

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	100 A
Measurement range tolerance	± 0,5; (± 1,5) A
Load resistance external	≤ 500 Ω
Operating temperature	-40 °F - 158 °F
Operating humidity	≤90 % rF
Storage humidity	≤90 % rF
Storage temperature	-40 °F - 185 °F
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	2.8 in
Width	3.2 in
Depth	1.9 in



Weight	7.1 oz
Note	Conductor diameter 11.4 mm. Tolerances measured at DC 24 V.

PRODUCT VARIANTS

Article number	
07601.2-00	

TECHNICAL DRAWINGS