

TRANSCLINIC BKE 1K0.4

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, 1000 V
Order No.	7791400746
Type	TRANSCLINIC BKE 1K0.4
GTIN (EAN)	8430243294287
Qty.	1 items

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Technical data

Dimensions and weights

Depth	71 mm	Depth (inches)	2.7953 inch
Height	90 mm	Height (inches)	3.5433 inch
Width	71 mm	Width (inches)	2.7953 inch
Net weight	230 g		

Temperatures

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

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption		
RoHS Exemption (if applicable/known)	6c, 7a, 7cl		
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 - 1000 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		