

Detailed technical data

Features

cylinder type	T-slot
cylinder types with adapter	Profile cylinder Tie-rod cylinder Round body cylinder Dovetail groove cylinder SMC rail CDQ2 SMC rail ECDQ2
Housing length	29.5 mm
output type	PNP / NPN (depending on type)
Switching frequency, typ.	± 1,000 Hz
output function	NO / NC (depending on type)
enclosure rating ¹⁾	IP 65, IP 67

¹⁾ According to EN 60529.

Mechanics/electronics

Supply voltage ¹⁾	10 V DC ... 30 V DC
Power consumption ²⁾	≤ 8 mA
Voltage drop	≤ 2 V
continuous current I_a	≤ 100 mA
Protection class	III
response sensitivity, typ.	3 mT
overrun distance, typ.	10 mm
Hysteresis, typ.	< 0.8 mT
repeatability ³⁾	≤ 0.1 mT
reverse polarity protection	I
Short-circuit protection	I
Ambient operating temperature	-30 °C ... +80 °C (PUR) -30 °C ... +70 °C (PVC) (depending on type)
Shock and vibration resistance	30 g, 11 ms / 10 ... 55 Hz, 1 mm
eMc	According to EN 60947-5-2
Housing material	Plastic
cable material	PUR / PVC (depending on type)
conductor cross-section	0.14 mm ² / 0.12 mm ² (depending on type)

¹⁾ Limit values when operated in short-circuit protected network: max. 8 A.

²⁾ Without load.

³⁾ U_b and T_a constant.

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Subject to change without notice