



1) Not incl. in scope of del. 2) Unusable area 3) Nom. stroke = Meas. length 4) Mounting surface 5) Internal thread M4x4/6 deep

- Series Rod
- Analog interface, current



General attributes

Approvals / Conformity CE
cULus
IP67 (with connector)
Enclosure Type per IEC 60529 Generation 7
No of magnets, factory setting 1 ST
Polarity reversal protected Up to 36 V
Short circuit protected to GND and to 36 V DC

Electrical attributes

Connection type Connector
Current draw (at 24 V DC) ≤ 150 mA
Error signal Ia rising 3.6 mA
For dynamic loop applications No
Inrush current ≤ 500 mA / 10 ms
Interface Analog interface, current
Interface group Analog
Load resistance RL max. ≤ 500 Ohm
Non-linearity max. ±50 µm
Number of magnets max. 1 ST
Operating voltage UB max. DC [V] 28.0 V
Operating voltage UB min. DC [V] 20.0 V
Output signal 4...20 mA
Output signal adjustable With setup tool
Via programming inputs Up to 36 V
Overvoltage protected No
Potential isolation No
Programming inputs 20 ... 28 V DC, High-active
Ripple 0.5 Vpp
Voltage resist (GND – housing) 500 V AC

Mechanical attributes

Nominal stroke 460 mm

Ambient temperature Ta max. 85 °C
Ambient temperature Ta min. -40 °C
Cable/connector out Axial
Connector type M16
E module 200 kN/mm²
EN55016-2-3 (emission) Indust. and residential area
EN60068-2-27 (shock) 150 g / 6 ms
EN60068-2-29 (contin. shock) 150 g / 2 ms
EN60068-2-6 (vibration) 20 g, 10...2000 Hz
EN60068-2-64 (noise) 20 g, 10...2000 Hz
EN61000-4-2 (ESD) Severity Level 3
EN61000-4-3 (RFI) Severity Level 3
EN61000-4-4 (Burst) Severity Level 3
EN61000-4-5 (Surge) Severity Level 2
EN61000-4-6 (HF fields) Severity Level 3
EN61000-4-8 (magnetic fields) Severity Level 4
Flange material Stainless steel 1.3952
Housing material Anodized aluminum
Mounting type Threaded flange M18x1.5
Null point 30.0 mm
Number of poles 8
O-ring material Viton
Offset mounting surface Yes
Outer tube material Stainless steel 1.4571
Pressure resistance ≤ 600 bar
Relative humidity < 90 %, non-condensing
Repeat accuracy ±5 µm
Storage temperature max. 100 °C
Storage temperature min. -40 °C
Style Series Rod
TK, typ. (at 50 % of 500 mm) ≤ 30 ppm/K
Version Type B
With O-ring Yes

Pin	
1	4...20 mA
2	0V
3	NC
4	La
5	NC
6	GND
7	+24 V DC
8	Lb

