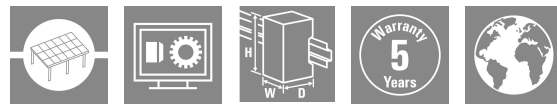


## SOLAR SMS MASTER

**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, Current monitoring, Voltage monitoring, 1500 V, Current monitoring, Voltage monitoring, Monitoring components
Order No.	<a href="#">4000002958</a>
Type	SOLAR SMS MASTER
GTIN (EAN)	8430243432313
Qty.	1 items

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**Technical data**

**Approvals**

Approvals



ROHS Conform

**Dimensions and weights**

Depth	189 mm	Depth (inches)	7.4409 inch
Height	92.7 mm	Height (inches)	3.6496 inch
Width	110.9 mm	Width (inches)	4.3661 inch
Net weight	525 g		

**Temperatures**

Operating temperature		Continuous operating temp., min.	-25 °C
Continuous operating temp., max.	70 °C	Humidity at operating temperature	5...95 %, no condensation

**Environmental Product Compliance**

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	7a, 7cl
REACH SVHC	Lead 7439-92-1
SCIP	9f0771a9-8aff-4670-ab97-f53e47dde174

**Technical data**

Number of digital inputs	2	Standards	ETSI EN 300 220-1 V3.1.1:2017, ETSI EN 300 220-2 V3.1.1:2017, ETSI EN 301 489-1 V2.2.3:2019, ETSI EN 301 489-3 V2.1.2:2021, EN 61326-1:2013, EN 62311:2020, EN 62109-1:2010
Pollution severity	2	Communication	MODBUS RS485 RTU
Rated voltage	1500 V DC	String-voltage measurement error	± 7.5 V from 200 V DC to 1,500 V DC
Altitude	≤ 2000 m	Maximum number of strings	32

**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		

SOLAR SMS MASTER

Drawings

