NEW: 3-PHASE SMART CURRENT SENSOR

ESS 076



The ESS 076 (3-phase) smart current sensor measures three-phase alternating current without contact. The three current conductors are fed through the openings of the through-type transformers. The measured current is processed digitally. It is output either via the analog output or via the IO-Link interface. Power and energy are calculated internally. These values are also output via the IO-Link interface.

- Measures three-phase AC currents without contact
- Cable diameter up to 11.4 mm
- Clip and screw fixing
- Analog 4-20 mA interface
- Digital IO-Link interface

OVERVIEW TECHNICAL DATA

Device type	IO-Link products
Measurement signal	Amperage
Electrical protection	Reverse polarity protection, short-circuit proof, overvoltage protection
Protection class	III
Protection type	IP30
Casing	Plastic to UL94 V-0, light gray
AC/DC	DC
Operating voltage	24 V
Frequency	50; 60 Hz
Power consumption	1 W
Measurement range	0 A - 100 A
Measurement range tolerance	± 0,5; (± 1,5) A
Load resistance external	≤ 500 Ω
Operating temperature	-40 °C - 70 °C
Operating humidity	≤90 % RH
Storage humidity	≤90 % RH
Storage temperature	-40 °C - 85 °C
Connection	M12 round plug, IEC 61076-2-101, 4-pin, A-coded, shielded
Design	IO-Link (version 1.1), 4 - 20 mA
Mounting	Clip for 35 mm DIN rail, EN 60715; screw fixing with supplied mounting bracket
Installation position	any
Height	70 mm
Width	82 mm
Depth	49,5 mm

Weight	200 g
Note	Conductor diameter 11.4 mm. Tolerances measured at DC 24 V.

PRODUCT VARIANTS

Article number
07601.2-00

TECHNICAL DRAWINGS



