



1) Not incl. in scope of del. 2) Unusable area 3) Nom. stroke = Meas. length

- Series Profile
- Analog interface, current



General attributes

Approvals / Conformity CE, cURus
 Enclosure Type per IEC 60529 IP67 (with connector)
 Generation 5
 No of magnets, factory setting 1 ST
 Polarity reversal protected Yes

Electrical attributes

Connection type Connector
 Current draw (at 24 V DC) ≤ 150 mA
 Error signal Ia falling ≤ 3.2 mA
 Error signal Ia falling < 0 V
 Error signal Ua rising ≥ 10.2 V
 For dynamic loop applications No
 Inrush current ≤ 3 A / 0.5 ms
 Interface Analog interface, current
 Interface group Analog
 Load resistance RL max. ≤ 500 Ohm
 Non-linearity max. ±0.02 % FS
 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 20...4 mA
 Overvoltage protected Yes
 Potential isolation Yes
 Ripple 0.5 Vpp
 Voltage resist (GND – housing) 500 V DC

Mechanical attributes

Nominal stroke 1,300 mm

Ambient temperature Ta max. 85 °C
 Ambient temperature Ta min. -40 °C
 Cable/connector out Axial
 Connector type M16
 EN55016-2-3 (emission) Industrial sector
 EN60068-2-27 (shock) 100 g / 6 ms
 EN60068-2-29 (contin. shock) 100 g / 2 ms
 EN60068-2-6 (vibration) 12 g, 10...2000 Hz
 EN60068-2-64 (noise) 5 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
 Housing material Anodized aluminum
 Mounting type Mounting clamps
 Null point 73.0 mm
 Number of poles 8
 Profile height 36.8 mm
 Relative humidity < 90 %, non-condensing
 Repeat accuracy ≤ ±0.2 µA
 Resolution ≤ 0.2 µA
 Sampling rate (length-depend.) 1 kHz, standard
 Storage temperature max. 100 °C
 Storage temperature min. -40 °C
 Style Series Profile
 TK, typ. (at 50 % of 500 mm) ≤ 35 ppm/K
 Version Type P

85 °C
 -40 °C
 Axial
 M16
 Industrial sector
 100 g / 6 ms
 100 g / 2 ms
 12 g, 10...2000 Hz
 5 g, 10...2000 Hz
 Severity Level 3
 Severity Level 3
 Severity Level 3
 Severity Level 2
 Severity Level 3
 Severity Level 4
 Anodized aluminum
 Mounting clamps
 73.0 mm
 8
 36.8 mm
 < 90 %, non-condensing
 ≤ ±0.2 µA
 ≤ 0.2 µA
 1 kHz, standard
 100 °C
 -40 °C
 Series Profile
 ≤ 35 ppm/K
 Type P

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