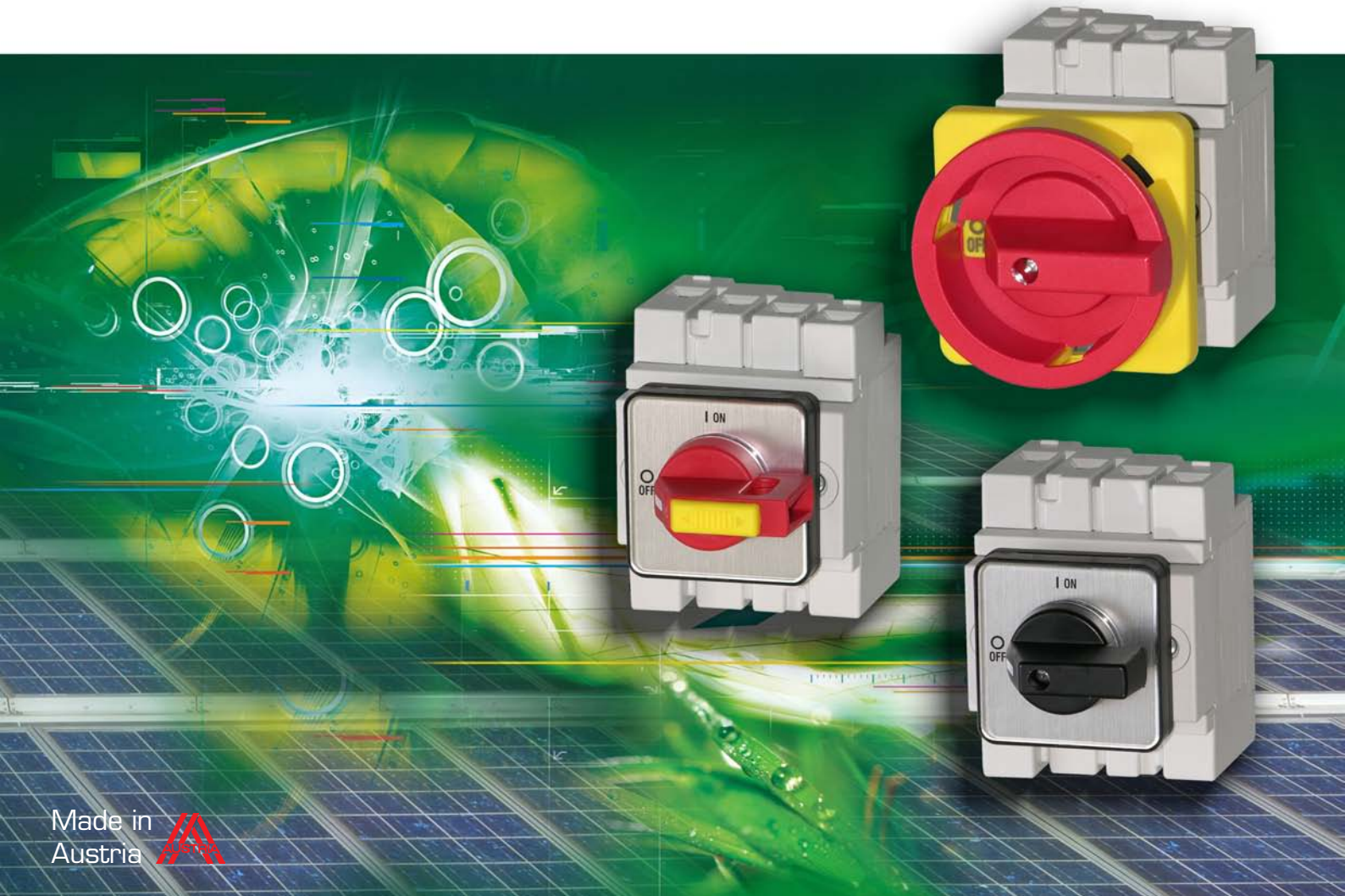


DC-Switch Disconnectors for Photovoltaic

acc. to IEC 60364-7-712



Made in
Austria 

D847E092






 **BENEDICT**
GMBH

- 1000V DC Rated operational voltage
- 32A Rated operational current
- 2- and 4-pole
- Oxydation proof contacts
- Cable cross sections up to 16mm²

Type	I _{th} open A	DC21B 4 poles in series A	at U _e V
LS16	16	16	1000
LS25	25	25	1000
LS32	32	32	1000

DC-Switch Disconnectors

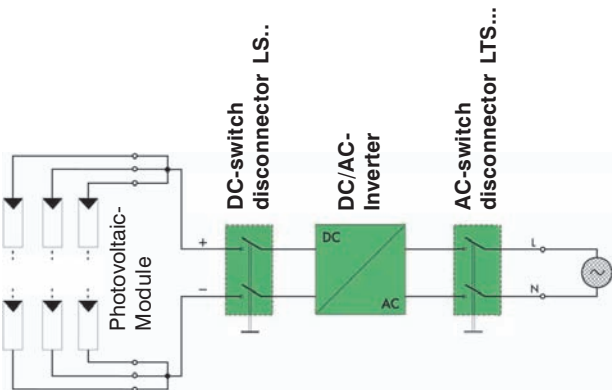
Design

Panel mounting	Single hole mounting Ø22,5mm	Base mounting w. door coupling	Modular switch	Plastic enclosed
				

*) Type-suffix for switch program: A 2 2-pole Wiring diagram see below
 A 4 4-pole

Switch Disconnectors for Photovoltaic

Switch disconnectors „LS..“ 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 „LS..“ ensures a reliable switching up to 32A with 1000V in the category DC21B.


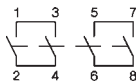
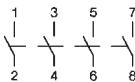
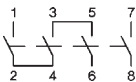
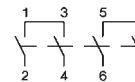
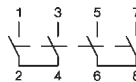

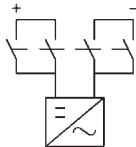
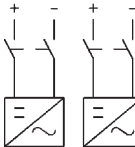
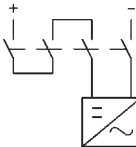
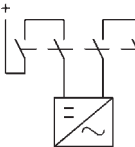
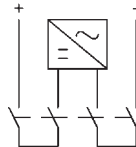
The construction of the contacts and the material selection guarantee that no oxidation (small switching frequency) develops, and is thus prevented inadmissible heating-up.

The switch disconnector has 2, 3 or 4 contacts, by serial wiring 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.

Switching programs

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
LS16	.. A2	.. A2+2	.. A4	.. A4B	.. A4O	.. A4U
LS25	.. A2	.. A2+2	.. A4	.. A4B	.. A4O	.. A4U
LS32	.. A2	.. A2+2	.. A4	.. A4B	.. A4O	.. A4U

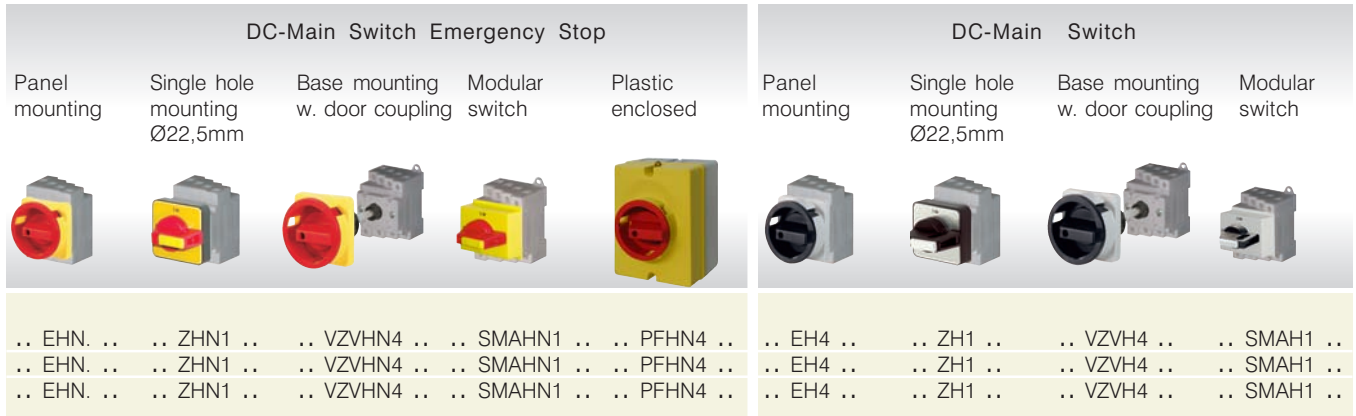
Contacts	1 3	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7	1 3 5 7
Wiring diagram						
Switching example						

Insulated Jumper



LSV-B1 for series and parallel switching of contacts

Type	Pack	Weight
LSV-B1	1	

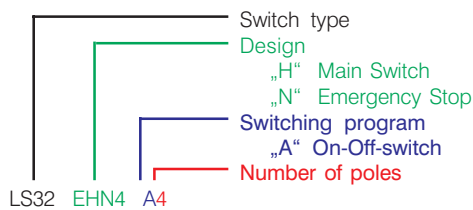


Technical data for DC, according to IEC 60947-3, VDE0660

Type	DC21B				DC22B			
	500V	600V	800V	1000V	500V	600V	800V	1000V
LS16 ..	16A	16A	16A	9A	7A	5,5A	2A	1A
	29A	29A	16A	9A	-	-	-	-
	16A	16A	16A	16A	16A	16A	11,5A	8A
LS25 ..	25A	25A	20A	11A	8A	6A	2,5A	1,5A
	45A	45A	20A	11A	-	-	-	-
	25A	25A	25A	25A	25A	25A	12A	9A
LS32 ..	32A	32A	23A	13A	9A	6,5A	3A	2A
	58A	50A	23A	13A	-	-	-	-
	32A	32A	32A	32A	32A	27,5A	12,5A	10A

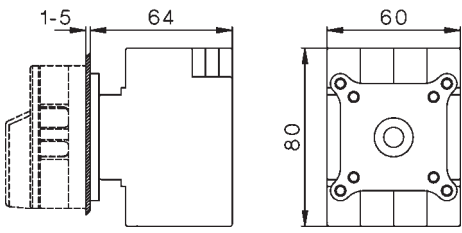
DC21B Switching of DC-resistive loads including moderate overloads, Time constant L/R≤1ms
DC22B Switching of DC-resistive and inductive loads including moderate overloads, Time constant L/R≤2,5ms (e. g: shunt-motors)

Ordering

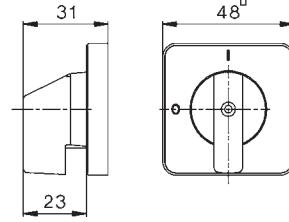


Dimensions:

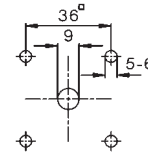
LS16 E., LS25 E., LS32 E.,



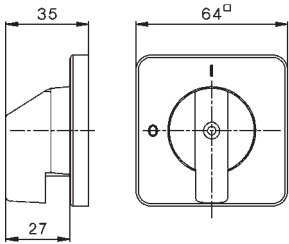
Escutcheon plate 48[□]
Handle



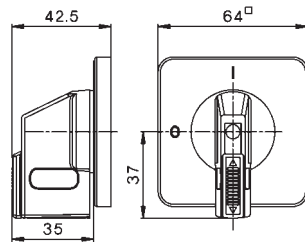
Mounting holes



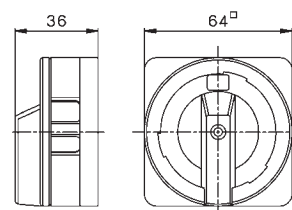
Escutcheon plate 64[□]
Handle



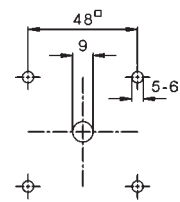
Padlock device SV1.



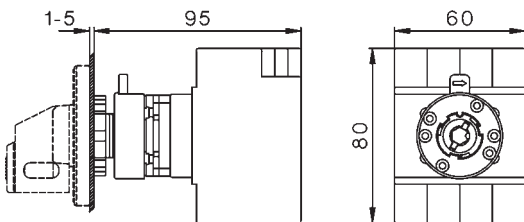
Padlock device SV4



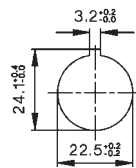
Mounting holes



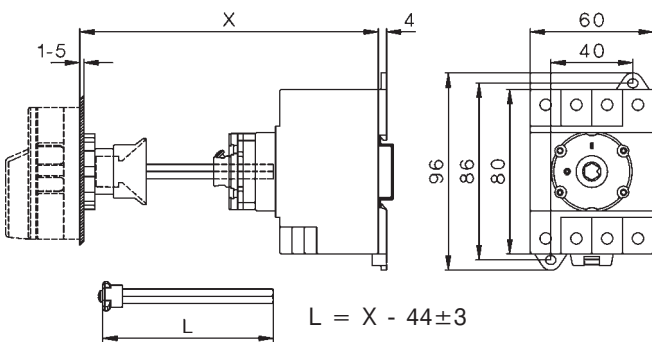
LS16 Z., LS25 Z., LS32 Z.,



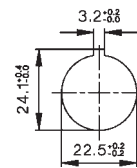
Mounting hole



LS16 V., LS25 V., LS32 V.,



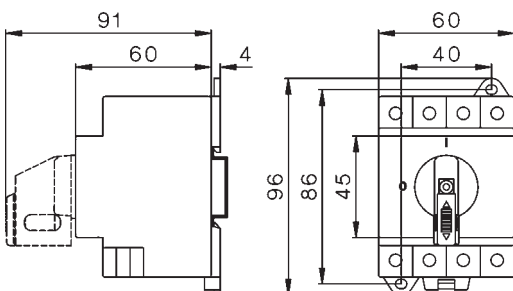
Mounting hole



delivered with : $X_{max.} = 194, L = 150$
($X_{min.} = 95$)

greater X-Dimensions on request

LS16 SMA., LS25 SMA., LS32 SMA.,



LS16 PF., LS25 PF., LS32 PF.,

