

TRANSCLINIC BKE 1K0.4**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**PV Solar String Monitoring System (PV Solar SMS)**

The PV Solar String Monitoring System is a new device developed to monitor currents and voltage at string level inside a combiner box.

This new device is able to monitor up to 32 strings and to measure up to 50A per string.

It can be directly powered by the solar array while providing reliable information and data.

In order to have a flexible design that can fit any customer requirements, the Solar String Monitoring System (Solar SMS) has been developed as a modular system.

It consists of:

- The Master Module, that includes the power supply and communication infrastructure (RS-485) to coordinate data gathering from sensors.
- The Slave Modules, that collect current data with the usage of hall effect sensors. These modules can mount 8 or 12 sensors each with 25A and 50A sensors respectively.

Solar SMS

General ordering data

Version	Photovoltaics, Power supply unit, Monitoring components, 1000 V
Order No.	7791400746
Type	TRANSCLINIC BKE 1K0.4
GTIN (EAN)	8430243294287
Qty.	1 pc(s).

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Depth	71 mm	Depth (inches)	2.795 inch
Height	90 mm	Height (inches)	3.543 inch
Width	71 mm	Width (inches)	2.795 inch
Net weight	230 g		

Temperatures

Ambient temperature	-35 to +70°C	Continuous operating temp., min.	-35 °C
Continuous operating temp., max.	70 °C		

Technical data

Pollution severity		Standards	IEC 61000-4-5 Surge: Power: 2 kV; Signal: 1 kV, IEC 61000-4-4:2012, IEC 61000-4-2
	2		
Voltage supply	300 V DC - 1000 V DC		

Classifications

ETIM 6.0	EC002928	ETIM 7.0	EC002928
ETIM 8.0	EC002928	ETIM 9.0	EC002928
ECLASS 9.0	22-57-92-03	ECLASS 9.1	22-57-04-90
ECLASS 10.0	22-57-04-90	ECLASS 11.0	22-57-02-92
ECLASS 12.0	22-57-02-92	ECLASS 13.0	22-57-02-92

Downloads

Catalogues	Catalogues in PDF-format
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