Reference: EI3008I020

SENSING RANGE >6 to 8 mm OUTPUT Analogue CONNECTION Cable WIRE 3-wire MATERIAL Metal SYSTEM Proximity Sensor Others HOUSING M30 x 48 mm MATERIAL Nichel Plated Brass SENSING RANGE 3 to 8 mm OUTPUT FUNCTION 4 - 20 mA

Buy it at Electric Automation Network

Proximity Sensors Inductive Analogue Position Sensor Types EI, M18, M30
• Nickel-plated brass housing, cylindrical
• Diameter: M18, M30
• Sensing range:EI 1805 I020: 2 to 5 mm
EI 3008 I020: 3 to 8 mm
• Power supply: 15 to 30 VDC
• Current source output: 0 to 20 mA
• Protection: Reverse polarity, internal current limiter
• 2 m cable or plug M12
Product Description
Ordering Key
EI 1805 I020-1
Cylindrical analogue position sensor in M18 and M30 nick- el-plated brass housings. High degree of linearity, out- put current 0 to 20 mA. Can
be extended with level ampli- fier relay S 183 and analogue display to make up complete measuring systems.
Type: Inductive switch
Housing diameter
Rated operating dist. (mm) Current output 0 to 20 mA Connection type
Type Selection
HousingRated Ordering no. Ordering no. diameteroperatingOutput typeOutput type dist. (Sn)0 to 20 mA0 to 20 mA
M182 to 5 mm 1) EI 1805 I020EI 1805 I020-1
M303 to 8 mm 1) EI 3008 I020
1) For flush mounting in metal
Specifications
Rated operational volt. (Ue) 17 to 27 VDC (UB) 15 to 30 VDC
(ripple included)
Ripple ≤ 10%
Rated operational current (Ie)0 to 20 mA

(R load: 0 to 500 Ω)
Max. 30 mA (current limiter)
No-load supply current (Io)≤ 7 mA (no load)
Protection Reverse polarity current limiter
Transient voltage≤ 2 kV/0.5 J (prepared)
Power ON delay Safe operation after 1 s
Rate of rise EI 1805 I020 ≥ 1 mm/ms
EI 3008 I020 ≥ 3 mm/ms
Assured operating dist. (Sa) EI 1805 I020 2 to 5 mm
EI 3008 I020 3 to 8 mm
Linearity ± 3% of full scale Repeat accuracy (R)≤ 1% Temperature drift EI 1805 I020
≤ 2 µm/°C per mm
EI 3008 I020
≤ 1 µm/°C per mm
Ambient temperature
Operating -15° to +65°C (+5° to +144°F) Storage-20° to +70°C (-4° to +158°F)
Degree of protectionIP 67
(Nema 1, 3, 4, 6, 13)
Housing material
BodyNickel-plated brass
FrontBlue thermoplastic polyester
BackBlack thermoplastic polyester
Cable2 m, 3 x 0.25 mm2
grey PVC, oil proof
Weight (cable included) EI 1805 I020 85 g
EI 3008 I020 195 g
Tightening torque EI 1805 I020 17.5 Nm
EI 3008 I020 35.0 Nm
CE-markingYes
Specifications are subject to change without notice (04.05.10)1