USER MANUAL

PV switch disconnector

The construction of the switch ensures reliable switching up to 58A with 1000V in the category DC 21B.
The construction of the contacts and the material selection guarantee that no oxidation (small switching frequency developes, and is thus prevented inadmissible heating-up.
The switch disconnector has 2, 4 or 4+2 contacts, by serial / paralel wirring of the contacts the contact rating will be increased.
The switching speed at the manually operated handle does not have an effect on the switching attitude of the contacts.
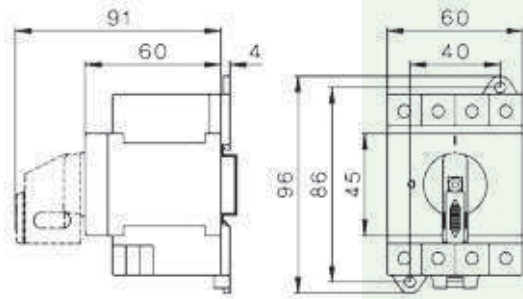
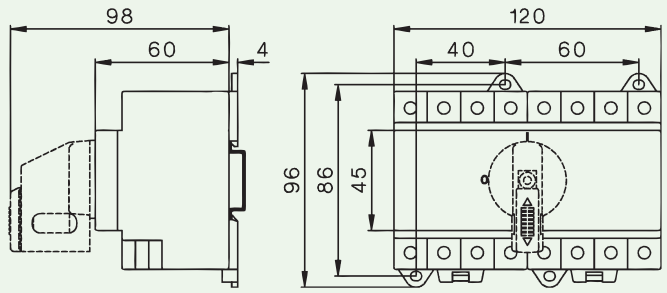| General characteristics	
Rated voltage	Up to 1000V d.c.
Rated current	Up to 58A d.c.
Standards	IEC 60364-7-712
Application	For interupting the DC/AC inverter from the solar panels

PV switch disconnector for photovoltaic

Type		Weight [g]	Packaging [pcs]
LS16 SMA A2	2-pole	150	1
LS25 SMA A2			
LS32 SMA A2			
LS16 SMA A4	4-pole		
LS25 SMA A4			
LS32 SMA A4			
LS32 SMA A4+2	4+2 pole	430	
LSV-B1	-	6,6	100

Switch disconnectors "LS.." are switch gears for interupting DC/AC-inverter from the solar-panels.
Photovoltaic-installations have to be equipped with DC-isolators according to IEC 60364-7-712.
*Insulated Jumper

LS16, 25, 32

LS32 A4+2

Switch disconnectors and load switches for DC applications

Technical data according to IEC 60947-3, VDE0660			DC 21B				DC 22B			
			500V	600V	800V	1000V	500V	600V	800V	1000V
LS16 ..		2 poles in series	16A	16A	16A	9A	7A	5,5A	2A	1A
		4 poles in series	16A	16A	16A	16A	16A	16A	11,5A	8A
LS25 ..		2 poles in series	25A	25A	20A	11A	8A	6A	2,5A	1,5A
		4 poles in series	25A	25A	25A	25A	25A	25A	12A	9A
LS32 ..		2 poles in series	32A	32A	23A	13A	9A	6,5A	3A	2A
		4 poles in series	32A	32A	32A	32A	32A	27,5A	12,5A	10A
LS32..A4+2		4 poles in series +2 poles parallel	58A	58A	58A	58A	/	/	/	/

Because of very high breaking point capacity, switch disconnectors "LS..." are suitable for many different operating conditions.