

UNISUN M & BC rigid solar panelss

HIGH EFFICIENCY

UNIPVSWITCH is a range of two-pole switch-disconnectors ideal for the safe operation of solar installations up to 500V DC (installation, maintenance or emergency intervention).

UNIPVSWITCH is designed to operate even under load, without risk to the switch-disconnector.

Its internal technology reduces the switching time and guarantees fast arc extinguishing during operation.

Thanks to its PV1/PV2 certification, it offers ideal protection, particularly in thermal applications between -40°C and +85°C.

The UNIPVSWITCH can be padlocked to prevent accidental operation during maintenance.

Its mechanical design offers 2 mounting options:
- Wall mounting (2 holes spaced 68 mm apart)
- 35 mm Din rail



Red and yellow
rotating handle
(optional)





**UNIPVSWITCH
500.32.2P**

Ref 5076



**UNIPVSWITCH
500.50.2P**

Ref 5083



**UNIPVSWITCH
500.50.2P**

Ref 5083

General technical data

Number of clusters	2	2	2
Fixation	Rail DIN/vis	Rail DIN/vis	built-in
Category of use			
DC-PV1	yes	yes	yes
DC-PV2	yes	yes	yes
Rated insulation voltage (Ui)	1500 V	1500 V	1500 V
Impulse withstand voltage (Uimp)	8000 V	8000 V	8000 V
Power dissipation per pole at 20A	0,2 W	0,2 W	0,2 W
Power dissipation per pole at 50A	1,25 W	1,25 W	1,25 W

Operating current to EN 60947-3/A2 2015 (Ie)x

500 V DC (Ue)			
PV1	32 A	50 A	50 A
PV2	16 A	-	-
750 V DC (Ue)			
PV1	25 A	32 A	32 A
PV2	10 A	18 A	18 A
1000 V DC (Ue)			
PV1	12 A	20 A	20 A
PV2	4 A	10 A	10 A

Technical data for short-circuit protection

Rated conditioned short-circuit current	5000 A	5000 A	5000 A
Maximum fuse size for short-circuit protection (gPV)	50 A	50 A	50 A
Rated short-time current - 1 s (Icw)	780 A	780 A	780 A
Rated short-circuit capacity (Icm)	1400 A	1400 A	1400 A

Mechanical characteristics

Max. cable cross-section (direct contact without lug)	6mm ²	6mm ²	6mm ²
Max. cable cross-section (with fork terminal)	10mm ²	10mm ²	10mm ²
Fixing screw size	M4	M4	M4
Contact clamping force +/-10%.	1,7 Nm	1,7 Nm	1,7 Nm
Operating and storage temperature	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C
Protection class	IP 20	IP 20	IP 20
Materials			
Plastic bodies	V0	V0	V0
External metal parts	Inox	Inox	Inox
External dimensions (H x W x D) in mm	78 x 45 x 76	78 x 45 x 76	78 x 45 x 76
Weight	145 g	145 g	145 g

Warranty

Duration			
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NEW

