

SD-3516

Low voltage drop diode for arrays of photovoltaic solar panels.

Maximum current 15Amp.

This device is planned to facilitate designers and installers of photovoltaic systems, in mounting the diode which stops the recirculation current, on strings of solar panels.

In fact, being galvanically isolated, it allows not to mount the IP20 protection nor insulate the body.

The adapter makes the DIN rail mounting quickly and safely. The working voltage allows its use for equipments according to the IEC 60364-7-712 standards.



FEATURES

- Electrically insulated
- High reverse blocking voltage
- Low thermal dissipation
- Galvanic insulation > 2500 Vac for 5 sec.
- Maximum values for the inserted diode 35A 1600V
- Section of terminals 6,4 mm²

The device is compliant with the 2006/95/CE low voltage standards and to the EN 50178 harmonized standards

Symbols	Parameters	Conditions	SD 3016	Units
V _L	Max Working DC Voltage (IEC60364-7-712)	150 °C - 5 mA	800	V
V _{rrm}	Max reverse Voltage (IEC60364-7-712)	T _j =150°C	1 600	V
V _f	Max forward voltage drop for diode	I _f = 10A I _f =15A	1,05 1,19	V
I _{avg}	Maximum Average current for diode	DC Conduction	15 @ 85	A @ °C
I _{fsm}	Max non repetitive surge current	10ms-V _r =0	480	A
I ² t	Max. fusing capability	10ms-V _r =0	1150	A ² s
T _j (max)	Max. operating junction temperature		150	°C
T _c -max	Max case temperature	DC Conduction (single)	100	°C
T _c	Max heatsink temperature at 10A Max heatsink temperature at 15A	At 40°C room temperature	72 85	°C
	Dimensions (L x W x H)		24x82x105	mm
W	Weight		235	g

Last verify of electrical parameters made on December, 2010.

WARNING: Agentech srl reserves the right to change features and dimensions without prior notice.