

16A to 32A Enclosed SI Series DC Solar Isolators

1

Solar Isolators SI are switch gears for interrupting the DC/AC-Inverter from the solar-panels. Photovoltaic-installations have to be equipped with DC-isolators according to IEC 60364-7-712. Switch Disconnectors SI ensure a reliable switching up to 32A with 1000V in the category DC21B. The construction of the contacts and the material selection guarantee that no oxidation (small switching frequency) develops, and is thus prevented inadmissible heating-up. The switching speed at the manually operated handle does not have an effect on the switching attitude of the contacts.

IP65 rated enclosure -

Specifically developed for solar installations -

Knife switch contacts and arc cooling chambers -

High reliability rotary snap action mechanism -

(High speed trigger ratchet switching (5ms max -

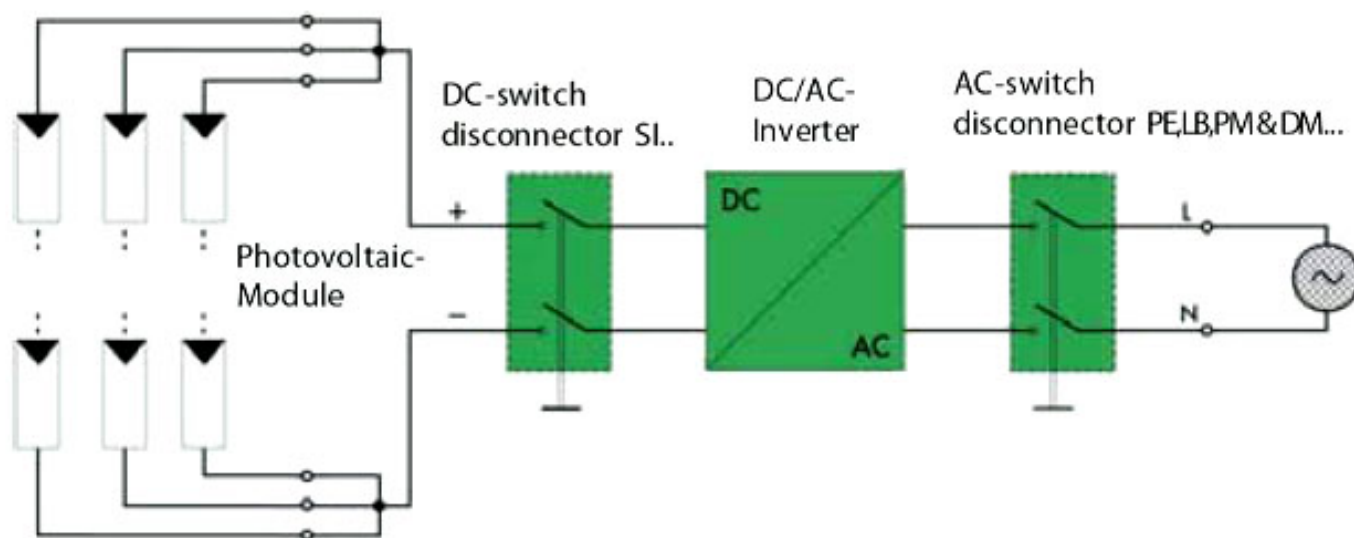
Operator independent switching speed -

Maximum 1Nm torque for easy operation -

















16mm² box terminals for easy wiring -

Top, bottom M20/25 and rear cable entry -

Solar Isolators for Photovoltaic



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

Mail contacts type			DC21B				DC22B			
			500VDC	600VDC	800VDC	1000VDC	500VDC	600VDC	800VDC	1000VDC
SI16		1 pole	9A	6A	3A	1.5A	1A	0.5A	0.3A	0.15A
		2 poles in series	16A	16A	16A	9A	7A	5.5A	2A	1A
		3 poles in series	16A	16A	16A	16A	16A	16A	6.5A	5.5A
		4 poles in series	16A	16A	16A	16A	16A	16A	11.5A	8A
SI20		1 pole	10A	7A	3.5A	1.7A	1.1A	0.62A	0.34A	0.16A
		2 poles in series	20A	20A	17.2A	10A	7.4A	5.72A	2.2A	1.22A
		3 poles in series	20A	20A	20A	20A	20A	20A	6.7A	5.72A
		4 poles in series	20A	20A	20A	20A	20A	20A	11.7A	8.4A
SI25		1 pole	11A	8A	4A	2A	1.25A	0.75A	0.4A	0.2A
		2 poles in series	25A	25A	20A	11A	8A	6A	2.5A	1.5A
		3 poles in series	25A	25A	25A	25A	25A	23A	7A	6A
		4 poles in series	25A	25A	25A	25A	25A	25A	12A	9A
SI32		1 pole	13A	10A	5A	2.5A	1.5A	1A	0.5A	0.25A
		2 poles in series	32A	32A	23A	13A	9A	6.5A	3A	2A
		3 poles in series	32A	32A	32A	32A	27A	25A	7.5A	6.5A
		4 poles in series	32A	32A	32A	32A	32A	27.5A	12.5A	10A

Outline Table

