

ITEM 088756 SN06D12-502LE060-M

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
- › 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

LE060 12 ... 60 V AC/DC

Approvals

Mechanical values and environment

Design	Upright
Housing material	Die-cast aluminum, anodized
Weight	
Net	0,65 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 ^[1]
Plunger spacing	12 mm
Installation position	Any
Number of switching elements	6
Number of NC contacts	6
Number of NO contacts	6
Connection	
	2 x M20 x 1.5
Approach speed	
max.	0,01 ... 40 m/min
Actuating element	Chisel plunger ^[2]
Actuating force	min.20 N

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
Display module	
AC/DC	12 ... 60 V 60 V LED

[2] Operating point accuracy ± 0.002 . 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.

Technical drawing of a mechanical part, showing three views: front, top, and side. The drawing includes dimensions and callouts for specific features.

Front View:

- Overall width: 60
- Overall height: 12
- Top flange width: 50
- Top flange thickness: 4
- Central slot width: $\phi 10$
- Slot depth: 6.5 max.
- Chamfer angle: 30° max.
- Bottom flange thickness: 4 ± 0.5

Top View:

- Overall width: 60
- Overall height: 75
- Top flange width: 50
- Top flange thickness: 4
- Central slot width: $\phi 10$
- Slot depth: 6.5 max.
- Chamfer angle: 30° max.
- Bottom flange thickness: 4 ± 0.5

Side View:

- Overall width: 60
- Overall height: 12
- Top flange width: 50
- Top flange thickness: 4
- Central slot width: $\phi 10$
- Slot depth: 6.5 max.
- Chamfer angle: 30° max.
- Bottom flange thickness: 4 ± 0.5

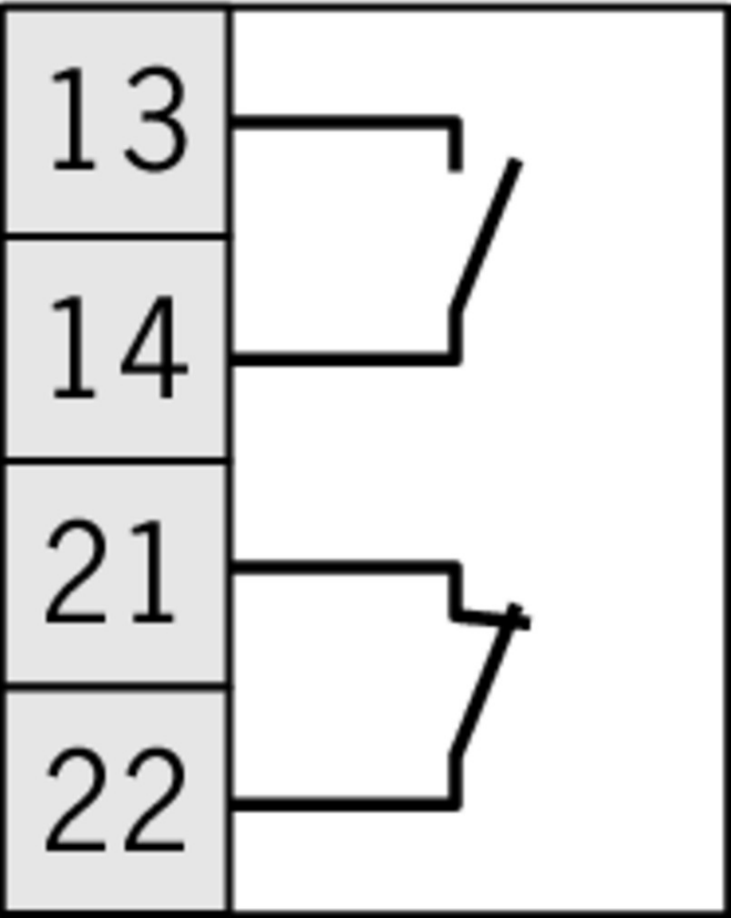
Callouts:

- 1: Hole in the top flange.
- 2: Slot in the top flange.
- 3: Chamfer on the top flange.
- 4: Hole in the top flange.
- 5: Slot in the top flange.
- 6: Hole in the top flange.

6	84	24
5	72	24
4	60	24
3	48	24
2	36	19
n ④	l_3	a

- 1 Operating point
- 2 Free position
- 3 Dog
- 4 n Number of plungers
- 5 Operating voltage for indicator LE060 12V-60V (with LED)
- 6 LED

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				

Catalogs

✓ Positionsschalter und Reihengrenztaster Position Switches and Multiple Limit Switches
Interrupteurs de position et boîtiers multipistes

	Doc. no.	Version	Language	Download
Positionsschalter und Reihengrenztaster	157835	01-03/18		 4.1 MB
Interrupteurs de position et boîtiers multipistes	157837	01-03/18		 4.1 MB
Position Switches and Multiple Limit Switches	157836	01-03/18		 4.1 MB

CAD data

CAD data for this item on TraceParts