

## Features

- Measures AC current up to 100 A contactless
- Cable diameter up to 11.4 mm
- Internal processing of measured values
- Dual – Analogue & Digital (IO-Link) interface in one device

## RS PRO Sensors

RS Stock No.: 0149182



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**Product Description****SMART CURRENT SENSOR - ESS 076**

The ESS 076 smart current sensor measures the AC current of cables without contact. Measured data is output in analogue (4-20 mA signal) or digital (IO-Link) form. Measured and processed data - such as power and energy - is made available to higher-level systems such as machine control systems or edge computers for condition monitoring via the IO-Link interface.

- Certificates: CE, UKCA, EAC, UL (pending)

**General Specifications**

Operating Voltage	DC 24 V
Frequency	50, 60 Hz
Measuring Signal	Amperage
Fitting Position	Variable
Mounting System	Clip for 35mm DIN rail, EN 60715
Power Consumption	< 0.95 W
Interface	IO-Link (version 1.1), 4 – 20 mA
Operating Temperature	-40°C to 70°C (-40°F to 158°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Operating/Storage Humidity	< 90 % rF
Weight	100g

**Electrical Specifications**

Electrical Rating	Reverse polarity protection, short-circuit proof, overvoltage protection
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**Mechanical Specifications**

Material	Plastic to UL94 V-0, Light Grey
Dimensions	
Length	46.5 mm
Width	35 mm
Height	86 mm

## Protection Category

IP Rating	IP40/III
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## Approvals

Compliance/Certifications	
Declarations	CE, UKCA, EAC, (UL Pending)
Standards Met	IO-Link (version 1.1), 4 – 20 mA

