

**TRANSCLINIC BKE 1K5.4****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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, 1500 V
Order No.	<a href="#">7791400879</a>
Type	TRANSCLINIC BKE 1K5.4
GTIN (EAN)	8430243325974
Qty.	1 pc(s).

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Depth	62 mm	Depth (inches)	2.441 inch
Height	88 mm	Height (inches)	3.465 inch
Width	90 mm	Width (inches)	3.543 inch
Net weight	240 g		

**Temperatures**

Ambient temperature	-20 to +70°C	Continuous operating temp., min.	-20 °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 - 1500 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

**Approvals**

ROHS	Conform
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**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">EU Declaration of Conformity for TRANSCLINIC BKE 1K5.4</a> <a href="#">EU Declaration of Conformity for TRANSCLINIC BKE 1K0.4</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>