

Solar Isolator Range



Bright solutions

IMO Renewable Energy Range

IMO is at the forefront of control component technology specifically developed for the renewable energy market and, in particular, solar energy. Whether meeting the demands of safe and efficient DC switching or delivering 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 or 4 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 available
- High switching capacity of up to 31A available
- Contact gap of up to 3mm available
- Dielectric Strength ratings of up to 5KV available

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 the key benefits of IMO terminals include:-

- Pitches available up to 15.24mm.
- Cable entry sizes available up to 16mm².
- 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 insulation efficiency.

Its IP65 rating offers the flexibility of mounting externally if required and Modbus communications as standard give seamless connectivity to other energy devices such as power meters. The optional GPRS/GSM modem increases the functionality further by enabling remote access such as a remote terminal unit (RTU) plus other features such as text messaging and emailing.



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Rotary Actuator Switch Lockable Off, Panel Mounting



Lever Actuator Switch Lockable Off for Distribution Board



Lever Actuator Switch Lockable Off, Single Hole Mounting



Rotary Actuator Switch Lockable Off in Plastic Enclosure



Rotary Actuator Switch Lockable Off, Base Mounting

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Emergency Stop Lever Actuator Switch Lockable Off, Panel Mounting



Emergency Stop Rotary Switch Lockable Off, Single Hole Mounting



Emergency Stop Rotary Switch Lockable Off, Panel Mounting



Emergency Stop Lever Actuator Switch Lockable Off for Distribution Board



Emergency Stop Lever Actuator Switch Lockable Off, Single Hole Mounting



Emergency Stop Rotary Switch Lockable Off in Plastic Enclosure

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Solar Isolator for Photovoltaic Applications

The IMO "SI" Solar Isolator range has been specifically developed as a "True DC" switch rather than a modified AC 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.

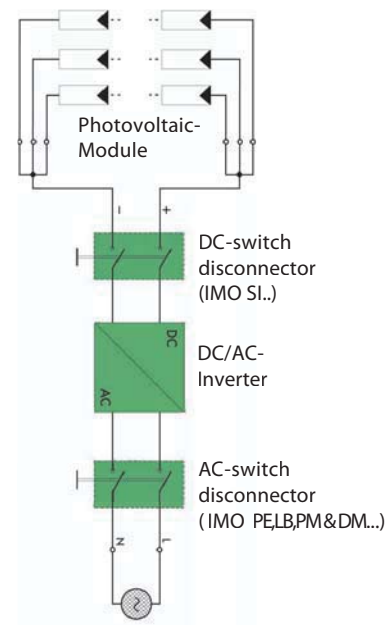
Key Features

- Available in 2 or 4 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 16mm² 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 _{th} Open A	DC21B at U _e 4 poles in series A V		Design	Panel mounting	Single hole mounting Ø22,5mm	Base mounting w. door coupling	Modular switch	Plastic enclosed
									
SI16	16	16	1000		..PM64..	..SHM..	..BMDC64..	..DB..	..PE64..
SI25	25	25	1000		..PM64..	..SHM..	..BMDC64..	..DB..	..PE64..
SI32	32	32	1000		..PM64..	..SHM..	..BMDC64..	..DB..	..PE64..

Standard Actuator Versions					Emergency Stop Versions				
Panel mounting	Single hole mounting Ø22,5mm	Base mounting with door coupling	Modular switch	Plastic enclosed	Panel mounting	Single hole mounting Ø22,5mm	Base mounting with door coupling	Modular switch	Plastic enclosed
..PM64R..	..SHML..	..BMDC64R..	..DBL..	..PR64R..	..ES-PM64R..	..ES-SHM..	..ES-BMDC..	..ES-DB..	..ES-PE..
..PM64R..	..SHML..	..BMDC64R..	..DBL..	..PR64R..	..ES-PM64R..	..ES-SHM..	..ES-BMDC..	..ES-DB..	..ES-PE..
..PM64R..	..SHML..	..BMDC64R..	..DBL..	..PR64R..	..ES-PM64R..	..ES-SHM..	..ES-BMDC..	..ES-DB..	..ES-PE..

Technical data for DC, according to IEC 60947-3, VDE0660

Type		DC21B						DC22B			
		500V	600V	700V	800V	900V	1000V	500V	600V	800V	1000V
SI16 ..		16A	16A	16A	16A	13A	9A	7A	5,5A	2A	1A
		29A	29A	16A	16A	13A	9A	-	-	-	-
		16A	16A	16A	16A	16A	16A	16A	16A	11,5A	8A
		29A	29A	29A	29A	29A	29A	-	-	-	-
SI25 ..		25A	25A	23A	20A	16A	11A	8A	6A	2,5A	1,5A
		45A	45A	23A	20A	16A	11A	-	-	-	-
		25A	25A	25A	25A	25A	25A	25A	25A	12A	9A
		45A	45A	45A	45A	45A	45A	-	-	-	-
SI32 ..		32A	32A	27A	23A	20A	13A	9A	6,5A	3A	2A
		58A	50A	27A	23A	20A	13A	-	-	-	-
		32A	32A	32A	32A	32A	32A	32A	27,5A	12,5A	10A
		58A	58A	58A	58A	58A	58A	-	-	-	-

DC21B Switching of DC-resistive loads including moderate overloads, Time constant L/R ≤1ms

DC22B Switching of DC-resistive and inductive loads including moderate overloads, Time constant L/R ≤2,5ms

Switching configurations

Type	2-pole	2+2-pole 2 poles in series +2 poles parallel	4-pole	4-pole with jumpers Input on top Output bottom	4-pole with jumpers Input and Output bottom	4-pole with jumpers Input and 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						
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Switching example						
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Type	6-pole	3+ 2-pole 3 poles in series + 2 poles parallel	8-pole	4+ 2-pole 4 poles in series + 2 poles parallel
SI16	...6	.. 3H	... 8	.. 4H
SI25	...6	.. 3H	... 8	.. 4H
SI32	...6	.. 3H	... 8	.. 4H

Contacts Wiring diagram				
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Switching example				
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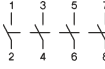
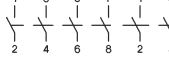
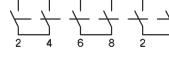
Insulated Jumper SIV-B1 for series and parallel switching of contacts



Type	Pack	Weight
SIV-B1	1	6,6 g/pc.

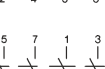
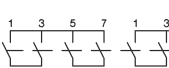
Lever Actuator Switch, Panel Mounting, Escutcheon plate 64□, IP66, Typ 3R¹⁾



	DC21B 600V DC	1000V DC	Poles in series	Number of Strings	Type	Pack pcs	Weight kg/pcs.
	16A	9A	2	1	SI16 PM64 2	1	0,20
	25A	11A	2	1	SI25 PM64 2	1	0,20
	32A	13A	2	1	SI32 PM64 2	1	0,20
	29A	9A	2	1	SI16 PM64 2H	1	0,25
	45A	11A	2	1	SI25 PM64 2H	1	0,25
	50A	13A	2	1	SI32 PM64 2H	1	0,25
	16A	9A	2	2	SI16 PM64 4	1	0,23
	25A	11A	2	2	SI25 PM64 4	1	0,23
	32A	13A	2	2	SI32 PM64 4	1	0,23
	16A	16A	4	1	SI16 PM64 4S	1	0,24
	25A	25A	4	1	SI25 PM64 4S	1	0,24
	32A	32A	4	1	SI32 PM64 4S	1	0,24
	16A	16A	4	1	SI16 PM64 4T	1	0,24
	25A	25A	4	1	SI25 PM64 4T	1	0,24
	32A	32A	4	1	SI32 PM48 4T	1	0,24
	16A	16A	4	1	SI16 PM64 4B	1	0,24
	25A	25A	4	1	SI25 PM64 4B	1	0,24
	32A	32A	4	1	SI32 PM64 4B	1	0,24
	16A	9A	2	3	SI16 PM64 6	1	0,36
	25A	11A	2	3	SI25 PM64 6	1	0,36
	32A	13A	2	3	SI32 PM64 6	1	0,36
	16A	9A	2	4	SI16 PM64 8	1	0,41
	25A	11A	2	4	SI25 PM64 8	1	0,41
	32A	13A	2	4	SI32 PM64 8	1	0,41
	29A	29A	4	1	SI16 PM64 4H	1	0,46
	45A	45A	4	1	SI25 PM64 4H	1	0,46
	58A	58A	4	1	SI32 PM64 4H	1	0,46

Lever Actuator Switch, Single Hole Mounting Ø22mm, Escutcheon plate 48□, IP66, Type 3R¹⁾



	DC21B 600V DC	1000V DC	Poles in series	Number of Strings	Type	Pack pcs	Weight kg/pcs.
	16A	9A	2	1	SI16 SHM 2	1	0,21
	25A	11A	2	1	SI25 SHM 2	1	0,21
	32A	13A	2	1	SI32 SHM 2	1	0,21
	29A	9A	2	1	SI16 SHM 2H	1	0,26
	45A	11A	2	1	SI25 SHM 2H	1	0,26
	50A	13A	2	1	SI32 SHM 2H	1	0,26
	16A	9A	2	2	SI16 SHM 4	1	0,23
	25A	11A	2	2	SI25 SHM 4	1	0,23
	32A	13A	2	2	SI32 SHM 4	1	0,23
	16A	16A	4	1	SI16 SHM 4S	1	0,25
	25A	25A	4	1	SI25 SHM 4S	1	0,25
	32A	32A	4	1	SI32 SHM 4S	1	0,25
	16A	16A	4	1	SI16 SHM 4T	1	0,25
	25A	25A	4	1	SI25 SHM 4T	1	0,25
	32A	32A	4	1	SI32 SHM 4T	1	0,25
	16A	16A	4	1	SI16 SHM 4B	1	0,25
	25A	25A	4	1	SI25 SHM 4B	1	0,25
	32A	32A	4	1	SI32 SHM 4B	1	0,25
	16A	9A	2	3	SI16 SHM 6	1	0,38
	25A	11A	2	3	SI25 SHM 6	1	0,38
	32A	13A	2	3	SI32 SHM 6	1	0,38
	16A	9A	2	4	SI16 SHM 8	1	0,43
	25A	11A	2	4	SI25 SHM 8	1	0,43
	32A	13A	2	4	SI32 SHM 8	1	0,43
	29A	29A	4	1	SI16 SHM 4H	1	0,48
	45A	45A	4	1	SI25 SHM 4H	1	0,48
	58A	58A	4	1	SI32 SHM 4H	1	0,48

1) UL-Approbation for designs 4H in test.

Lever Actuator Switch, Base Mounting, Door Clutch, Single Hole, Plate 64[□], IP66, us Typ 1¹⁾



Depth is adjustable

		DC21B 600V DC	1000V DC	Poles in series	Number of Strings	Type	Pack pcs	Weight kg/pcs.
		16A	9A	2	1	SI16 BMDC64 2	1	0,22
		25A	11A	2	1	SI25 BMDC64 2	1	0,22
		32A	13A	2	1	SI32 BMDC64 2	1	0,22
		29A	9A	2	1	SI16 BMDC64 2H	1	0,27
		45A	11A	2	1	SI25 BMDC64 2H	1	0,27
		50A	13A	2	1	SI32 BMDC64 2H	1	0,27
		16A	9A	2	2	SI16 BMDC64 4	1	0,25
		25A	11A	2	2	SI25 BMDC64 4	1	0,25
		32A	13A	2	2	SI32 BMDC64 4	1	0,25
		16A	16A	4	1	SI16 BMDC64 4S	1	0,26
		25A	25A	4	1	SI25 BMDC64 4S	1	0,26
		32A	32A	4	1	SI32 BMDC64 4S	1	0,26
		16A	16A	4	1	SI16 BMDC64 4T	1	0,26
		25A	25A	4	1	SI25 BMDC64 4T	1	0,26
		32A	32A	4	1	SI32 BMDC64 4T	1	0,26
		16A	16A	4	1	SI16 BMDC64 4B	1	0,26
		25A	25A	4	1	SI25 BMDC64 4B	1	0,26
		32A	32A	4	1	SI32 BMDC64 4B	1	0,26
		16A	9A	2	3	SI16 BMDC64 6	1	0,38
		25A	11A	2	3	SI25 BMDC64 6	1	0,38
		32A	13A	2	3	SI32 BMDC64 6	1	0,38
		16A	9A	2	4	SI16 BMDC64 8	1	0,43
		25A	11A	2	4	SI25 BMDC64 8	1	0,43
		32A	13A	2	4	SI32 BMDC64 8	1	0,43
		29A	29A	4	1	SI16 BMDC64 4H	1	0,48
		45A	45A	4	1	SI25 BMDC64 4H	1	0,48
		58A	58A	4	1	SI32 BMDC64 4H	1	0,48

Lever Actuator Switch for Distribution Boards, IP40, us Typ 1¹⁾

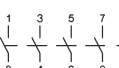
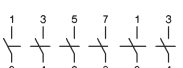
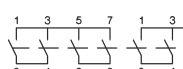


		DC21B 600V DC	1000V DC	Poles in series	Number of Strings	Type	Pack pcs	Weight kg/pcs.
		16A	9A	2	1	SI16 DB 2	1	0,19
		25A	11A	2	1	SI25 DB 2	1	0,19
		32A	13A	2	1	SI32 DB 2	1	0,19
		29A	9A	2	1	SI16 DB 2H	1	0,24
		45A	11A	2	1	SI25 DB 2H	1	0,24
		50A	13A	2	1	SI32 DB 2H	1	0,24
		16A	9A	2	2	SI16 DB 4	1	0,22
		25A	11A	2	2	SI25 DB 4	1	0,22
		32A	13A	2	2	SI32 DB 4	1	0,22
		16A	16A	4	1	SI16 DB 4S	1	0,23
		25A	25A	4	1	SI25 DB 4S	1	0,23
		32A	32A	4	1	SI32 DB 4S	1	0,23
		16A	16A	4	1	SI16 DB 4T	1	0,23
		25A	25A	4	1	SI25 DB 4T	1	0,23
		32A	32A	4	1	SI32 DB 4T	1	0,23
		16A	16A	4	1	SI16 DB 4B	1	0,23
		25A	25A	4	1	SI25 DB 4B	1	0,23
		32A	32A	4	1	SI32 DB 4B	1	0,23
		16A	9A	2	3	SI16 DB 6	1	0,35
		25A	11A	2	3	SI25 DB 6	1	0,35
		32A	13A	2	3	SI32 DB 6	1	0,35
		16A	9A	2	4	SI16 DB 8	1	0,40
		25A	11A	2	4	SI25 DB 8	1	0,40
		32A	13A	2	4	SI32 DB 8	1	0,40
		29A	29A	4	1	SI16 DB 4H	1	0,43
		45A	45A	4	1	SI25 DB 4H	1	0,43
		58A	58A	4	1	SI32 DB 4H	1	0,43

1) UL-Approval for designs 4H in test.

Lever Actuator in Plastic Enclosure, Escutcheon plate 64□, IP65, us Typ1¹⁾



	DC21B 600V DC	1000V DC	Poles in series	Number of Strings	Type	Pack pcs	Weight kg/pcs.
	16A	9A	2	1	SI16 PE64 2*)	1	0,38
	25A	11A	2	1	SI25 PE64 2*)	1	0,38
	32A	13A	2	1	SI32 PE64 2*)	1	0,38
	29A	9A	2	1	SI16 PE64 2H*)	1	0,44
	45A	11A	2	1	SI25 PE64 2H*)	1	0,44
	50A	13A	2	1	SI32 PE64 2H*)	1	0,44
	16A	9A	2	2	SI16 PE64 4*)	1	0,41
	25A	11A	2	2	SI25 PE64 4*)	1	0,41
	32A	13A	2	2	SI32 PE64 4*)	1	0,41
	16A	16A	4	1	SI16 PE64 4S*)	1	0,42
	25A	25A	4	1	SI25 PE64 4S*)	1	0,42
	32A	32A	4	1	SI32 PE64 4S*)	1	0,42
	16A	16A	4	1	SI16 PE64 4T*)	1	0,42
	25A	25A	4	1	SI25 PE64 4T*)	1	0,42
	32A	32A	4	1	SI32 PE64 4T*)	1	0,42
	16A	16A	4	1	SI16 PE64 4B*)	1	0,42
	25A	25A	4	1	SI25 PE64 4B*)	1	0,42
	32A	32A	4	1	SI32 PE64 4B*)	1	0,42
	16A	9A	2	3	SI16 PE64L 6*)	1	1,52
	25A	11A	2	3	SI25 PE64L 6*)	1	1,52
	32A	13A	2	3	SI32 PE64L 6*)	1	1,52
	16A	9A	2	4	SI16 PE64L 8*)	1	1,57
	25A	11A	2	4	SI25 PE64L 8*)	1	1,57
	32A	13A	2	4	SI32 PE64L 8*)	1	1,57
	29A	29A	4	1	SI16 PE64L 4H*)	1	1,62
	45A	45A	4	1	SI25 PE64L 4H*)	1	1,62
	58A	58A	4	1	SI32 PE64L 4H*)	1	1,62

1) UL-Approval for designs 4H in test.

*) Version with greater enclosure PE64L possible

Ordering example: standard enclosure SI PE64..
greater enclosure SI PEL64..

Rotary Actuator Switch Lockable Off, Panel Mounting, IP66, cULus Typ 3R¹⁾



padlock device 64R

		DC21B 600V DC	1000V DC	Poles in series	Number of Strings	Type	Pack pcs	Weight kg/pcs.
		16A	9A	2	1	SI16 PM64R 2	1	0,21
		25A	11A	2	1	SI25 PM64R 2	1	0,21
		32A	13A	2	1	SI32 PM64R 2	1	0,21
		29A	9A	2	1	SI16 PM64R 2H	1	0,26
		45A	11A	2	1	SI25 PM64R 2H	1	0,26
		50A	13A	2	1	SI32 PM64R 2H	1	0,26
		16A	9A	2	2	SI16 PM64R 4	1	0,24
		25A	11A	2	2	SI25 PM64R 4	1	0,24
		32A	13A	2	2	SI32 PM64R 4	1	0,24
		16A	16A	4	1	SI16 PM64R 4S	1	0,25
		25A	25A	4	1	SI25 PM64R 4S	1	0,25
		32A	32A	4	1	SI32 PM64R 4S	1	0,25
		16A	16A	4	1	SI16 PM64R 4T	1	0,25
		25A	25A	4	1	SI25 PM64R 4T	1	0,25
		32A	32A	4	1	SI32 PM64R 4T	1	0,25
		16A	16A	4	1	SI16 PM64R 4B	1	0,25
		25A	25A	4	1	SI25 PM64R 4B	1	0,25
		32A	32A	4	1	SI32 PM64R 4B	1	0,25
		16A	9A	2	3	SI16 PM64R 6	1	0,37
		25A	11A	2	3	SI25 PM64R 6	1	0,37
		32A	13A	2	3	SI32 PM64R 6	1	0,37
		16A	9A	2	4	SI16 PM64R 8	1	0,42
		25A	11A	2	4	SI25 PM64R 8	1	0,42
		32A	13A	2	4	SI32 PM64R 8	1	0,42
		29A	29A	4	1	SI16 PM64R 4H	1	0,47
		45A	45A	4	1	SI25 PM64R 4H	1	0,47
		58A	58A	4	1	SI32 PM64R 4H	1	0,47

Extended Switch Shaft for all switches for panel mounting

type suffix + "x" x = panel thickness

Lever Actuator Switch Lockable Off, Single Hole Mounting Ø22mm, Escutcheon plate 48 □, IP66, cULus Typ 3R¹⁾



padlock device 64

		DC21B 600V DC	1000V DC	Poles in series	Number of Strings	Type	Pack pcs	Weight kg/pcs.
		16A	9A	2	1	SI16 SHML 2	1	0,21
		25A	11A	2	1	SI25 SHML 2	1	0,21
		32A	13A	2	1	SI32 SHML 2	1	0,21
		29A	9A	2	1	SI16 SHML 2H	1	0,27
		45A	11A	2	1	SI25 SHML 2H	1	0,27
		50A	13A	2	1	SI32 SHML 2H	1	0,27
		16A	9A	2	2	SI16 SHML 4	1	0,24
		25A	11A	2	2	SI25 SHML 4	1	0,24
		32A	13A	2	2	SI32 SHML 4	1	0,24
		16A	16A	4	1	SI16 SHML 4S	1	0,25
		25A	25A	4	1	SI25 SHML 4S	1	0,25
		32A	32A	4	1	SI32 SHML 4S	1	0,25
		16A	16A	4	1	SI16 SHML 4T	1	0,25
		25A	25A	4	1	SI25 SHML 4T	1	0,25
		32A	32A	4	1	SI32 SHML 4T	1	0,25
		16A	16A	4	1	SI16 SHML 4B	1	0,25
		25A	25A	4	1	SI25 SHML 4B	1	0,25
		32A	32A	4	1	SI32 SHML 4B	1	0,25
		16A	9A	2	3	SI16 SHML 6	1	0,39
		25A	11A	2	3	SI25 SHML 6	1	0,39
		32A	13A	2	3	SI32 SHML 6	1	0,39
		16A	9A	2	4	SI16 SHML 8	1	0,44
		25A	11A	2	4	SI25 SHML 8	1	0,44
		32A	13A	2	4	SI32 SHML 8	1	0,44
		29A	29A	4	1	SI16 SHML 4H	1	0,49
		45A	45A	4	1	SI25 SHML 4H	1	0,49
		58A	58A	4	1	SI32 SHML 4H	1	0,49

1) UL-Approval for designs 4H in test.

Rotary Actuator Switch Lockable Off, Base Mounting, Door Clutch, Single Hole, IP66, cULus Typ 1¹⁾



Depth is adjustable
padlock device 64R

		DC21B 600V DC	1000V DC	Poles in series	Number of Strings	Type	Pack pcs	Weight kg/pcs.
		16A	9A	2	1	SI16 BMDC64R 2	1	0,23
		25A	11A	2	1	SI25 BMDC64R 2	1	0,23
		32A	13A	2	1	SI32 BMDC64R 2	1	0,23
		29A	9A	2	1	SI16 BMDC64R 2H	1	0,28
		45A	11A	2	1	SI25 BMDC64R 2H	1	0,28
		50A	13A	2	1	SI32 BMDC64R 2H	1	0,28
		16A	9A	2	2	SI16 BMDC64R 4	1	0,26
		25A	11A	2	2	SI25 BMDC64R 4	1	0,26
		32A	13A	2	2	SI32 BMDC64R 4	1	0,26
		16A	16A	4	1	SI16 BMDC64R 4S	1	0,27
		25A	25A	4	1	SI25 BMDC64R 4S	1	0,27
		32A	32A	4	1	SI32 BMDC64R 4S	1	0,27
		16A	16A	4	1	SI16 BMDC64R 4T	1	0,27
		25A	25A	4	1	SI25 BMDC64R 4T	1	0,27
		32A	32A	4	1	SI32 BMDC64R 4T	1	0,27
		16A	16A	4	1	SI16 BMDC64R 4B	1	0,27
		25A	25A	4	1	SI25 BMDC64R 4B	1	0,27
		32A	32A	4	1	SI32 BMDC64R 4B	1	0,27
		16A	9A	2	3	SI16 BMDC64R 6	1	0,39
		25A	11A	2	3	SI25 BMDC64R 6	1	0,39
		32A	13A	2	3	SI32 BMDC64R 6	1	0,39
		16A	9A	2	4	SI16 BMDC64R 8	1	0,44
		25A	11A	2	4	SI25 BMDC64R 8	1	0,44
		32A	13A	2	4	SI32 BMDC64R 8	1	0,44
		29A	29A	4	1	SI16 BMDC64R 4H	1	0,49
		45A	45A	4	1	SI25 BMDC64R 4H	1	0,49
		58A	58A	4	1	SI32 BMDC64R 4H	1	0,49

Lever Actuator Switch Lockable Off for Distribution Boards, IP40, cULus Typ 1¹⁾



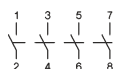
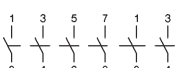
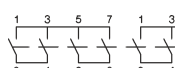
padlock device 64

		DC21B 600V DC	1000V DC	Poles in series	Number of Strings	Type	Pack pcs	Weight kg/pcs.
		16A	9A	2	1	SI16 DBL 2	1	0,19
		25A	11A	2	1	SI25 DBL 2	1	0,19
		32A	13A	2	1	SI32 DBL 2	1	0,19
		29A	9A	2	1	SI16 DBL 2H	1	0,25
		45A	11A	2	1	SI25 DBL 2H	1	0,25
		50A	13A	2	1	SI32 DBL 2H	1	0,25
		16A	9A	2	2	SI16 DBL 4	1	0,22
		25A	11A	2	2	SI25 DBL 4	1	0,22
		32A	13A	2	2	SI32 DBL 4	1	0,22
		16A	16A	4	1	SI16 DBL 4S	1	0,23
		25A	25A	4	1	SI25 DBL 4S	1	0,23
		32A	32A	4	1	SI32 DBL 4S	1	0,23
		16A	16A	4	1	SI16 DBL 4T	1	0,23
		25A	25A	4	1	SI25 DBL 4T	1	0,23
		32A	32A	4	1	SI32 DBL 4T	1	0,23
		16A	16A	4	1	SI16 DBL 4B	1	0,23
		25A	25A	4	1	SI25 DBL 4B	1	0,23
		32A	32A	4	1	SI32 DBL 4B	1	0,23
		16A	9A	2	3	SI16 DBL 6	1	0,36
		25A	11A	2	3	SI25 DBL 6	1	0,36
		32A	13A	2	3	SI32 DBL 6	1	0,36
		16A	9A	2	4	SI16 DBL 8	1	0,41
		25A	11A	2	4	SI25 DBL 8	1	0,41
		32A	13A	2	4	SI32 DBL 8	1	0,41
		29A	29A	4	1	SI16 DBL 4H	1	0,46
		45A	45A	4	1	SI25 DBL 4H	1	0,46
		58A	58A	4	1	SI32 DBL 4H	1	0,46

Rotary Actuator Switch Lockable Off in Plastic Enclosure, IP65, cULus Typ 1¹⁾



padlock device 64R

		DC21B 600V DC	1000V DC	Poles in series	Number of Strings	Type	Pack pcs	Weight kg/pcs.
		16A	9A	2	1	SI16 PE64R 2*)	1	0,39
		25A	11A	2	1	SI25 PE64R 2*)	1	0,39
		32A	13A	2	1	SI32 PE64R 2*)	1	0,39
		29A	9A	2	1	SI16 PE64R 2H*)	1	0,45
		45A	11A	2	1	SI25 PE64R 2H*)	1	0,45
		50A	13A	2	1	SI32 PE64R 2H*)	1	0,45
		16A	9A	2	2	SI16 PE64R 4*)	1	0,42
		25A	11A	2	2	SI25 PE64R 4*)	1	0,42
		32A	13A	2	2	SI32 PE64R 4*)	1	0,42
		16A	16A	4	1	SI16 PE64R 4S*)	1	0,43
		25A	25A	4	1	SI25 PE64R 4S*)	1	0,43
		32A	32A	4	1	SI32 PE64R 4S*)	1	0,43
		16A	16A	4	1	SI16 PE64R 4T*)	1	0,43
		25A	25A	4	1	SI25 PE64R 4T*)	1	0,43
		32A	32A	4	1	SI32 PE64R 4T*)	1	0,43
		16A	16A	4	1	SI16 PE64R 4B*)	1	0,43
		25A	25A	4	1	SI25 PE64R 4B*)	1	0,43
		32A	32A	4	1	SI32 PE64R 4B*)	1	0,43
		16A	9A	2	3	SI16 PE64RL 6*)	1	1,53
		25A	11A	2	3	SI25 PE64RL 6*)	1	1,53
		32A	13A	2	3	SI32 PE64RL 6*)	1	1,53
		16A	9A	2	4	SI16 PE64RL 8*)	1	1,58
		25A	11A	2	4	SI25 PE64RL 8*)	1	1,58
		32A	13A	2	4	SI32 PE64RL 8*)	1	1,58
		29A	29A	4	1	SI16 PE64RL 4H*)	1	1,63
		45A	45A	4	1	SI25 PE64RL 4H*)	1	1,63
		58A	58A	4	1	SI32 PE64RL 4H*)	1	1,63

1) UL-Approval for designs 4H in test.

*) Version with greater enclosure PE64RL possible

Ordering example: standard enclosure SI PE64R..
greater enclosure SI PEL64R..

Emergency Stop Rotary Switch Lockable Off, Panel Mounting, IP66 cULus Typ 3R¹⁾



padlock device 64R

	DC21B 600V DC	1000V DC	Poles in series	Number of Strings	Type	Pack pcs	Weight kg/pcs.
	16A	9A	2	1	SI16 ES-PM64R 2	1	0,21
	25A	11A	2	1	SI25 ES-PM64R 2	1	0,21
	32A	13A	2	1	SI32 ES-PM64R 2	1	0,21
	29A	9A	2	1	SI16 ES-PM64R 2H	1	0,26
	45A	11A	2	1	SI25 ES-PM64R 2H	1	0,26
	50A	13A	2	1	SI32 ES-PM64R 2H	1	0,26
	16A	9A	2	2	SI16 ES-PM64R 4	1	0,24
	25A	11A	2	2	SI25 ES-PM64R 4	1	0,24
	32A	13A	2	2	SI32 ES-PM64R 4	1	0,24
	16A	16A	4	1	SI16 ES-PM64R 4S	1	0,25
	25A	25A	4	1	SI25 ES-PM64R 4S	1	0,25
	32A	32A	4	1	SI32 ES-PM64R 4S	1	0,25
	16A	16A	4	1	SI16 ES-PM64R 4T	1	0,25
	25A	25A	4	1	SI25 ES-PM64R 4T	1	0,25
	32A	32A	4	1	SI32 ES-PM64R 4T	1	0,25
	16A	16A	4	1	SI16 ES-PM64R 4B	1	0,25
	25A	25A	4	1	SI25 ES-PM64R 4B	1	0,25
	32A	32A	4	1	SI32 ES-PM64R 4B	1	0,25
	16A	9A	2	3	SI16 ES-PM64R 6	1	0,37
	25A	11A	2	3	LS25 ES-PM64R 6	1	0,37
	32A	13A	2	3	LS32 ES-PM64R 6	1	0,37
	16A	9A	2	4	LS16 ES-PM64R 8	1	0,42
	25A	11A	2	4	LS25 ES-PM64R 8	1	0,42
	32A	13A	2	4	LS32 ES-PM64R 8	1	0,42
	29A	29A	4	1	LS16 ES-PM64R 4H	1	0,47
	45A	45A	4	1	LS25 ES-PM64R 4H	1	0,47
	58A	58A	4	1	LS32 ES-PM64R 4H	1	0,47

Emergency Stop Lever Actuator Switch Lockable Off, Panel Mounting, Escutcheon plate 64□, IP66, cULus Typ 3R¹⁾



padlock device 64

	DC21B 600V DC	1000V DC	Poles in series	Number of Strings	Type	Pack pcs	Weight kg/pcs.
	16A	9A	2	1	SI16 ES-PM64 2	1	0,20
	25A	11A	2	1	SI25 ES-PM64 2	1	0,20
	32A	13A	2	1	SI32 ES-PM64 2	1	0,20
	29A	9A	2	1	SI16 ES-PM64 2H	1	0,25
	45A	11A	2	1	SI25 ES-PM64 2H	1	0,25
	50A	13A	2	1	SI32 ES-PM64 2H	1	0,25
	16A	9A	2	2	SI16 ES-PM64 4	1	0,23
	25A	11A	2	2	SI25 ES-PM64 4	1	0,23
	32A	13A	2	2	SI32 ES-PM64 4	1	0,23
	16A	16A	4	1	SI16 ES-PM64 4S	1	0,24
	25A	25A	4	1	SI25 ES-PM64 4S	1	0,24
	32A	32A	4	1	SI32 ES-PM64 4S	1	0,24
	16A	16A	4	1	SI16 ES-PM64 4T	1	0,24
	25A	25A	4	1	SI25 ES-PM64 4T	1	0,24
	32A	32A	4	1	SI32 ES-PM64 4T	1	0,24
	16A	16A	4	1	SI16 ES-PM64 4B	1	0,24
	25A	25A	4	1	SI25 ES-PM64 4B	1	0,24
	32A	32A	4	1	SI32 ES-PM64 4B	1	0,24
	16A	9A	2	3	SI16 ES-PM64 6	1	0,36
	25A	11A	2	3	SI25 ES-PM64 6	1	0,36
	32A	13A	2	3	SI32 ES-PM64 6	1	0,36
	16A	9A	2	4	SI16 ES-PM64 8	1	0,41
	25A	11A	2	4	SI25 ES-PM64 8	1	0,41
	32A	13A	2	4	SI32 ES-PM64 8	1	0,41
	29A	29A	4	1	SI16 ES-PM64 4H	1	0,46
	45A	45A	4	1	SI25 ES-PM64 4H	1	0,46
	58A	58A	4	1	SI32 ES-PM64 4H	1	0,46

Extended Switch Shaft for all switches for panel mounting

10

type suffix

+ "x"

x = panel thickness

1) UL-Approval for designs 4H in test.

Emergency Stop Rotary Switch Lockable Off, Base Mounting, Door Clutch, Single Hole, Plate 64 □, IP66, us Typ 1¹⁾



Depth is adjustable
padlock device 64R

		DC21B 600V DC	1000V DC	Poles in series	Number of Strings	Type	Pack pcs	Weight kg/pcs.
		16A	9A	2	1	SI16 ES-BMDC 2	1	0,23
		25A	11A	2	1	SI25 ES-BMDC 2	1	0,23
		32A	13A	2	1	SI32 ES-BMDC 2	1	0,23
		29A	9A	2	1	SI16 ES-BMDC 2H	1	0,28
		45A	11A	2	1	SI25 ES-BMDC 2H	1	0,28
		50A	13A	2	1	SI32 ES-BMDC 2H	1	0,28
		16A	9A	2	2	SI16 ES-BMDC 4	1	0,26
		25A	11A	2	2	SI25 ES-BMDC 4	1	0,26
		32A	13A	2	2	SI32 ES-BMDC 4	1	0,26
		16A	16A	4	1	SI16 ES-BMDC 4S	1	0,27
		25A	25A	4	1	SI25 ES-BMDC 4S	1	0,27
		32A	32A	4	1	SI32 ES-BMDC 4S	1	0,27
		16A	16A	4	1	SI16 ES-BMDC 4T	1	0,27
		25A	25A	4	1	SI25 ES-BMDC 4T	1	0,27
		32A	32A	4	1	SI32 ES-BMDC 4T	1	0,27
		16A	16A	4	1	SI16 ES-BMDC 4B	1	0,27
		25A	25A	4	1	SI25 ES-BMDC 4B	1	0,27
		32A	32A	4	1	SI32 ES-BMDC 4B	1	0,27
		16A	9A	2	3	SI16 ES-BMDC 6	1	0,39
		25A	11A	2	3	SI25 ES-BMDC 6	1	0,39
		32A	13A	2	3	SI32 ES-BMDC 6	1	0,39
		16A	9A	2	4	SI16 ES-BMDC 8	1	0,44
		25A	11A	2	4	SI25 ES-BMDC 8	1	0,44
		32A	13A	2	4	SI32 ES-BMDC 8	1	0,44
		29A	29A	4	1	SI16 ES-BMDC 4H	1	0,49
		45A	45A	4	1	SI25 ES-BMDC 4H	1	0,49
		58A	58A	4	1	SI32 ES-BMDC 4H	1	0,49

Emergency Stop Lever Actuator Switch Lockable Off, Single Hole Mounting Ø22mm, Escutcheon plate 48 □, IP66, us Typ 3R¹⁾



padlock device 64

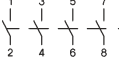
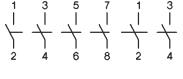
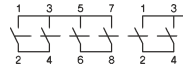
		DC21B 600V DC	1000V DC	Poles in series	Number of Strings	Type	Pack pcs	Weight kg/pcs.
		16A	9A	2	1	SI16 ES-SHM 2	1	0,21
		25A	11A	2	1	SI25 ES-SHM 2	1	0,21
		32A	13A	2	1	SI32 ES-SHM 2	1	0,21
		29A	9A	2	1	SI16 ES-SHM 2H	1	0,27
		45A	11A	2	1	SI25 ES-SHM 2H	1	0,27
		50A	13A	2	1	SI32 ES-SHM 2H	1	0,27
		16A	9A	2	2	SI16 ES-SHM 4	1	0,24
		25A	11A	2	2	SI25 ES-SHM 4	1	0,24
		32A	13A	2	2	SI32 ES-SHM 4	1	0,24
		16A	16A	4	1	SI16 ES-SHM 4S	1	0,25
		25A	25A	4	1	SI25 ES-SHM 4S	1	0,25
		32A	32A	4	1	SI32 ES-SHM 4S	1	0,25
		16A	16A	4	1	SI16 ES-SHM 4T	1	0,25
		25A	25A	4	1	SI25 ES-SHM 4T	1	0,25
		32A	32A	4	1	SI32 ES-SHM 4T	1	0,25
		16A	16A	4	1	SI16 ES-SHM 4B	1	0,25
		25A	25A	4	1	SI25 ES-SHM 4B	1	0,25
		32A	32A	4	1	SI32 ES-SHM 4B	1	0,25
		16A	9A	2	3	SI16 ES-SHM 6	1	0,39
		25A	11A	2	3	SI25 ES-SHM 6	1	0,39
		32A	13A	2	3	SI32 ES-SHM 6	1	0,39
		16A	9A	2	4	SI16 ES-SHM 8	1	0,44
		25A	11A	2	4	SI25 ES-SHM 8	1	0,44
		32A	13A	2	4	SI32 ES-SHM 8	1	0,44
		29A	29A	4	1	SI16 ES-SHM 4H	1	0,49
		45A	45A	4	1	SI25 ES-SHM 4H	1	0,49
		58A	58A	4	1	SI32 ES-SHM 4H	1	0,49

1) UL-Approval for designs 4H in test.

Emergency Stop Lever Actuator Switch Lockable Off, for Distribution Boards, IP40, Typ 1¹⁾



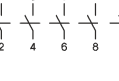
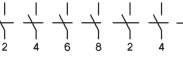
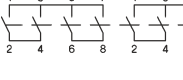
padlock device 64

		DC21B 600V DC	1000V DC	Poles in series	Number of Strings	Type	Pack pcs	Weight kg/pcs.
		16A	9A	2	1	SI16 ES-DB 2	1	0,19
		25A	11A	2	1	SI25 ES-DB 2	1	0,19
		32A	13A	2	1	SI32 ES-DB 2	1	0,19
		29A	9A	2	1	SI16 ES-DB 2H	1	0,25
		45A	11A	2	1	SI25 ES-DB 2H	1	0,25
		50A	13A	2	1	SI32 ES-DB 2H	1	0,25
		16A	9A	2	2	SI16 ES-DB 4	1	0,22
		25A	11A	2	2	SI25 ES-DB 4	1	0,22
		32A	13A	2	2	SI32 ES-DB 4	1	0,22
		16A	16A	4	1	SI16 ES-DB 4S	1	0,23
		25A	25A	4	1	SI25 ES-DB 4S	1	0,23
		32A	32A	4	1	SI32 ES-DB 4S	1	0,23
		16A	16A	4	1	SI16 ES-DB 4T	1	0,23
		25A	25A	4	1	SI25 ES-DB 4T	1	0,23
		32A	32A	4	1	SI32 ES-DB 4T	1	0,23
		16A	16A	4	1	SI16 ES-DB 4B	1	0,23
		25A	25A	4	1	SI25 ES-DB 4B	1	0,23
		32A	32A	4	1	SI32 ES-DB 4B	1	0,23
		16A	9A	2	3	SI16 ES-DB 6	1	0,36
		25A	11A	2	3	SI25 ES-DB 6	1	0,36
		32A	13A	2	3	SI32 ES-DB 6	1	0,36
		16A	9A	2	4	SI16 ES-DB 8	1	0,41
		25A	11A	2	4	SI25 ES-DB 8	1	0,41
		32A	13A	2	4	SI32 ES-DB 8	1	0,41
		29A	29A	4	1	SI16 ES-DB 4H	1	0,46
		45A	45A	4	1	SI25 ES-DB 4H	1	0,46
		58A	58A	4	1	SI32 ES-DB 4H	1	0,46

Emergency Stop Rotary Switch Lockable Off in Plastic Enclosure, IP65, Typ 1¹⁾



padlock device 64R

		DC21B 600V DC	1000V DC	Poles in series	Number of Strings	Type	Pack pcs	Weight kg/pcs.
		16A	9A	2	1	SI16 ES-PE 2*)	1	0,39
		25A	11A	2	1	SI25 ES-PE 2*)	1	0,39
		32A	13A	2	1	SI32 ES-PE 2*)	1	0,39
		29A	9A	2	1	SI16 ES-PE 2H*)	1	0,45
		45A	11A	2	1	SI25 ES-PE 2H*)	1	0,45
		50A	13A	2	1	SI32 ES-PE 2H*)	1	0,45
		16A	9A	2	2	SI16 ES-PE 4*)	1	0,42
		25A	11A	2	2	SI25 ES-PE 4*)	1	0,42
		32A	13A	2	2	SI32 ES-PE 4*)	1	0,42
		16A	16A	4	1	SI16 ES-PE 4S*)	1	0,43
		25A	25A	4	1	SI25 ES-PE 4S*)	1	0,43
		32A	32A	4	1	SI32 ES-PE 4S*)	1	0,43
		16A	16A	4	1	SI16 ES-PE 4T*)	1	0,43
		25A	25A	4	1	SI25 ES-PE 4T*)	1	0,43
		32A	32A	4	1	SI32 ES-PE 4T*)	1	0,43
		16A	16A	4	1	SI16 ES-PE 4B*)	1	0,43
		25A	25A	4	1	SI25 ES-PE 4B*)	1	0,43
		32A	32A	4	1	SI32 ES-PE 4B*)	1	0,43
		16A	9A	2	3	SI16 ES-PEL 6*)	1	1,53
		25A	11A	2	3	SI25 ES-PEL 6*)	1	1,53
		32A	13A	2	3	SI32 ES-PEL 6*)	1	1,53
		16A	9A	2	4	SI16 ES-PEL 8*)	1	1,58
		25A	11A	2	4	SI25 ES-PEL 8*)	1	1,58
		32A	13A	2	4	SI32 ES-PEL 8*)	1	1,58
		29A	29A	4	1	SI16 ES-PEL 4H*)	1	1,63
		45A	45A	4	1	SI25 ES-PEL 4H*)	1	1,63
		58A	58A	4	1	SI32 ES-PEL 4H*)	1	1,63

*) Version with greater enclosure ES-PEL possible

1) UL-Approval for designs 4H in test.

Technical Data

Data according to IEC 60947-3, VDE 0660

Main contacts			Type	SI16	SI25	SI32
Rated thermal current I_{the}			A	16	25	32
Rated insulation voltage $U_i^{1)}$			V	1000	1000	1000
Disconnection property performed up to			V	1000V	1000V	1000V
Distance of contacts (per pole)			mm	8	8	8
Rated operational current I_e			A	9	11	13
DC21B L/R = 1ms	1 pole	500V	A	6	8	10
	1	600V	A	3	4	5
		800V	A	1,5	2	2,5
		1000V	A			
	2 pole in series	500V	A	16	25	32
	2	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
	2 poles in series	500V	A	29	45	58
	+ 2 poles parallel	600V	A	29	45	50
	2H	700V	A	16	23	27
		800V	A	16	20	23
		900V	A	13	16	20
		1000V	A	9	11	13
	3 poles in series	500V	A	16	25	32
		600V	A	16	25	32
		700V	A	16	25	32
		800V	A	16	25	32
	3 poles in series	500V	A	29	on request (45)	on request (58)
	+ 2 poles parallel	600V	A	29	on request (45)	on request (50)
	3H	700V	A	29	on request (38)	on request (45)
		800V	A	29	on request (38)	on request (45)
		900V	A	29	on request (38)	on request (45)
		1000V	A	29	on request (38)	on request (45)
	4 poles in series	500V	A	16	25	32
	4	600V	A	16	25	32
		700V	A	16	25	32
		800V	A	16	25	32
	4 poles in series	500V	A	29	45	58
	+ 2 poles parallel	600V	A	29	45	58
	4H	700V	A	29	45	58
		800V	A	29	45	58
		900V	A	29	45	58
		1000V	A	29	45	58
	Rated operational current I_e	500V	A	1	1,25	1,5
	DC22B	600V	A	0,5	0,75	1
	L/R = 2,5ms	800V	A	0,3	0,4	0,5
		1000V	A	0,15	0,2	0,25
	2 poles in series	500V	A	7	8	9
	2	600V	A	5,5	6	6,5
		800V	A	2	2,5	3
		1000V	A	1	1,5	2
	3 poles in series	500V	A	16	25	27
		600V	A	16	23	25
		800V	A	6,5	7	7,5
		1000V	A	5,5	6	6,5
	4 poles in series	500V	A	16	25	32
	4	600V	A	16	25	27,5
	Rated operational current I_e	500V	A	16	25	32
	AC21B	600V	A	16	25	27,5
	2, 4	800V	A	11,5	12	12,5
	2H	1000V	A	8	9	10
		U _e max. 440V	A			
		U _e max. 440V	A			

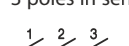
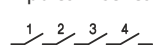
1) Suitable at 1000V for: earthed-neutral systems, overvoltage category I to III, pollution degree 3 (standard-industry): $U_{imp} = 8kV$.
Data for other conditions on request.

Technical Data (continued)

Data according to IEC 60947-3, VDE 0660

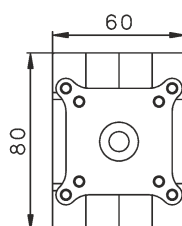
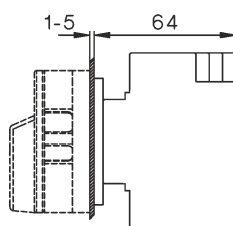
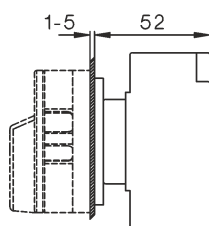
Main contacts	Type	SI16	SI25	SI32
Rated conditional short-circuit current	kA _{eff}	5	5	5
Max. fuse size	gL (gG)	40	63	80
Mechanical life	x10 ³	10	10	10
Rated short-time withstand current (1s) I _{CS}	2, 4 / 2H A	800 / 1300	900 / 1500	1000 / 1700
Short circuit making capacity	I _{cm}	800 / 1300	900 / 1500	1000 / 1700
Maximum cable cross sections (incl. jumper SIV-B1)				
solid or stranded	mm ²	4 - 16	4 - 16	4 - 16
flexible	mm ²	4 - 10	4 - 10	4 - 10
flexible (+ multicore cable end)	mm ²	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	open		-40 to +65	
	enclosed		-40 to +45	
Storage			-50 to +90	
Power loss per switch at I _e max. DC21B				
2	W	2	5	8
2H	W	3,5	8,5	14
4	W	4	10	16

Data acc. to UL508  File E146487, Category no.: NRNT2, NRNT8

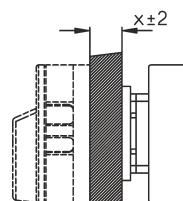
Type			SI 16	SI25	SI32
Ampere-Rating "General use"					
1 pole	350V	A	4	5	6
	500V	A	4	5	6
	600V	A	4	5	6
2 poles in series	350V	A	16	20	25
	500V	A	16	20	25
	600V	A	16	20	25
2 poles in series + 2 poles parallel	350V	A	29	45	58
	500V	A	29	38	40
	600V	A	21	23	25
3 poles in series	350V	A	16	25	32
	500V	A	16	25	32
	600V	A	16	25	32
4 poles in series	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:

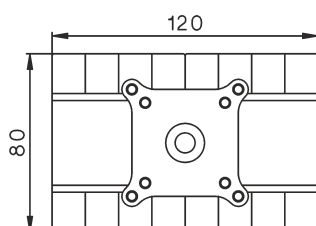
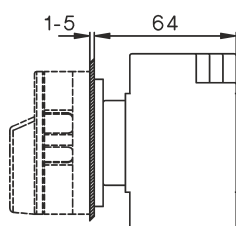
SI16 PM/ES-PM, SI25 PM/ES-PM, SI32 PM/ES-PM
..2¹⁾ ..2+2H, ..4.



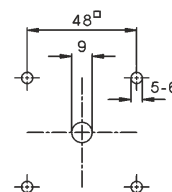
SI... + "x"
Extended Switch Shaft



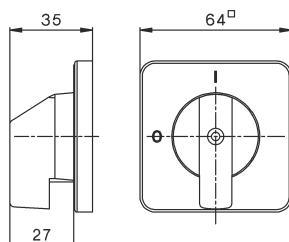
SI16 PM/ES-PM, SI25 PM/ES-PM, SI32 PM/ES-PM
..6, ..8, ..3H, ..4H



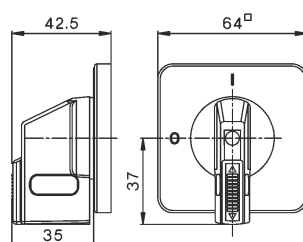
Mounting holes



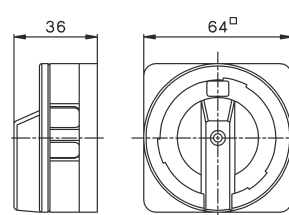
Escutcheon plate 64 □
Handle



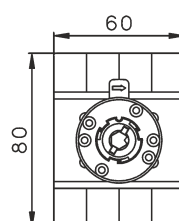
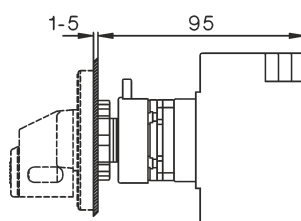
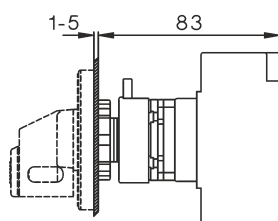
Padlock device 64.



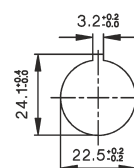
Padlock device 64



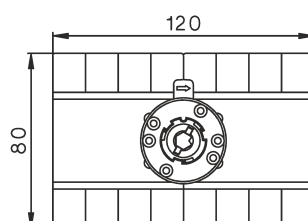
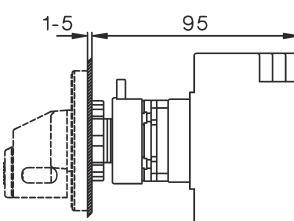
SI16 SHM/ES-SHM, SI25 SHM/ES-SHM, SI32 SHM/ES-SHM
..2¹⁾ ..2H,..4.



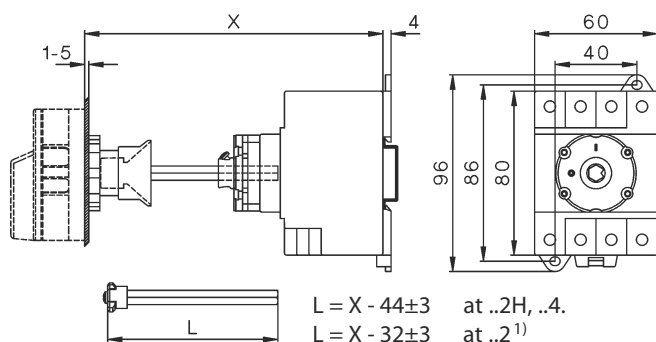
Mounting hole



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



delivered with: ..2H, ..4. :

$X_{\max.} = 194, L = 150$

($X_{\min.} = 95$)

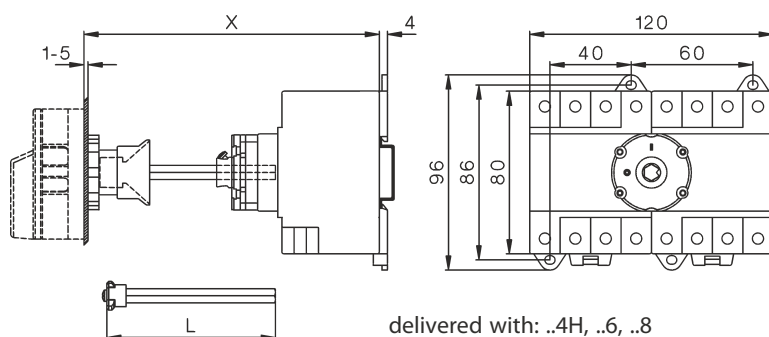
delivered with: ..2¹⁾:

$X_{\max.} = 182, L = 150$

($X_{\min.} = 83$)

greater X-Dimensions on request

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

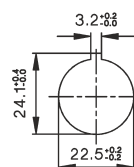


delivered with: ..4H, ..6, ..8

$X_{\max.} = 194, L = 150$

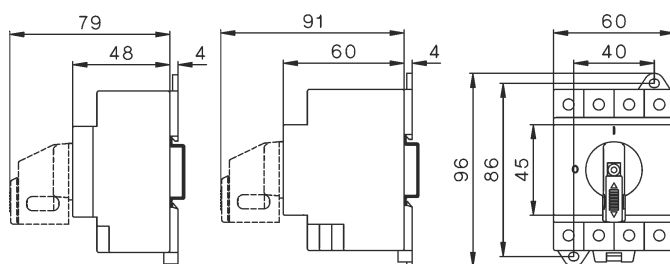
($X_{\min.} = 95$)

Mounting hole

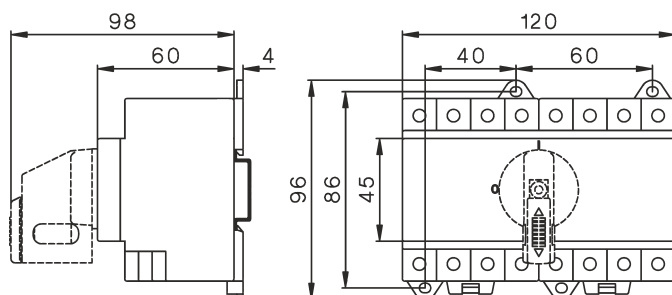


$L = X - 44 \pm 3$

SI16 DB/DBL/ES-DB, SI25 DB/DBL/ES-DB, SI32 DB/DBL/ES-DB
 ..2¹⁾ ..2+2H, ..4.

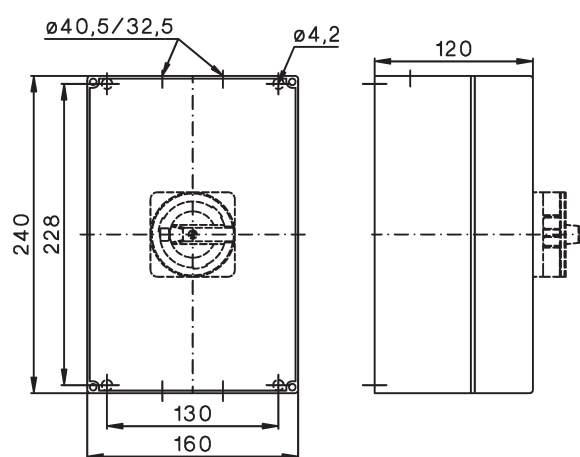
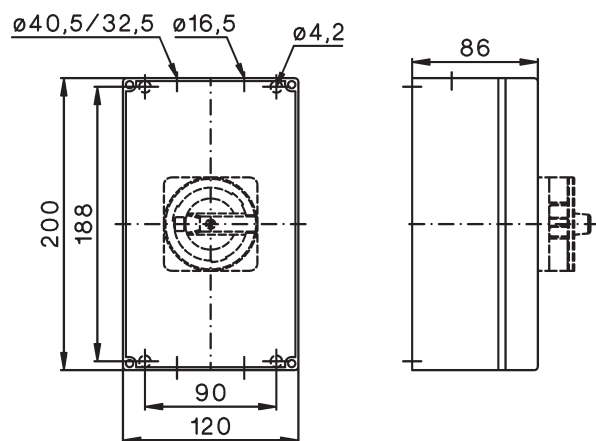


SI16 DB/DBL/ES-DB, SI25 DB/DBL/ES-DB, SI32 DB, DBL, ES-DB
 ..6, ..8, ..3H, ..4H

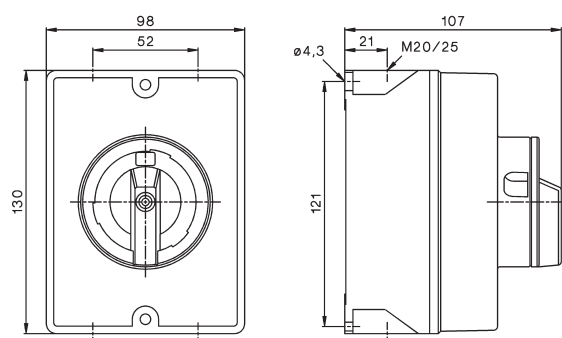


1) for delivery starting from 2011, otherwise like ..4

SI16 PEL64 / PEL64R / ES-PEL
 SI25 PEL64 / PEL64R / ES-PEL
 SI32 PEL64 / PEL64R / ES-PEL
 ..2, ..2H, ..4, ..6, ..8, ..3H, ..4H



SI16 PE/ES-PE, SI25 PE/ES-PE, SI32 PE/ES-PE



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