

TRANSCLINIC BKE 1K5.4

Weidmüller Interface GmbH & Co. KG
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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, 1500 V
Order No.	7791400879
Type	TRANSCLINIC BKE 1K5.4
GTIN (EAN)	8430243325974
Qty.	1 items

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Technical data

Approvals

ROHS Conform

Dimensions and weights

Depth	62 mm	Depth (inches)	2.4409 inch
Height	88 mm	Height (inches)	3.4646 inch
Width	90 mm	Width (inches)	3.5433 inch
Net weight	240 g		

Temperatures

Ambient temperature	-20 °C...70 °C	Operating temperature	
Continuous operating temp., min.	-20 °C	Continuous operating temp., max.	70 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c, 7a, 7cI
REACH SVHC	Lead 7439-92-1
SCIP	1df4a21b-8f30-4cfb-88b6-231429b3afe6

Technical data

Standards	IEC 61000-4-5 Surge: Power: 2 kV; Signal: 1 kV, IEC 61000-4-4:2012, IEC 61000-4-2	Pollution severity	2
Supply voltage	300 V DC - 1500 V DC		

Classifications

ETIM 8.0	EC002928	ETIM 9.0	EC002928
ETIM 10.0	EC002928	ECLASS 14.0	22-57-02-92
ECLASS 15.0	22-57-02-92		