----------------|-------------------|----------------|----------------|---------------------------------------------------------------------------------------|
| 600V         | 700V | 800V | 900V | 1000V | 1200V | 1500V |                 |                   |                |                |                                                                                       |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2               | 1                 | 0.43           | SI16 PEL64R 2  |   |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2               | 1                 | 0.43           | SI25 PEL64R 2  |                                                                                       |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2               | 1                 | 0.43           | SI32 PEL64R 2  |                                                                                       |
| 29A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2               | 1                 | 0.49           | SI16 PEL64R 2H |  |
| 45A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2               | 1                 | 0.49           | SI25 PEL64R 2H |                                                                                       |
| 50A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2               | 1                 | 0.49           | SI32 PEL64R 2H |                                                                                       |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2               | 2                 | 0.46           | SI16 PEL64R 4  |  |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2               | 2                 | 0.46           | SI25 PEL64R 4  |                                                                                       |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2               | 2                 | 0.46           | SI32 PEL64R 4  |                                                                                       |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4               | 1                 | 0.47           | SI16 PEL64R 4S |  |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4               | 1                 | 0.47           | SI25 PEL64R 4S |                                                                                       |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4               | 1                 | 0.47           | SI32 PEL64R 4S |                                                                                       |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4               | 1                 | 0.47           | SI16 PEL64R 4T |  |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4               | 1                 | 0.47           | SI25 PEL64R 4T |                                                                                       |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4               | 1                 | 0.47           | SI32 PEL64R 4T |                                                                                       |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4               | 1                 | 0.47           | SI16 PEL64R 4B |  |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4               | 1                 | 0.47           | SI25 PEL64R 4B |                                                                                       |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4               | 1                 | 0.47           | SI32 PEL64R 4B |                                                                                       |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2               | 3                 | 1.57           | SI16 PEL64R 6  |  |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2               | 3                 | 1.57           | SI25 PEL64R 6  |                                                                                       |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2               | 3                 | 1.57           | SI32 PEL64R 6  |                                                                                       |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2               | 4                 | 1.62           | SI16 PEL64R 8  |  |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2               | 4                 | 1.62           | SI25 PEL64R 8  |                                                                                       |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2               | 4                 | 1.62           | SI32 PEL64R 8  |                                                                                       |
| 29A          | 29A  | 29A  | 29A  | 29A   | 29A   | 16A   | 8               | 1                 | 1.67           | SI16 PEL64R 4H |  |
| 45A          | 45A  | 45A  | 45A  | 45A   | 45A   | 20A   | 8               | 1                 | 1.67           | SI25 PEL64R 4H |                                                                                       |
| 58A          | 58A  | 58A  | 58A  | 58A   | 50A   | 23A   | 8               | 1                 | 1.67           | SI32 PEL64R 4H |                                                                                       |



# Emergency Stop Rotary Switch - Lockable Off



- Emergency Stop Rotary Switch
- Lockable Off
- Panel Mounting, IP66
- Rotary Handle 64mm<sup>2</sup>
- IP40 Body
- NEMA Type 3R



| DC21B Rating |      |      |      |       |       |       | Poles<br>in series | Number<br>of Strings | Weight<br>kg/pcs. | Part<br>Number   | Contact<br>Configuration |
|--------------|------|------|------|-------|-------|-------|--------------------|----------------------|-------------------|------------------|--------------------------|
| 600V         | 700V | 800V | 900V | 1000V | 1200V | 1500V |                    |                      |                   |                  |                          |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 1                    | 0.21              | SI16 ES-PM64R 2  |                          |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 1                    | 0.21              | SI25 ES-PM64R 2  |                          |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 1                    | 0.21              | SI32 ES-PM64R 2  |                          |
| 29A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 1                    | 0.26              | SI16 ES-PM64R 2H |                          |
| 45A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 1                    | 0.26              | SI25 ES-PM64R 2H |                          |
| 50A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 1                    | 0.26              | SI32 ES-PM64R 2H |                          |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 2                    | 0.24              | SI16 ES-PM64R 4  |                          |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 2                    | 0.24              | SI25 ES-PM64R 4  |                          |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 2                    | 0.24              | SI32 ES-PM64R 4  |                          |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4                  | 1                    | 0.25              | SI16 ES-PM64R 4S |                          |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4                  | 1                    | 0.25              | SI25 ES-PM64R 4S |                          |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4                  | 1                    | 0.25              | SI32 ES-PM64R 4S |                          |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4                  | 1                    | 0.25              | SI16 ES-PM64R 4T |                          |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4                  | 1                    | 0.25              | SI25 ES-PM64R 4T |                          |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4                  | 1                    | 0.25              | SI32 ES-PM64R 4T |                          |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4                  | 1                    | 0.25              | SI16 ES-PM64R 4B |                          |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4                  | 1                    | 0.25              | SI25 ES-PM64R 4B |                          |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4                  | 1                    | 0.25              | SI32 ES-PM64R 4B |                          |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 3                    | 0.37              | SI16 ES-PM64R 6  |                          |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 3                    | 0.37              | SI25 ES-PM64R 6  |                          |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 3                    | 0.37              | SI32 ES-PM64R 6  |                          |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 4                    | 0.42              | SI16 ES-PM64R 8  |                          |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 4                    | 0.42              | SI25 ES-PM64R 8  |                          |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 4                    | 0.42              | SI32 ES-PM64R 8  |                          |
| 29A          | 29A  | 29A  | 29A  | 29A   | 29A   | 16A   | 8                  | 1                    | 0.47              | SI16 ES-PM64R 4H |                          |
| 45A          | 45A  | 45A  | 45A  | 45A   | 45A   | 20A   | 8                  | 1                    | 0.47              | SI25 ES-PM64R 4H |                          |
| 58A          | 58A  | 58A  | 58A  | 58A   | 50A   | 23A   | 8                  | 1                    | 0.47              | SI32 ES-PM64R 4H |                          |

# Emergency Stop Lever Actuator Switch - Lockable Off



- Emergency Stop Lever Actuator Switch
- Lockable Off
- Base Mounting, Door Clutch, IP66
- Five Point Fixing Handle Mount
- Escutcheon Plate 64mm<sup>2</sup>
- IP40 Body
- MEMA Type 3R



| DC21B Rating |      |      |      |       |       |       | Poles in series | Number of Strings | Weight kg/pcs. | Part Number     | Contact Configuration |
|--------------|------|------|------|-------|-------|-------|-----------------|-------------------|----------------|-----------------|-----------------------|
| 600V         | 700V | 800V | 900V | 1000V | 1200V | 1500V |                 |                   |                |                 |                       |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2               | 1                 | 0.20           | SI16 ES-PM64 2  |                       |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2               | 1                 | 0.20           | SI25 ES-PM64 2  |                       |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2               | 1                 | 0.20           | SI32 ES-PM64 2  |                       |
| 29A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2               | 1                 | 0.25           | SI16 ES-PM64 2H |                       |
| 45A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2               | 1                 | 0.25           | SI25 ES-PM64 2H |                       |
| 50A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2               | 1                 | 0.25           | SI32 ES-PM64 2H |                       |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2               | 2                 | 0.23           | SI16 ES-PM64 4  |                       |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2               | 2                 | 0.23           | SI25 ES-PM64 4  |                       |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2               | 2                 | 0.23           | SI32 ES-PM64 4  |                       |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4               | 1                 | 0.24           | SI16 ES-PM64 4S |                       |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4               | 1                 | 0.24           | SI25 ES-PM64 4S |                       |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4               | 1                 | 0.24           | SI32 ES-PM64 4S |                       |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4               | 1                 | 0.24           | SI16 ES-PM64 4T |                       |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4               | 1                 | 0.24           | SI25 ES-PM64 4T |                       |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4               | 1                 | 0.24           | SI32 ES-PM64 4T |                       |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4               | 1                 | 0.24           | SI16 ES-PM64 4B |                       |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4               | 1                 | 0.24           | SI25 ES-PM64 4B |                       |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4               | 1                 | 0.24           | SI32 ES-PM64 4B |                       |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2               | 3                 | 0.36           | SI16 ES-PM64 6  |                       |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2               | 3                 | 0.36           | SI25 ES-PM64 6  |                       |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2               | 3                 | 0.36           | SI32 ES-PM64 6  |                       |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2               | 4                 | 0.41           | SI16 ES-PM64 8  |                       |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2               | 4                 | 0.41           | SI25 ES-PM64 8  |                       |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2               | 4                 | 0.41           | SI32 ES-PM64 8  |                       |
| 29A          | 29A  | 29A  | 29A  | 29A   | 29A   | 16A   | 8               | 1                 | 0.46           | SI16 ES-PM64 4H |                       |
| 45A          | 45A  | 45A  | 45A  | 45A   | 45A   | 20A   | 8               | 1                 | 0.46           | SI25 ES-PM64 4H |                       |
| 58A          | 27A  | 23A  | 20A  | 58A   | 50A   | 23A   | 8               | 1                 | 0.46           | SI32 ES-PM64 4H |                       |

Extended Switch Shaft for all switches for panel mounting: Type Suffix

x = panel thickness

+ "x"

# Emergency Stop Rotary Switch - Lockable Off



- Emergency Stop Rotary Switch
- Lockable Off
- Base Mounting, Door Clutch, IP66
- Five Point Fixing Handle Mount
- Rotary Handle 64mm<sup>2</sup>
- IP40 Body
- NEMA Type 3R



Shaft length is adjustable

| DC21B Rating |      |      |      |       |       |       | Poles<br>in series | Number<br>of Strings | Weight<br>kg/pcs. | Part<br>Number  | Contact<br>Configuration |
|--------------|------|------|------|-------|-------|-------|--------------------|----------------------|-------------------|-----------------|--------------------------|
| 600V         | 700V | 800V | 900V | 1000V | 1200V | 1500V |                    |                      |                   |                 |                          |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 1                    | 0.23              | SI16 ES-BMDC 2  |                          |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 1                    | 0.23              | SI25 ES-BMDC 2  |                          |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 1                    | 0.23              | SI32 ES-BMDC 2  |                          |
| 29A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 1                    | 0.28              | SI16 ES-BMDC 2H |                          |
| 45A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 1                    | 0.28              | SI25 ES-BMDC 2H |                          |
| 50A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 1                    | 0.28              | SI32 ES-BMDC 2H |                          |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 2                    | 0.26              | SI16 ES-BMDC 4  |                          |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 2                    | 0.26              | SI25 ES-BMDC 4  |                          |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 2                    | 0.26              | SI32 ES-BMDC 4  |                          |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4                  | 1                    | 0.27              | SI16 ES-BMDC 4S |                          |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4                  | 1                    | 0.27              | SI25 ES-BMDC 4S |                          |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4                  | 1                    | 0.27              | SI32 ES-BMDC 4S |                          |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4                  | 1                    | 0.27              | SI16 ES-BMDC 4T |                          |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4                  | 1                    | 0.27              | SI25 ES-BMDC 4T |                          |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4                  | 1                    | 0.27              | SI32 ES-BMDC 4T |                          |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4                  | 1                    | 0.27              | SI16 ES-BMDC 4B |                          |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4                  | 1                    | 0.27              | SI25 ES-BMDC 4B |                          |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4                  | 1                    | 0.27              | SI32 ES-BMDC 4B |                          |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 3                    | 0.39              | SI16 ES-BMDC 6  |                          |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 3                    | 0.39              | SI25 ES-BMDC 6  |                          |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 3                    | 0.39              | SI32 ES-BMDC 6  |                          |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 4                    | 0.44              | SI16 ES-BMDC 8  |                          |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 4                    | 0.44              | SI25 ES-BMDC 8  |                          |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 4                    | 0.44              | SI32 ES-BMDC 8  |                          |
| 29A          | 29A  | 29A  | 29A  | 29A   | 29A   | 16A   | 8                  | 1                    | 0.49              | SI16 ES-BMDC 4H |                          |
| 45A          | 45A  | 45A  | 45A  | 45A   | 45A   | 20A   | 8                  | 1                    | 0.49              | SI25 ES-BMDC 4H |                          |
| 58A          | 58A  | 58A  | 58A  | 58A   | 50A   | 23A   | 8                  | 1                    | 0.49              | SI32 ES-BMDC 4H |                          |

Special extended shafts available upon request, please contact IMO for more information.

# Emergency Stop Lever Actuator Switch - Lockable Off



- Emergency Stop Lever Actuator Switch
- Lockable Off
- Single Hole Mounting Ø22mm, IP66
- Escutcheon Plate 48mm<sup>2</sup>
- IP40 Body
- NEMA Type 3R



| DC21B Rating |      |      |      |       |       |       | Poles in series | Number of Strings | Weight kg/pcs. | Part Number    | Contact Configuration |
|--------------|------|------|------|-------|-------|-------|-----------------|-------------------|----------------|----------------|-----------------------|
| 600V         | 700V | 800V | 900V | 1000V | 1200V | 1500V |                 |                   |                |                |                       |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2               | 1                 | 0.21           | SI16 ES-SHM 2  |                       |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2               | 1                 | 0.21           | SI25 ES-SHM 2  |                       |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2               | 1                 | 0.21           | SI32 ES-SHM 2  |                       |
| 29A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2               | 1                 | 0.27           | SI16 ES-SHM 2H |                       |
| 45A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2               | 1                 | 0.27           | SI25 ES-SHM 2H |                       |
| 50A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2               | 1                 | 0.27           | SI32 ES-SHM 2H |                       |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2               | 2                 | 0.24           | SI16 ES-SHM 4  |                       |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2               | 2                 | 0.24           | SI25 ES-SHM 4  |                       |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2               | 2                 | 0.24           | SI32 ES-SHM 4  |                       |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4               | 1                 | 0.25           | SI16 ES-SHM 4S |                       |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4               | 1                 | 0.25           | SI25 ES-SHM 4S |                       |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4               | 1                 | 0.25           | SI32 ES-SHM 4S |                       |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4               | 1                 | 0.25           | SI16 ES-SHM 4T |                       |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4               | 1                 | 0.25           | SI25 ES-SHM 4T |                       |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4               | 1                 | 0.25           | SI32 ES-SHM 4T |                       |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4               | 1                 | 0.25           | SI16 ES-SHM 4B |                       |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4               | 1                 | 0.25           | SI25 ES-SHM 4B |                       |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4               | 1                 | 0.25           | SI32 ES-SHM 4B |                       |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2               | 3                 | 0.39           | SI16 ES-SHM 6  |                       |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2               | 3                 | 0.39           | SI25 ES-SHM 6  |                       |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2               | 3                 | 0.39           | SI32 ES-SHM 6  |                       |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2               | 4                 | 0.44           | SI16 ES-SHM 8  |                       |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2               | 4                 | 0.44           | SI25 ES-SHM 8  |                       |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2               | 4                 | 0.44           | SI32 ES-SHM 8  |                       |
| 29A          | 29A  | 29A  | 29A  | 29A   | 29A   | 16A   | 8               | 1                 | 0.49           | SI16 ES-SHM 4H |                       |
| 45A          | 45A  | 45A  | 45A  | 45A   | 45A   | 20A   | 8               | 1                 | 0.49           | SI25 ES-SHM 4H |                       |
| 58A          | 58A  | 58A  | 58A  | 58A   | 50A   | 23A   | 8               | 1                 | 0.49           | SI32 ES-SHM 4H |                       |

# Emergency Stop Rotary Switch - Lockable Off for Distribution Boards



- Emergency Stop Rotary Switch
- Lockable Off
- For Distribution Boards
- IP40
- NEMA Type 1



| DC21B Rating |      |      |      |       |       |       | Poles<br>in series | Number<br>of Strings | Weight<br>kg/pcs. | Part<br>Number | Contact<br>Configuration |
|--------------|------|------|------|-------|-------|-------|--------------------|----------------------|-------------------|----------------|--------------------------|
| 600V         | 700V | 800V | 900V | 1000V | 1200V | 1500V |                    |                      |                   |                |                          |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 1                    | 0.19              | SI16 ES-DB 2   |                          |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 1                    | 0.19              | SI25 ES-DB 2   |                          |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 1                    | 0.19              | SI32 ES-DB 2   |                          |
| 29A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 1                    | 0.25              | SI16 ES-DB 2H  |                          |
| 45A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 1                    | 0.25              | SI25 ES-DB 2H  |                          |
| 50A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 1                    | 0.25              | SI32 ES-DB 2H  |                          |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 2                    | 0.22              | SI16 ES-DB 4   |                          |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 2                    | 0.22              | SI25 ES-DB 4   |                          |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 2                    | 0.22              | SI32 ES-DB 4   |                          |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4                  | 1                    | 0.23              | SI16 ES-DB 4S  |                          |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4                  | 1                    | 0.23              | SI25 ES-DB 4S  |                          |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4                  | 1                    | 0.23              | SI32 ES-DB 4S  |                          |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4                  | 1                    | 0.23              | SI16 ES-DB 4T  |                          |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4                  | 1                    | 0.23              | SI25 ES-DB 4T  |                          |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4                  | 1                    | 0.23              | SI32 ES-DB 4T  |                          |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4                  | 1                    | 0.23              | SI16 ES-DB 4B  |                          |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4                  | 1                    | 0.23              | SI25 ES-DB 4B  |                          |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4                  | 1                    | 0.23              | SI32 ES-DB 4B  |                          |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 3                    | 0.36              | SI16 ES-DB 6   |                          |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 3                    | 0.36              | SI25 ES-DB 6   |                          |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 3                    | 0.36              | SI32 ES-DB 6   |                          |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2                  | 4                    | 0.41              | SI16 ES-DB 8   |                          |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2                  | 4                    | 0.41              | SI25 ES-DB 8   |                          |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2                  | 4                    | 0.41              | SI32 ES-DB 8   |                          |
| 29A          | 29A  | 29A  | 29A  | 29A   | 29A   | 16A   | 8                  | 1                    | 0.46              | SI16 ES-DB 4H  |                          |
| 45A          | 45A  | 45A  | 45A  | 45A   | 45A   | 20A   | 8                  | 1                    | 0.46              | SI25 ES-DB 4H  |                          |
| 58A          | 58A  | 58A  | 58A  | 58A   | 50A   | 23A   | 8                  | 1                    | 0.46              | SI32 ES-DB 4H  |                          |

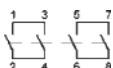
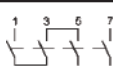
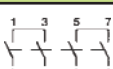
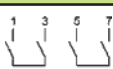
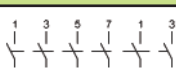
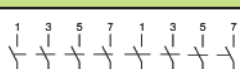
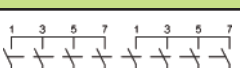


# Emergency Stop Rotary Switch - Lockable Off in Plastic Enclosure



- Emergency Stop Lever Actuator Switch
- Lockable Off
- Plastic Enclosure
- IP65
- NEMA Type 1

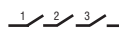
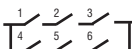
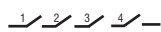
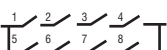


| DC21B Rating |      |      |      |       |       |       | Poles in series | Number of Strings | Weight kg/pcs. | Part Number    | Contact Configuration                                                                 |
|--------------|------|------|------|-------|-------|-------|-----------------|-------------------|----------------|----------------|---------------------------------------------------------------------------------------|
| 600V         | 700V | 800V | 900V | 1000V | 1200V | 1500V |                 |                   |                |                |                                                                                       |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2               | 1                 | 0.39           | SI16 ES-PEL 2  |   |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2               | 1                 | 0.39           | SI25 ES-PEL 2  |                                                                                       |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2               | 1                 | 0.39           | SI32 ES-PEL 2  |                                                                                       |
| 29A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2               | 1                 | 0.45           | SI16 ES-PEL 2H |  |
| 45A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2               | 1                 | 0.45           | SI25 ES-PEL 2H |                                                                                       |
| 50A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2               | 1                 | 0.45           | SI32 ES-PEL 2H |                                                                                       |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2               | 2                 | 0.42           | SI16 ES-PEL 4  |  |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2               | 2                 | 0.42           | SI25 ES-PEL 4  |                                                                                       |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2               | 2                 | 0.42           | SI32 ES-PEL 4  |                                                                                       |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4               | 1                 | 0.43           | SI16 ES-PEL 4S |  |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4               | 1                 | 0.43           | SI25 ES-PEL 4S |                                                                                       |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4               | 1                 | 0.43           | SI32 ES-PEL 4S |                                                                                       |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4               | 1                 | 0.43           | SI16 ES-PEL 4T |  |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4               | 1                 | 0.43           | SI25 ES-PEL 4T |                                                                                       |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4               | 1                 | 0.43           | SI32 ES-PEL 4T |                                                                                       |
| 16A          | 16A  | 16A  | 16A  | 16A   | 16A   | 16A   | 4               | 1                 | 0.43           | SI16 ES-PEL 4B |  |
| 25A          | 25A  | 25A  | 25A  | 25A   | 25A   | 20A   | 4               | 1                 | 0.43           | SI25 ES-PEL 4B |                                                                                       |
| 32A          | 32A  | 32A  | 32A  | 32A   | 32A   | 23A   | 4               | 1                 | 0.43           | SI32 ES-PEL 4B |                                                                                       |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2               | 3                 | 1.53           | SI16 ES-PEL 6  |  |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2               | 3                 | 1.53           | SI25 ES-PEL 6  |                                                                                       |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2               | 3                 | 1.53           | SI32 ES-PEL 6  |                                                                                       |
| 16A          | 16A  | 16A  | 13A  | 9A    | 6A    | 3A    | 2               | 4                 | 1.58           | SI16 ES-PEL 8  |  |
| 25A          | 23A  | 20A  | 16A  | 11A   | 8A    | 4A    | 2               | 4                 | 1.58           | SI25 ES-PEL 8  |                                                                                       |
| 32A          | 27A  | 23A  | 20A  | 13A   | 10A   | 5A    | 2               | 4                 | 1.58           | SI32 ES-PEL 8  |                                                                                       |
| 29A          | 29A  | 29A  | 29A  | 29A   | 29A   | 16A   | 8               | 1                 | 1.63           | SI16 ES-PEL 4H |  |
| 45A          | 45A  | 45A  | 45A  | 45A   | 45A   | 20A   | 8               | 1                 | 1.63           | SI25 ES-PEL 4H |                                                                                       |
| 58A          | 58A  | 58A  | 58A  | 58A   | 50A   | 23A   | 8               | 1                 | 1.63           | SI32 ES-PEL 4H |                                                                                       |

# Technical Data

Data according to IEC 60947-3, VDE 0660



| Main Contacts                                         |                                                                                     |                                              | Unit                                                                                | SI16                     | SI25  | SI32  |      |      |
|-------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------------------------------------------------------------|--------------------------|-------|-------|------|------|
| Rated thermal current I <sub>th</sub>                 |                                                                                     |                                              | A                                                                                   | 16                       | 25    | 32    |      |      |
| Rated insulation voltage U <sub>i</sub> <sup>1)</sup> |                                                                                     |                                              | V                                                                                   | 1000                     | 1000  | 1000  |      |      |
| Rated insulation voltage U <sub>i</sub> <sup>2)</sup> |                                                                                     |                                              | V                                                                                   | 1500V                    | 1500V | 1500V |      |      |
| Distance of contacts (per pole)                       |                                                                                     |                                              | mm                                                                                  | 8                        | 8     | 8     |      |      |
| Rated operational current I <sub>e</sub>              |                                                                                     |                                              |                                                                                     |                          |       |       |      |      |
| 1 pole                                                |    | 500V                                         | A                                                                                   | 9                        | 11    | 13    |      |      |
|                                                       |                                                                                     | 600V                                         | A                                                                                   | 6                        | 8     | 10    |      |      |
|                                                       |                                                                                     | 800V                                         | A                                                                                   | 3                        | 4     | 5     |      |      |
|                                                       |                                                                                     | 1000V                                        | A                                                                                   | 1.5                      | 2     | 2.5   |      |      |
| 2 Pole in series<br>2                                 |    | 500V                                         | A                                                                                   | 16                       | 25    | 32    |      |      |
|                                                       |                                                                                     | 600V                                         | A                                                                                   | 16                       | 25    | 32    |      |      |
|                                                       |                                                                                     | 700V                                         | A                                                                                   | 16                       | 23    | 27    |      |      |
|                                                       |                                                                                     | 800V                                         | A                                                                                   | 16                       | 20    | 23    |      |      |
|                                                       |                                                                                     | 900V                                         | A                                                                                   | 13                       | 16    | 20    |      |      |
|                                                       |                                                                                     | 1000V                                        | A                                                                                   | 9                        | 11    | 13    |      |      |
|                                                       |                                                                                     | 1200V                                        | A                                                                                   | 6                        | 8     | 10    |      |      |
|                                                       |                                                                                     | 1500V                                        | A                                                                                   | 3                        | 4     | 5     |      |      |
|                                                       |                                                                                     | 2 poles in series<br>+2 poles parallel<br>2H |  | 500V                     | A     | 29    | 45   | 58   |
|                                                       |                                                                                     |                                              |                                                                                     | 600V                     | A     | 29    | 45   | 50   |
| 700V                                                  | A                                                                                   |                                              |                                                                                     | 16                       | 23    | 27    |      |      |
| 800V                                                  | A                                                                                   |                                              |                                                                                     | 16                       | 20    | 23    |      |      |
| 900V                                                  | A                                                                                   |                                              |                                                                                     | 13                       | 16    | 20    |      |      |
| 1000V                                                 | A                                                                                   |                                              |                                                                                     | 9                        | 11    | 13    |      |      |
| 1200V                                                 | A                                                                                   |                                              |                                                                                     | 6                        | 8     | 10    |      |      |
| 1500V                                                 | A                                                                                   |                                              |                                                                                     | 3                        | 4     | 5     |      |      |
| 3 poles in series                                     |  |                                              |                                                                                     | 500V                     | A     | 16    | 25   | 32   |
|                                                       |                                                                                     |                                              |                                                                                     | 600V                     | A     | 16    | 25   | 32   |
|                                                       |                                                                                     | 700V                                         | A                                                                                   | 16                       | 25    | 32    |      |      |
|                                                       |                                                                                     | 800V                                         | A                                                                                   | 16                       | 25    | 32    |      |      |
|                                                       |                                                                                     | 900V                                         | A                                                                                   | 16                       | 25    | 32    |      |      |
|                                                       |                                                                                     | 1000V                                        | A                                                                                   | 16                       | 25    | 32    |      |      |
|                                                       |                                                                                     | 1200V                                        | A                                                                                   | 12                       | 14    | 16    |      |      |
|                                                       |                                                                                     | 1500V                                        | A                                                                                   | 9                        | 11    | 13    |      |      |
|                                                       |                                                                                     | 3 poles in series<br>+2 poles parallel<br>3H |  | 500V                     | A     | 29    | (45) | (58) |
|                                                       |                                                                                     |                                              |                                                                                     | 600V                     | A     | 29    | (45) | (50) |
| 700V                                                  | A                                                                                   |                                              |                                                                                     | 29                       | (38)  | (45)  |      |      |
| 800V                                                  | A                                                                                   |                                              |                                                                                     | 29                       | (38)  | (45)  |      |      |
| 900V                                                  | A                                                                                   |                                              |                                                                                     | 29                       | (38)  | (45)  |      |      |
| 1000V                                                 | A                                                                                   |                                              |                                                                                     | 29                       | (38)  | (45)  |      |      |
| 1200V                                                 | A                                                                                   |                                              |                                                                                     | 12                       | 14    | 16    |      |      |
| 1500V                                                 | A                                                                                   |                                              |                                                                                     | 9                        | 11    | 13    |      |      |
| 4 poles in series<br>4                                |  |                                              |                                                                                     | 500V                     | A     | 16    | 25   | 32   |
|                                                       |                                                                                     |                                              |                                                                                     | 600V                     | A     | 16    | 25   | 32   |
|                                                       |                                                                                     | 700V                                         | A                                                                                   | 16                       | 25    | 32    |      |      |
|                                                       |                                                                                     | 800V                                         | A                                                                                   | 16                       | 25    | 32    |      |      |
|                                                       |                                                                                     | 900V                                         | A                                                                                   | 16                       | 25    | 32    |      |      |
|                                                       |                                                                                     | 1000V                                        | A                                                                                   | 16                       | 25    | 32    |      |      |
|                                                       |                                                                                     | 1200V                                        | A                                                                                   | 16                       | 25    | 32    |      |      |
|                                                       |                                                                                     | 1500V                                        | A                                                                                   | 16                       | 20    | 23    |      |      |
|                                                       |                                                                                     | 4 poles in series<br>+2 poles parallel<br>4H |  | 500V                     | A     | 29    | 45   | 58   |
|                                                       |                                                                                     |                                              |                                                                                     | 600V                     | A     | 29    | 45   | 58   |
| 700V                                                  | A                                                                                   |                                              |                                                                                     | 29                       | 45    | 58    |      |      |
| 800V                                                  | A                                                                                   |                                              |                                                                                     | 29                       | 45    | 58    |      |      |
| 900V                                                  | A                                                                                   |                                              |                                                                                     | 29                       | 45    | 58    |      |      |
| 1000V                                                 | A                                                                                   |                                              |                                                                                     | 29                       | 45    | 58    |      |      |
| 1200V                                                 | A                                                                                   |                                              |                                                                                     | 29                       | 45    | 50    |      |      |
| 1500V                                                 | A                                                                                   |                                              |                                                                                     | 16                       | 20    | 23    |      |      |
| Rated operational current I <sub>e</sub>              |                                                                                     |                                              |                                                                                     |                          |       |       |      |      |
| AC21B                                                 | 2,4                                                                                 |                                              |                                                                                     | U <sub>e</sub> max. 440V | A     | 16    | 25   | 32   |
|                                                       | 2H                                                                                  | U <sub>e</sub> max. 440V                     | A                                                                                   | 29                       | 45    | 58    |      |      |

1) Suitable at 1000V for: earthed-neutral systems, overvoltage category I to III, pollution degree 3 (standard-industry):  $U_{imp}=8kV$   
2) Suitable at 1000V for: earthed-neutral systems, overvoltage category I to III, pollution degree 2 (min. IP55):  $U_{imp}=8kV$ .  
Data for other conditions on request.

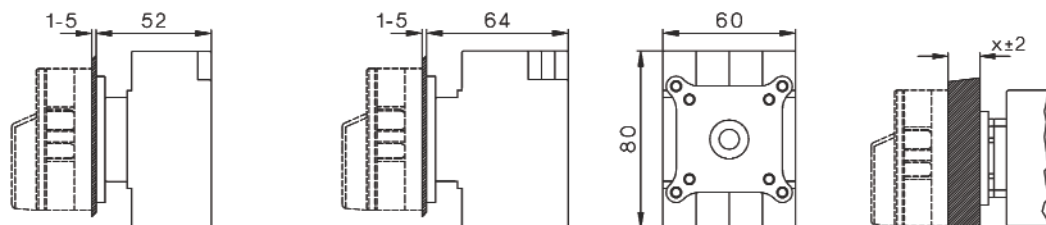
| Main Contacts                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       | Unit                 | SI16                                                                 | SI25      | SI32      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------|----------------------------------------------------------------------|-----------|-----------|
| Rated operational current I <sub>e</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |                      |                                                                      |           |           |
| <div><div>1 pole</div><div>1</div><div></div><div>2 poles in series</div><div>2</div><div></div><div>3 poles in series</div><div>3</div><div></div><div>4 poles in series</div><div></div></div> | 500V  | A                    | 1                                                                    | 1.25      | 1.5       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 600V  | A                    | 0.5                                                                  | 0.75      | 1         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 800V  | A                    | 0.3                                                                  | 0.4       | 0.5       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1000V | A                    | 0.15                                                                 | 0.2       | 0.25      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 500V  | A                    | 7                                                                    | 8         | 9         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 600V  | A                    | 5.5                                                                  | 6         | 6.5       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 800V  | A                    | 2                                                                    | 2.5       | 3         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1000V | A                    | 1                                                                    | 1.5       | 2         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 500V  | A                    | 16                                                                   | 25        | 27        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 600V  | A                    | 16                                                                   | 23        | 25        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 800V  | A                    | 6.5                                                                  | 7         | 7.5       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1000V | A                    | 5.5                                                                  | 6         | 6.5       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 500V  | A                    | 16                                                                   | 25        | 32        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 600V  | A                    | 16                                                                   | 25        | 27.5      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 800V  | A                    | 11.5                                                                 | 12        | 12.5      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1000V | A                    | 8                                                                    | 9         | 10        |
| Rated conditional short-circuit current                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       | kA <sub>eff</sub>    | 5                                                                    | 5         | 5         |
| Max. fuse size gl (gG)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |       | A                    | 40                                                                   | 63        | 80        |
| Mechanical Life                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       | x10 <sup>3</sup>     | 10                                                                   | 10        | 10        |
| Rated short-time withstand current (1s) I <sub>cw</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       | 2, 4, 6, 8           | 800                                                                  | 900       | 1000      |
| withstand current (1s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |       | 2H, 3H, 4H           | 1300                                                                 | 1500      | 1700      |
| Short circuit making capacity I <sub>cw</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       | 2, 4, 6, 8           | 800                                                                  | 900       | 1000      |
| making capacity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       | 2H, 3H, 4H           | 1300                                                                 | 1500      | 1700      |
| Maximum cable cross sections                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | (inc. jumper SIV-B1) |                                                                      |           |           |
| Solid or stranded                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       | mm <sup>2</sup>      | 4 - 16                                                               | 4 - 16    | 4 - 16    |
| Flexible                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       | mm <sup>2</sup>      | 4 - 10                                                               | 4 - 10    | 4 - 10    |
| Flexible (+ multicore cable end)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       | mm <sup>2</sup>      | 4 - 10                                                               | 4 - 10    | 4 - 10    |
| Size of terminal screw                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |       |                      | M4 Pz2                                                               | M4 Pz2    | M4 Pz2    |
| Tightening torque                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       | Nm                   | 1.2 - 1.8                                                            | 1.2 - 1.8 | 1.2 - 1.8 |
| Maximum ambient temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       |                      |                                                                      |           |           |
| Operation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       | °C                   | -40 to + 65 (de-rating for +70 = 32A to 30A, 25A to 24A, 16A to 15A) |           |           |
| Enclosed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       | °C                   | -40 to + 45                                                          |           |           |
| Storage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       | °C                   | -50 to + 90                                                          |           |           |
| Power loss per switch at I <sub>e max.</sub> DC21B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |                      |                                                                      |           |           |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       | W                    | 2                                                                    | 5         | 8         |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       | W                    | 4                                                                    | 10        | 16        |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       | W                    | 6                                                                    | 15        | 24        |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       | W                    | 8                                                                    | 20        | 32        |
| 2H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       | W                    | 3.5                                                                  | 8.5       | 14        |
| 3H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       | W                    | 5.5                                                                  | 13        | 21        |
| 4H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       | W                    | 7                                                                    | 17        | 28        |

| Main Contacts                                                                                                                  |      | Unit                      | SI16    | SI25    | SI32    |
|--------------------------------------------------------------------------------------------------------------------------------|------|---------------------------|---------|---------|---------|
| Ampere-Rating "General use" (AC)                                                                                               |      |                           |         |         |         |
| 1 pole<br>1<br>                             | 350V | A                         | 4       | 5       | 6       |
|                                                                                                                                | 500V | A                         | 4       | 5       | 6       |
|                                                                                                                                | 600V | A                         | 4       | 5       | 6       |
| 2 poles in series<br>                       | 350V | A                         | 16      | 20      | 25      |
|                                                                                                                                | 500V | A                         | 16      | 20      | 25      |
|                                                                                                                                | 600V | A                         | 16      | 20      | 25      |
| 2 poles in series<br>+ 2 poles parallel<br> | 350V | A                         | 29      | 45      | 58      |
|                                                                                                                                | 500V | A                         | 29      | 38      | 40      |
|                                                                                                                                | 600V | A                         | 21      | 23      | 25      |
| 3 poles in series<br>                       | 350V | A                         | 16      | 25      | 32      |
|                                                                                                                                | 500V | A                         | 16      | 25      | 32      |
|                                                                                                                                | 600V | A                         | 16      | 25      | 32      |
| 4 poles in series<br>                       | 350V | A                         | 16      | 25      | 32      |
|                                                                                                                                | 500V | A                         | 16      | 25      | 32      |
|                                                                                                                                | 600V | A                         | 16      | 25      | 32      |
| Fuse size (RK5)                                                                                                                |      | Industrial Control Switch |         |         |         |
| 5kA / 600V                                                                                                                     |      | A                         | 40      | 60      | 80      |
| Maximum cable cross sections (incl. jumper SIV-B1)                                                                             |      |                           |         |         |         |
| Solid or stranded                                                                                                              |      | AWG                       | 12 - 10 | 12 - 10 | 12 - 10 |
| Flexible                                                                                                                       |      | AWG                       | 12 - 6  | 12 - 6  | 12 - 6  |
| Flexible (+ multicore cable end)                                                                                               |      | AWG                       | 12 - 6  | 12 - 6  | 12 - 6  |
| Size of terminal screw                                                                                                         |      |                           | M4 Pz2  | M4 Pz2  | M4 Pz2  |
| Tightening torque                                                                                                              |      | lb.inch                   | 11 - 16 | 11 - 16 | 11 - 16 |

# Dimensions

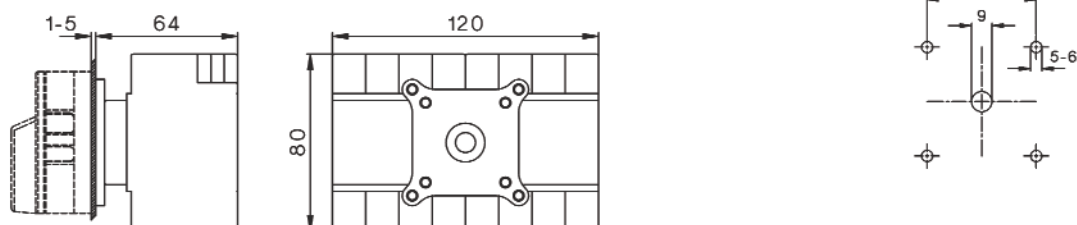
SI16 PM/ES-PM, SI25 PM/ES-PM, SI32 PM/ES-PM  
..2 ..2+2H, ..4.

SI...+ "x"  
Extended Switch Shadt



SI16 PM/ES-PM, SI25 PM/ES-PM, SI32 PM/ES-PM  
..6, ..8, ..3H, ..4H

Mounting holes

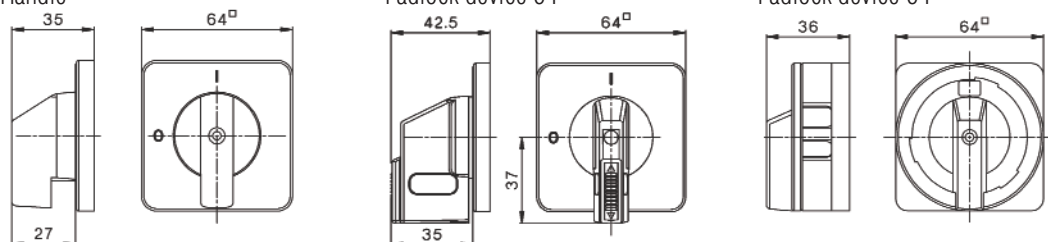


Escutcheon plate 64

Handle

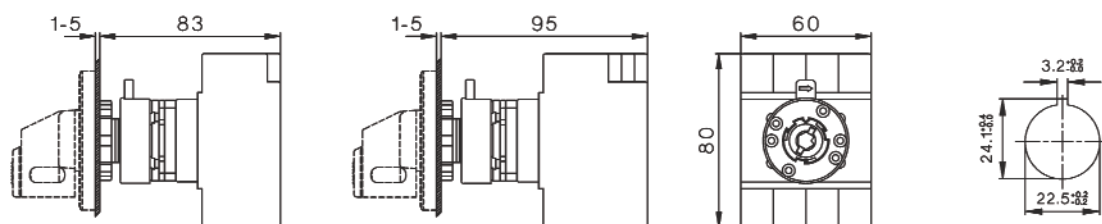
Padlock device 64

Padlock device 64

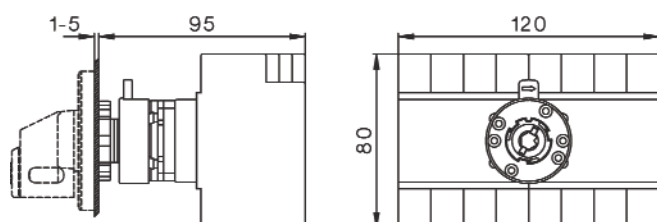


SI16 SHM/ES-SHM, SI25 SHM/ES-SHM, SI32 SHM/ES-SHM  
..2 ..2H, ..4.

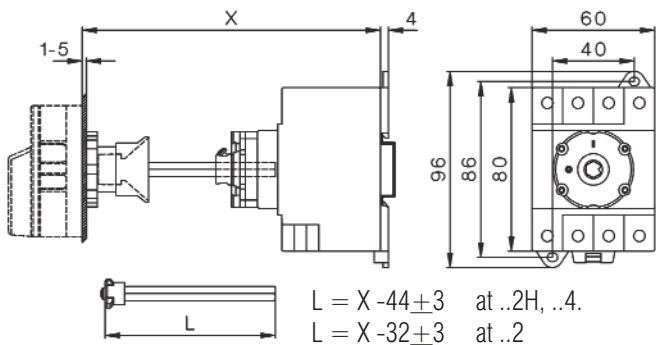
Mounting hole



SI16 SHM/ES-SHM, SI25 SHM/ES-SHM, SI32 SHM/ES-SHM  
..6, ..8, ..3H, ..4H



SI16 BMDC/ES-BMDC, SI25 BMDC/ES-BMDC, SI32 BMDC/ES-BMDC



$L = X - 44 \pm 3$  at ..2H, ..4.  
 $L = X - 32 \pm 3$  at ..2

Delivered with: ..2H, ..4. :

$X_{\max} = 194, L + 150$   
 $(X_{\min} = 95)$

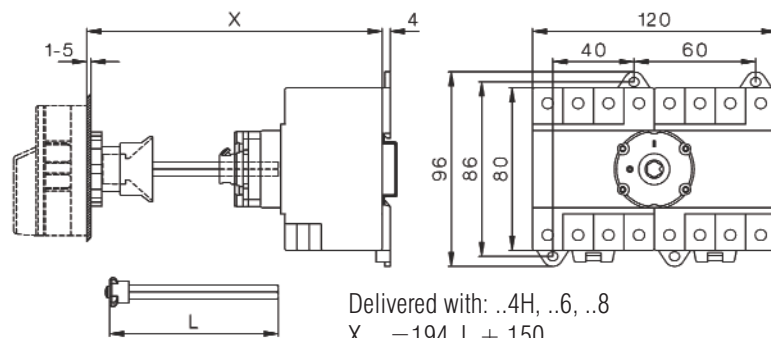
Delivered with: ..2:

$X_{\max} = 182, L + 150$   
 $(X_{\min} = 83)$

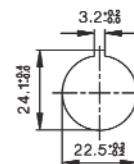
greater x-Dimensions on request

SI16 BMDC/ES-BMDC, SI25 BMDC/ES-BMDC, SI32 BMDC/ES-BMDC  
 ..6, ..8, ..3H, ..4H

Mounting hole



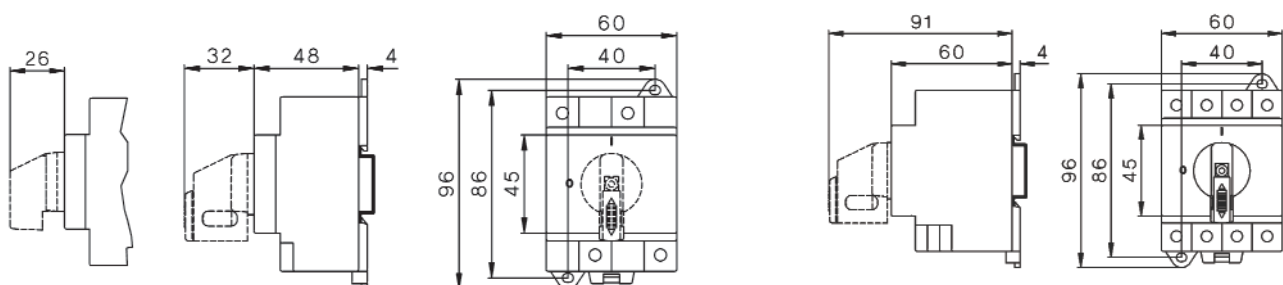
Delivered with: ..4H, ..6, ..8  
 $X_{\max} = 194, L + 150$   
 $(X_{\min} = 95)$



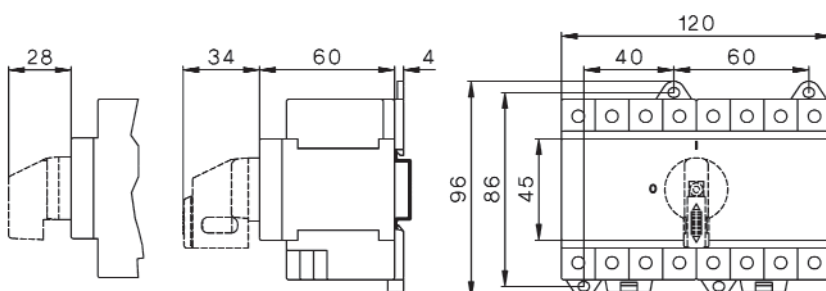
$L = X - 44 \pm 3$

SI16 DB/DBL/ES-DB, SI25 DB/DBL/ES-DB, SI32 DB/DBL/ES-DB  
 ..2

..2 + 2H, ..4.



SI16 DB/DBL/ES-DB, SI25 DB/DBL/ES-DB, SI32 DB/DBL/ES-DB  
 ..6, ..8, ..3H, ..4H





# Dimensions (continued)

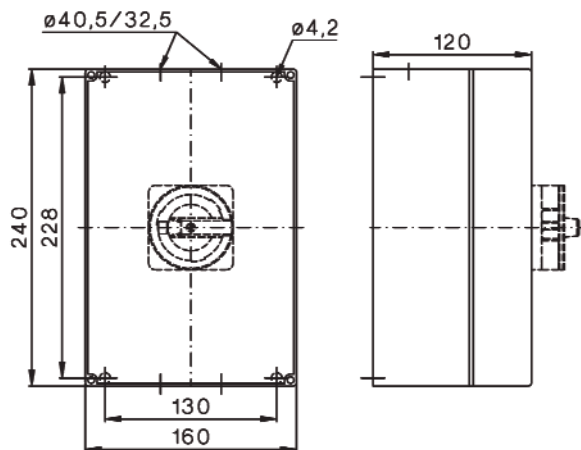
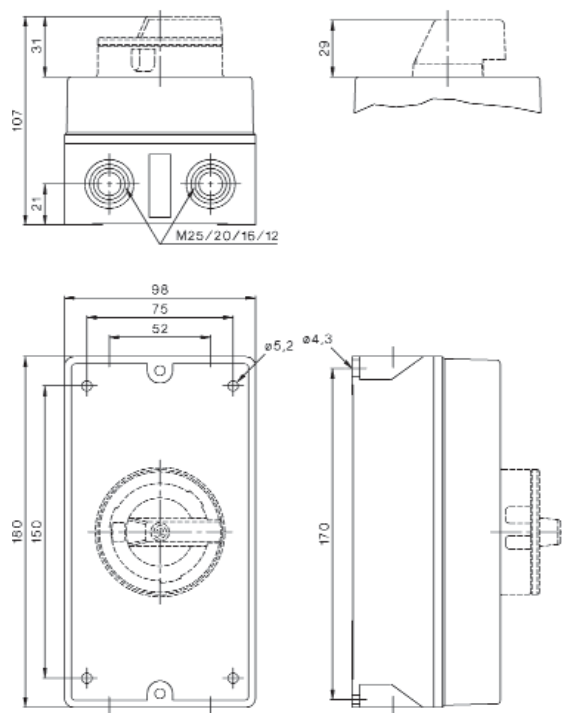
SI16 PEL64 / PEL64R / ES-PEL

SI25 PEL64 / PEL64R / ES-PEL

SI32 PEL64 / PEL64R / ES-PEL

..2, ..2H, ..4

..6, ..8, ..3H, ..4H



# Enclosed AC Isolator

- 3 and 4 pole (6-8 Pole available on request)
- On load 20A - 80A
- Red/Yellow Handle
- 3 Padlock Positions
- IP65

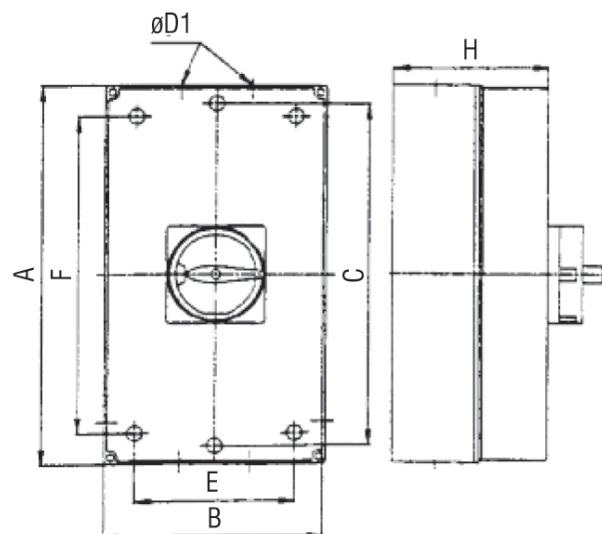


## Specification

| PE.. (e.g. PE69-3020)        | Unit             | 69-3020<br>69-4020 | 69-3025<br>69-4025 | 69-3032<br>69-4032 | 69-3040<br>69-4040 | 69-3063<br>69-4063 | 69-3080<br>69-4080 |
|------------------------------|------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Rated insulation voltage     | Ui               | 690V               | 690V               | 690V               | 690V               | 690V               | 690V               |
| Rated thermal current        | Ith              | 20A                | 25A                | 32A                | 40A                | 63A                | 80A                |
| Ratings @ 415V               |                  |                    |                    |                    |                    |                    |                    |
| AC21                         | A                | 20                 | 25                 | 32                 | 40                 | 63                 | 80                 |
| AC22                         | A                | 20                 | 25                 | 32                 | 40                 | 63                 | 80                 |
| AC23                         | Kw               | 5.5                | 7.5                | 11                 | 15                 | 18.5               | 22                 |
| Making capacity @ 415V       | Aeff             | 120                | 150                | 220                | 300                | 370                | 44                 |
| Breaking capacity @415V      | Aeff             | 110                | 135                | 200                | 250                | 330                | 380                |
| Electrical Life @ rated load |                  |                    |                    |                    |                    |                    |                    |
| Mechanical Life              | x10 <sup>3</sup> | 100                | 100                | 100                | 100                | 100                | 100                |
| Maximum cable size           | mm <sup>2</sup>  | 10                 | 10                 | 10                 | 10                 | 25                 | 25                 |
| Weight                       | g                | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               | 0.46               |

## Dimensions

| Switch Rating | A   | B   | D1                    | E  | F   | H  |
|---------------|-----|-----|-----------------------|----|-----|----|
| 20A to 40A    | 130 | 98  | 2xM20/25              | 75 | 100 | 77 |
| 63A and 80A   | 200 | 120 | M40.5/<br>32.5 + 16.5 | 95 | 165 | 86 |



# Unrivalled Choice From the World's Finest



**From a single product to a complete application solution, IMO has the product range and knowledge to meet today's most demanding application requirements.**

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 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. A selection of our solar energy products are illustrated below:



## Solar Isolators

Specifically developed for arduous DC disconnect applications, the IMO range of Solar Isolators feature an operator independent trigger ratchet switching mechanism resulting in switching times of less than 5ms. High reliability knife edge contacts and long arc cooling chambers ensure safe and effective isolation of DC voltages within solar installations.

Available in 2 to 8 pole versions in a wide variety of mounting and handle configurations, the IMO Solar Isolator range is suitable for most OEM or site installation applications.



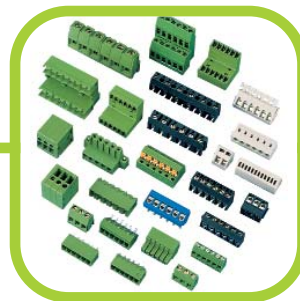
## Solar Relays

Long a market leader in pcb and industrial relay technology, IMO has introduced a range of solar relays specifically developed to meet the high contact gap and insulation requirements of modern solar applications.

The features include:

- High reliability 1 pole or 2 pole contact configurations
- PCB and chassis mount versions
- High switching capacity of up to 31A available
- Contact gap of up to 3mm available
- Dielectric strength ratings of up to 5KV

Whatever the requirement, IMO's range of solar relays offer the most advanced solution for your applications needs.



## PCB Terminals

Our comprehensive range of PCB terminal blocks include, cable to board, plug and socket and screwless technologies giving the greatest flexibility to meet the most demanding Solar design applications. Suitable for both system (DC) or consumer (AC) side of the installation benefits include:

- Pitches up to 15.24mm
- Cable entry sizes up to 16mm<sup>2</sup>
- Rated up to 76A @ 1000VAC (IEC) and 57A @ 600VAC
- Multiple decks available up to three rows.
- Screw flange versions available to ensure connection integrity.
- Screwless plugs available to reduce assembly time.



## iCube Controller

The iCube Intelligent Controller combines reliable PLC technology, display interface and the most advanced communications options into a single economical simple to program unit. Used in combination with luminosity sensor equipment the iCube operates as the ideal tracking device to control solar panel orientation and ensure maximum installation efficiency.

Its IP65 rating enables it to be mounted externally if required and its Modbus communications give seamless connectivity to other energy devices such as power meters. The optional GPRS/GSM modem transforms the iCube enabling remote access, text messaging and emailing.



### Solar Connectors

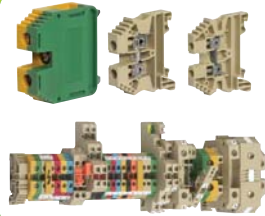
Mobile connectors are used to connect PV panels in series, allow cabling to be linked together and provide connection to Branch and Panel connectors.

Branch connectors are used to link multiple strings together.

Panel connectors mount on solar string boxes, enclosed DC isolators and any other enclosed DC switching device allowing easy connection to the rest of the PV system.

#### Key Features:

- 1000V DC 30A Rated
- For 4-6mm<sup>2</sup> Cables
- Secure Easy Clip and Release System
- IP67 Protection
- UL94-5VA Fire approved
- Class 2 Protection



### DIN Terminals

The IMO range of DIN Rail Terminals provides a host of features including UL and ATEX approvals, multiple colour options and easy marker system with plotter for the solar OEM engineer.

Strengthened crossbars ensure high reliability and all terminals are supplied open for rapid assembly or installation.

Available in sizes from 2.5mm<sup>2</sup> to 240mm and in Screw or Spring clamp versions, the IMO DIN Rail Terminal range has the right solution for today's solar OEM applications.

