



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  
 IP67 (with connector)  
 Enclosure Type per IEC 60529 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 rising ≥ 20.4 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. ±100 µm  
 Number of magnets max. 1 ST  
 Operating voltage UB max. DC 28.0 V  
 Operating voltage UB min. DC 20.0 V  
 Output signal 4...20 mA  
 Overvoltage protected Yes  
 Potential isolation Yes  
 Ripple 0.5 Vpp  
 Voltage resist (GND – housing) 500 V DC

**Mechanical attributes**

Nominal stroke 250 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

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

