

ITEM 082450 SN02D12-502-MC1688

Description	Technical data	Accessories	Downloads
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Features

- › plunger spacing 12 mm
- › Upright housing, small flange
- › Degree of protection IP67 according to IEC 60529

Switching element

ES 502 E Snap-action switching contact 1 NC + 1 NO

Approvals



Mechanical values and environment

Contact bounce time	< 3ms
Contact closing time	< 4ms

Design	Upright
Housing material	Die-cast aluminum, anodized
Weight	
Net	0,4 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
Plunger spacing	12 mm
Installation position	Any
Number of switching elements	2
Number of NC contacts	2
Number of NO contacts	2
Connection	2 x M20 x 1.5
Approach speed	0,01 ... 40 m/min
Actuating element	Chisel plunger
Actuating force	min.20 N
Operating point accuracy	± 0.002 [1]

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	min.10 mA
Connection cross-section	0,34 ... 1,5 mm ²

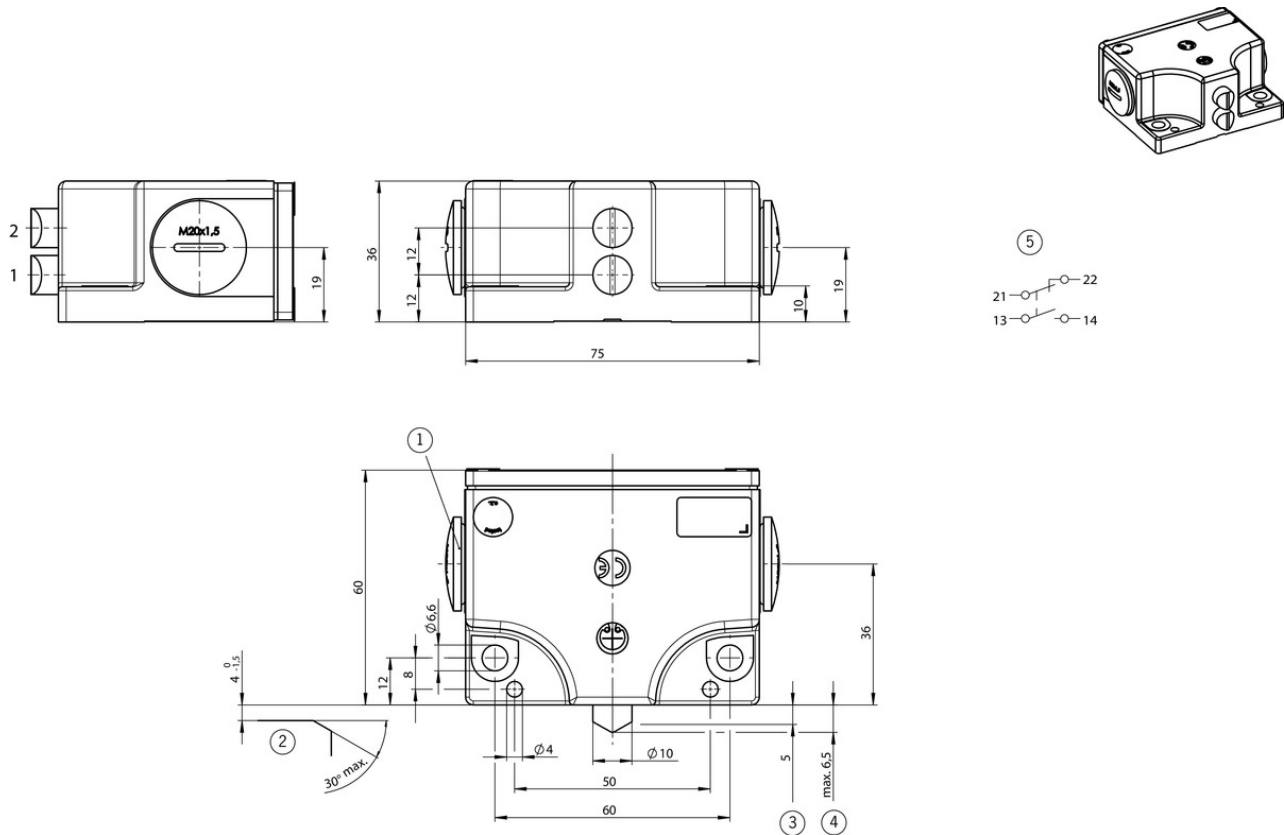
Miscellaneous

C number	
C1688	[2]

[1] 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.

[2] With two screw plugs M20 x 1.5

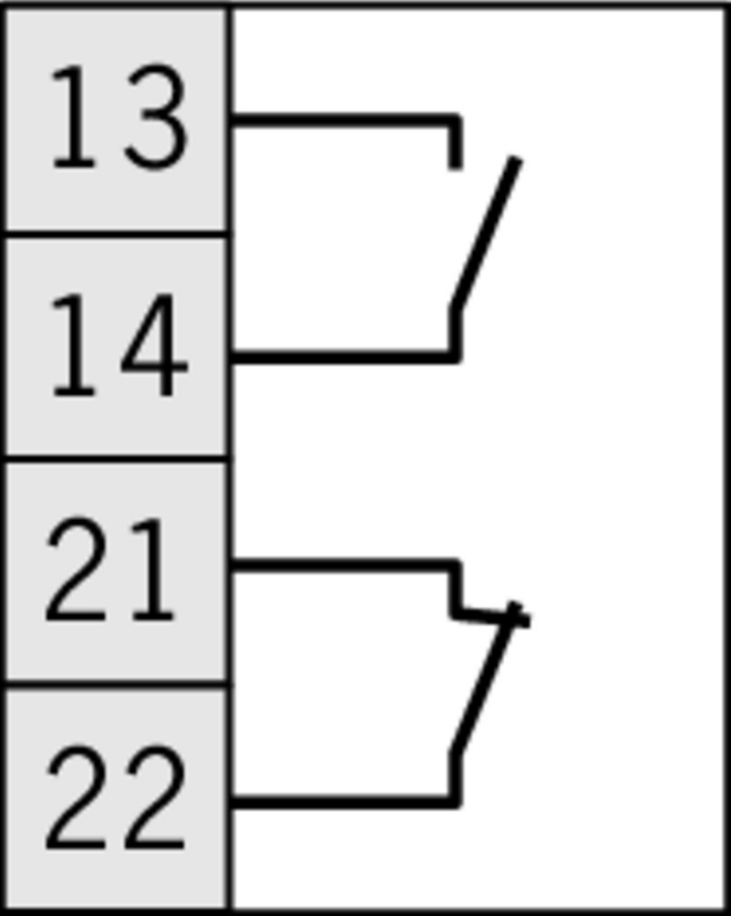
Dimension drawing



Legende

- 1 Locking screw on both sides M20x1.5
- 2 Dog
- 3 Operating point
- 4 Free position
- 5 Snap-action switching contact with one NO and one NC contact. Double gap contacts, electrically isolated switching contacts.

ES 502 E



Instructions

 Betriebsanleitung Präzisions-Reihengrenztaster SN 12/16 mm

	Doc. no.	Version	Language	Download
Betriebsanleitung Präzisions-Reihengrenztaster SN 12/16 mm	032308	08-07/16		 1.2 MB
Mode d'emploi Boîtiers multipistes de précision SN 12/16 mm				
Istruzioni di impiego Finecorsa multipli di precisione SN 12/16 mm				
Operating Instructions Precision Multiple Limit Switches SN 12/16 mm				