

## SMART SENSOR - CSS 014

### CSS

01420.2-00

CSS 014 Smart sensor, -40°C...+60°C, 0...100% RH,  
4-20mA output, M12 connector

- High Accuracy
- 4-20mA Temperature & Humidity outputs
- Compact DIN or screw mount
- M12 Quick connect socket
- IO-Link version



### PRODUCT DESCRIPTION

The compact Smart Sensor CSS 014 electronically records temperature and humidity and converts the measured data into a standardized analog 4-20 mA or a digital IO-Link signal.

The converted value signals can be utilized or further processed by a control or monitoring unit, e.g. a PLC control.

The Smart Sensor is suitable for installation inside and outside the enclosure, even in harsh environmental conditions as can be found in the wind power industry: in shielded outdoor areas and exposed to vibrations.

## TECHNICAL DATA

### GENERAL DATA

Mounting	TS 35, Screw fixing
Control range humidity to	100 % RF
Control range temperature to	60 °C
Control range humidity from	0 % RF
Control range temperature from	-40 °C

### RATED OPERATING CONDITIONS

Operational temperature	-40°C ... +70°C
Connection type	M12 round plug connector
Storage temperature	-40°C ... +85°C
Humidity storage	<90% RH

Operating humidity	< 90% RH
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## DIMENSIONS

Weight	0,05 kg
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Depth	38 mm
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Width	40 mm
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Material of body	Plastic
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Height	140 mm
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## SAFETY & APPROVALS

IP class	IP20
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Protection class	III
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Approvals	CE, cRUus, RoHS, UL, VDE
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Power consumption	1,8 W
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