

# SOL-ES-PRO-RC - Sensor

1074982

<https://www.phoenixcontact.com/in/products/1074982>



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A IMT Technology GmbH silicon solar radiation sensor, type Si-RS485TC-T-MB, used to measure the irradiation intensity in  $\text{W/m}^2$ . The measurement value is provided via Modbus/RTU (RS-485).



## Product description

All "Solarline Environment Sensors" (SOL-ES) are used with the Phoenix Contact weather station via plug-and-play (see accessories). They are especially suitable for capturing weather data in photovoltaic systems.

## IMPORTANT INFORMATION

### Necessary accessories

A separate M12 connector (item no. 1424668, see "Accessories") is required for connecting the sensor SOL-ES-PRO-RC to the Phoenix Contact weather station.

### Modbus/RTU settings

By default, the Modbus address, the transmission rate, and the transmission format are adjusted so that they are compatible with all other SOL-ES weather sensors (address: 90, transmission rate: 19200, transmission format: 8E1).

An additional label with the factory Modbus settings is attached to the sensor below the rating plate.

## Your advantages

- With internal temperature measurement
- Corresponds to IEC 61724-1, Class A (highest precision)

## Commercial data

Item number	1074982
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	*****
Product key	DTHAAA
GTIN	4055626777627
Weight per piece (including packing)	0.35 kg
Weight per piece (excluding packing)	0.35 kg
Customs tariff number	85414900
Country of origin	DE

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## Technical data

### Notes

Note regarding documentation	For technical data, see the item-specific data sheet in the "Downloads" area
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### Product properties

Product type	Sensor
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## Classifications

### ECLASS

ECLASS-11.0	27143137
ECLASS-12.0	27143137
ECLASS-13.0	27143137

### ETIM

ETIM 9.0	EC000926
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### UNSPSC

UNSPSC 21.0	43201500
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Environmental product compliance

China RoHS	
Environment friendly use period (EFUP)	<div>EFUP-7</div> <div>An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.</div>
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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## Accessories

### SACC-M12MS-5PL M - Connector

1424649

<https://www.phoenixcontact.com/in/products/1424649>



Connector, Universal, 5-position, unshielded, Plug straight M12, coding: A, Push-lock spring connection, knurl material: Zinc die-cast, nickel-plated, external cable diameter 4 mm ... 8 mm

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### SAC-5PY-F/M-F VP SH - Y distributor

1419933

<https://www.phoenixcontact.com/in/products/1419933>



Y distributor, 5-position, shielded, Socket straight M12 SPEEDCON, coding: A, on Socket straight M12 SPEEDCON, coding: A and Plug straight M12 SPEEDCON, coding: A, Parallel distributor

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## SAC-5P-M12MS/ 0,3-PUR/M12FS SH - Sensor/actuator cable

1500884

<https://www.phoenixcontact.com/in/products/1500884>



Sensor/actuator cable, 5-position, PUR halogen-free, black-gray RAL 7021, shielded (Advanced Shielding Technology), Plug straight M12, coding: A, on Socket straight M12, coding: A, cable length: 0.3 m

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## SAC-5P-M12MS/ 0,6-PUR/M12FS SH - Sensor/actuator cable

1500897

<https://www.phoenixcontact.com/in/products/1500897>



Sensor/actuator cable, 5-position, PUR halogen-free, black-gray RAL 7021, shielded (Advanced Shielding Technology), Plug straight M12, coding: A, on Socket straight M12, coding: A, cable length: 0.6 m

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## SAC-5P-M12MS/ 1,5-PUR/M12FS SH - Sensor/actuator cable

1500907

<https://www.phoenixcontact.com/in/products/1500907>



Sensor/actuator cable, 5-position, PUR halogen-free, black-gray RAL 7021, shielded (Advanced Shielding Technology), Plug straight M12, coding: A, on Socket straight M12, coding: A, cable length: 1.5 m

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## SAC-5P-M12MS/ 3,0-PUR/M12FS SH - Sensor/actuator cable

1500910

<https://www.phoenixcontact.com/in/products/1500910>



Sensor/actuator cable, 5-position, PUR halogen-free, black-gray RAL 7021, shielded (Advanced Shielding Technology), Plug straight M12, coding: A, on Socket straight M12, coding: A, cable length: 3 m

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## WP-PA HF 13,0 BK - Protective hose

3240681

<https://www.phoenixcontact.com/in/products/3240681>



Protective hose, material: PA 6, UV-resistant: yes, flexible, degree of protection: IP68, color: black, flammability rating in acc. with UL 94: V0, inside diameter: 10 mm, Total length: 50 m

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## SOL-SC-WTH-STN - Weather station

1322110

<https://www.phoenixcontact.com/in/products/1322110>



Weather station for acquiring measured data from connected environmental sensors. Together with SOL-ES sensors, it can be used in PV parks or other industrial areas, for example. The measured data is made available to the user via a user interface and transmitted to a higher-level data management system.



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## SACC-M12FS-4PL SH - Connector

1424668

<https://www.phoenixcontact.com/in/products/1424668>



Connector, Universal, 4-position, shielded, Socket straight M12, coding: A, Push-lock spring connection, knurl material: Zinc die-cast, nickel-plated, external cable diameter 4 mm ... 8 mm

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