

## ITEM 091445 SN02R16-502LE220-M

Description	Technical data	Accessories	Downloads
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### Features

- › plunger spacing 16 mm
- › Upright housing, small flange
- › Degree of protection IP67 according to IEC 60529
- › LED function display

### Switching element

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

### LED function display

Function display is available for the following voltage range

**LE220** 220 V AC  $\pm 15\%$

### Approvals

## Mechanical values and environment

Design	Upright	
Housing material	Die-cast aluminum, anodized	
Weight	Net	0,45 kg
Ambient temperature	-5 ... 80 °C	
Degree of protection	IP67	
Mechanical life	30 x 10 <sup>6</sup>	
Contact material	Silver alloy, gold flashed	
Switching principle	Snap-action switching contact <b>[1]</b>	
Plunger spacing	16 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		
	max.	0,01 ... 80 m/min
Actuating element		
	Plain bearing	Roller plunger <b>[2]</b>
Actuating force	min.20 N	

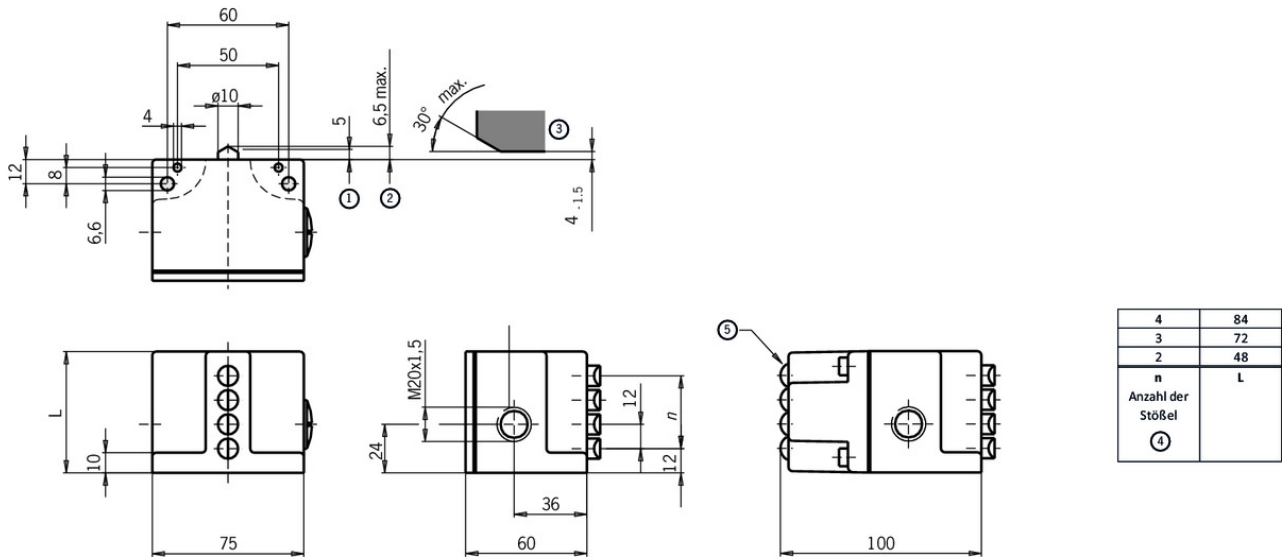
## Electrical connection ratings

Rated thermal current I <sub>th</sub>	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 <sub>i</sub>	250 V	
Rated impulse withstand voltage U <sub>imp</sub>	2,5 kV	
Switching current		
	Min. at DC 12V	min.10 mA
Connection cross-section	0,34 ... 1,5 mm <sup>2</sup>	
Display module		
	AC	187 ... 220 V 253 V LED

[1] Contact closing time < 4 ms contact bounce time < 3 ms

[2] Operating point accuracy  $\pm 0.01$ . 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



### Legende

- 1 Operating point
- 2 Free position
- 3 Dog
- 4 n Number of plungers
- 5 LED






## Switching element

# 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				

## CAD data

CAD data for this item on TraceParts