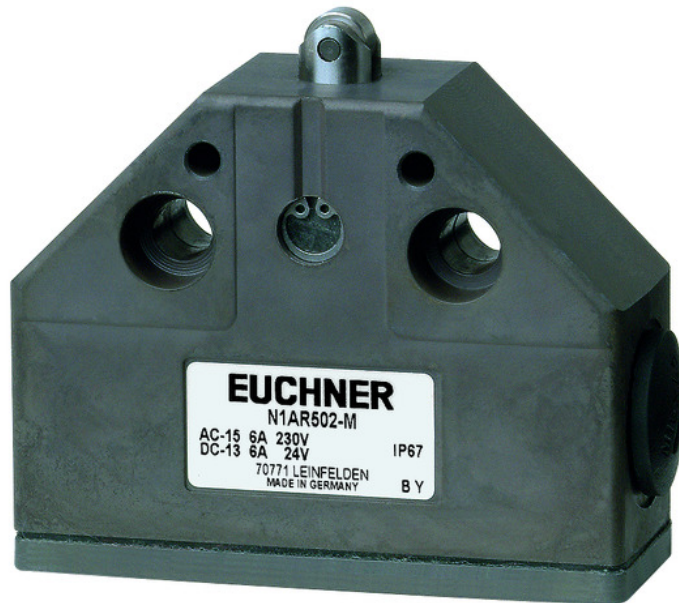


ITEM 078485 N1AR502-M

Description	Technical data	Accessories	Downloads
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Features

- › Plunger material stainless steel
- › Housing according to DIN 43693

Mechanical values and environment

Contact bounce time	< 3ms
Contact closing time	< 4ms
Design	Housing according to DIN 43693
Housing material	Anodized die-cast alloy
Weight	Net 0,25 kg
Ambient temperature	-5 ... 80 °C
Degree of protection	IP67
Mechanical life	30 x 10 ⁶
Contact material	Silver alloy, gold flashed
Switching principle	Snap-action switching contact

Installation position	Any
Number of switching elements	1
Number of NC contacts	1
Number of NO contacts	1
Connection	2 x M16 x 1.5
Approach speed	max. 0,01 ... 80 m/min
Actuating element	Roller plunger ^[1]
Roller diameter	8 mm
Actuating force	min.20 N
Operating point accuracy	± 0.01 ^[2]

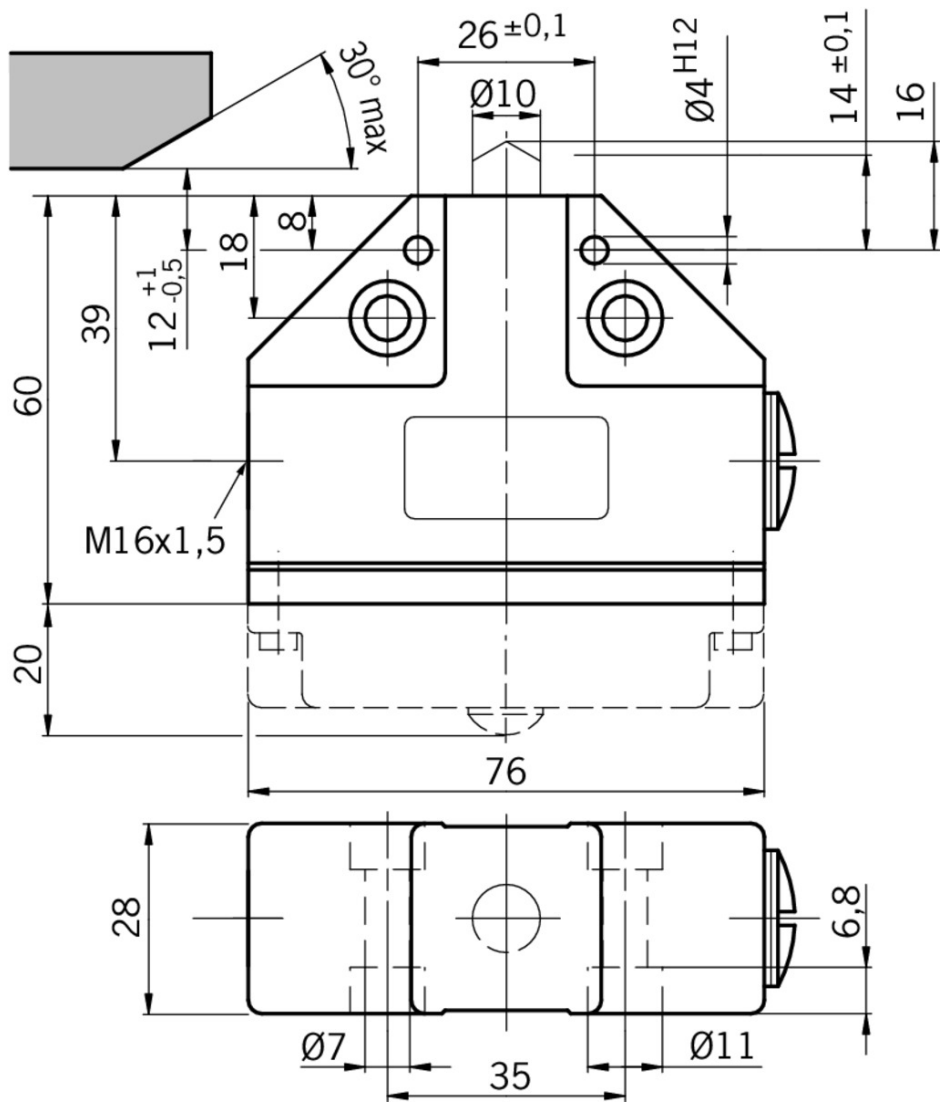
Electrical connection ratings

rated thermal current I_{th}	8 A
Utilization category according to EN 60947-5-1	AC-15 6A 230V DC-13 6A 24V AC-12 8 A, 250 V
Short circuit protection according to IEC 60269-1	(Fuse) 8A gG
Rated insulation voltage U_i	250 V
Rated impulse withstand voltage U_{imp}	2,5 kV
Switching current	Min. at DC 12V 10 mA
Connection cross-section	0,34 ... 1,5 mm ²

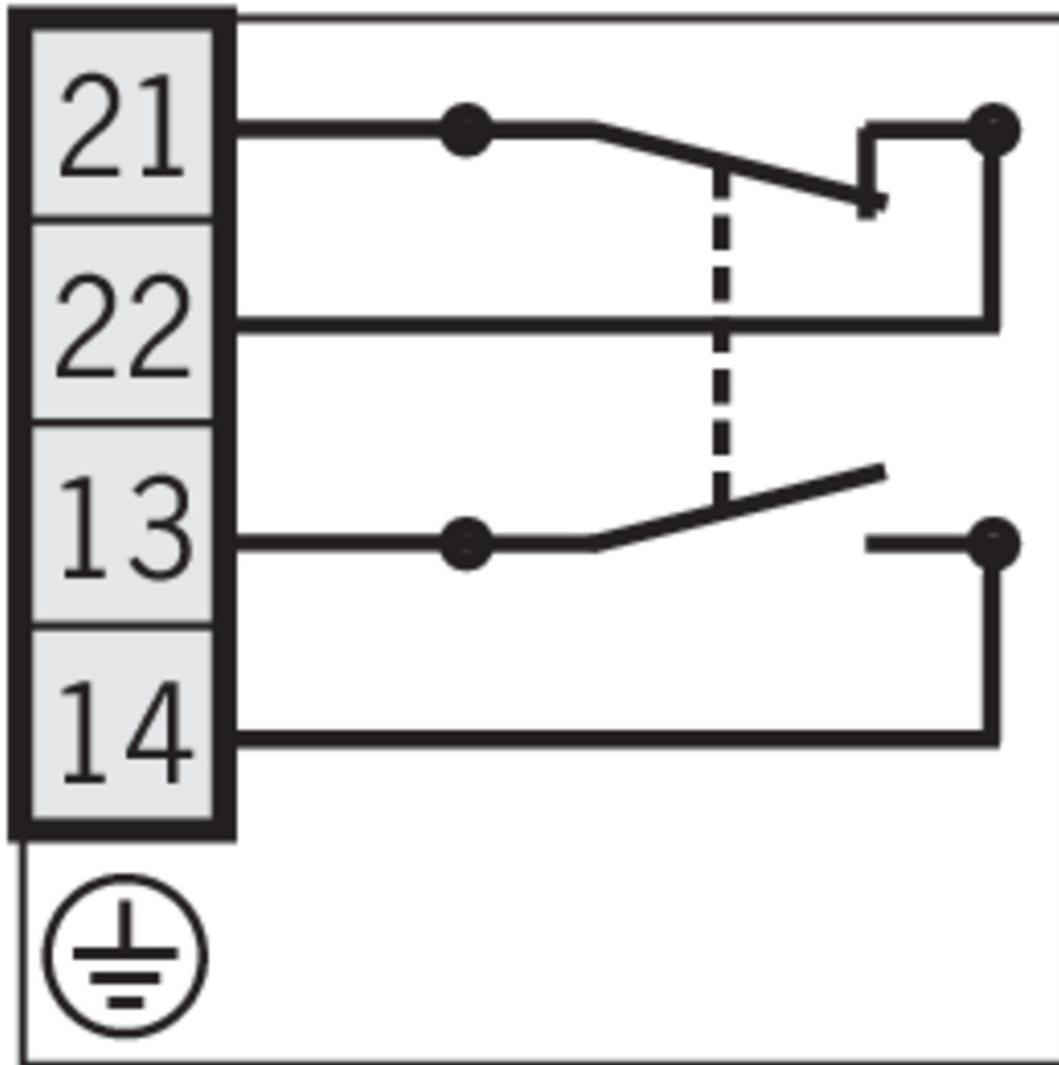
[1] Plain bearing

[2] The reproducible switching point accuracy refers to the axial travel of the plunger after the switching element ES 502 E has been run-in with approx. 2000 operating cycles.

Dimension drawing



ES502E









Instructions

- Operating Instructions Precision Single Limit Switches N1A

	Doc. no.	Version	Language	Download
Betriebsanleitung Präzisions-Einzelgrentaster N1A	032309	11-01/17		 1.9 MB
Operating Instructions Precision Single Limit Switches N1A				
Manual de instrucciones Finales de carrera unitarios de precisión N1A				
Mode d'emploi Monopistes de précision N1A				
Istruzioni di impiego Finecorsa di precisione singoli N1A				

Catalogs

- Position Switches

	Doc. no.	Version	Language	Download
Positionsschalter	094549	11-01/17		 1.8 MB
Position Switches	094550	11-01/17		 1.8 MB
Interrupteurs de position	111607	11-01/17		 1.8 MB

CAD data

CAD data for this item on TraceParts