(88888) 00000 MEN CONTRACTOR

Example of connection

SMART SENSOR ANALOG

CSS 014 DC 24 V



125 Protection type IP57

- > Analog interface
- > Small size
- > Easy clip and/or screw fixing
- > Quick connection (M12 plug-in connector)
- > High accuracy
- > Large temperature and humidity range
- > Various application areas (IEC 61010-1/DIN EN 61010-1)

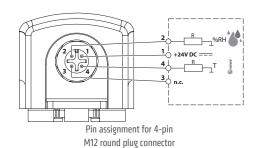
The compact Smart Sensor CSS 014 electronically records temperature and humidity and converts the measured data into a standardized analog 4-20 mA signal. The converted value signals can be utilized or further processed by a control or monitoring unit, e.g. a PLC control. The Smart Sensor is suitable 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

Measuring signals analog (4-20 mA)	temperature, humidity
Load resistance (external)	\leq 500 Ω (4-20 mA only)
Connection	M12 round plug connector, IEC 61076-2-101, 4-pin, A-coded, shielded
Electrical protection	Reverse-polarity, short circuit, overvoltage protection
Mounting	clip for 35 mm DIN rail, EN 60715 and screw fixing M5
Casing	plastic according to UL94 V-O, light grey
Dimensions	140 x 40 x 38 mm
Weight	~ 50 g
Fitting position	vertical, connection on top
Storage temperature	-40 to +85 °C (-40 to +185 °F)
Operating/Storage humidity	< 90 % RH (non-condensing)
Protection type¹/Protection class	IP20 (sensor only IP57) / III (SELV)
Approvals	VDE, UL File No. E500143 (acc. to IEC 61010-1/DIN EN 61010-1), EAC
Note	other measuring ranges on request

¹The PCB (printed circuit board) is coated on both sides with a certified protective lacquer to protect against corrosion and for improvement of the tracking resistance.





¹⁶⁰ Ω < R < 500 Ω : (DC 20-30 V)

 $^{^{2}\}text{Tolerance}$ data measured at nominal voltage DC 24 V and 500 Ω load resistance.