

Mechanics/electronics

Supply voltage	10 V DC ... 30 V DC
Ripple	≤ 10 %
Voltage drop	≤ 2 V ¹⁾
Current consumption	≤ 10 mA ²⁾
Hysteresis	3 % ... 20 %
Reproducibility	≤ 2 % ^{3) 4)}
Temperature drift (of S_r)	± 10 %
EMC	According to EN 60947-5-2
Continuous current I_a	≤ 200 mA
Short-circuit protection	✓
Reverse polarity protection	✓
Power-up pulse protection	✓
Shock and vibration resistance	100 g / 11 ms / 1000 cycles; 150 g / 1 Mio cycles; 10 Hz ... 55 Hz, 1 mm / 55 z ... 500 Hz / 15 g
Ambient operating temperature	-40 °C ... +100 °C
Housing material	Stainless steel, V2A (1.4305)
Sensing face material	Plastic, LCP
Housing length	50 mm
Thread length	34 mm
Tightening torque, max.	Typ. 14 Nm ⁵⁾
UL File No.	E181493

¹⁾ At I_a max.

²⁾ Without load.

³⁾ U_b and T_a constant.

⁴⁾ Of S_r.

⁵⁾ Valid if toothed side of nut is used.

Reduction factors

Note	The values are reference values which may vary
Stainless steel (V2A, 304)	Approx. 0.69
Aluminum (Al)	Approx. 0.37
Copper (Cu)	Approx. 0.28
Brass (Br)	Approx. 0.4

Installation note

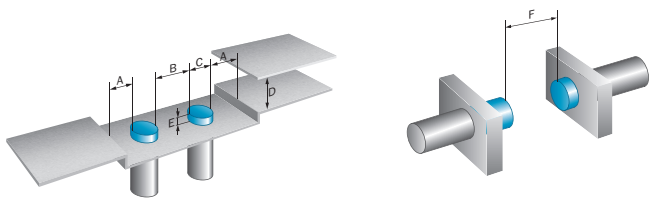
Remark	Associated graphic see "Installation"
A	8 mm
B	18 mm
C	8 mm
D	12 mm
E	8 mm
F	32 mm

Classifications

ECl@ss 5.0	27270101
ECl@ss 5.1.4	27270101
ECl@ss 6.0	27270101
ECl@ss 6.2	27270101
ECl@ss 7.0	27270101
ECl@ss 8.0	27270101
ECl@ss 8.1	27270101
ECl@ss 9.0	27270101
ETIM 5.0	EC002714
ETIM 6.0	EC002714
UNSPSC 16.0901	39122230

Installation note

Non-flush installation



Connection diagram

Cd-006

