

---

## SN02D12-502-MC1688 (ORDER NO. 082450)

Series SN... 12 mm mechanical

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



### Description

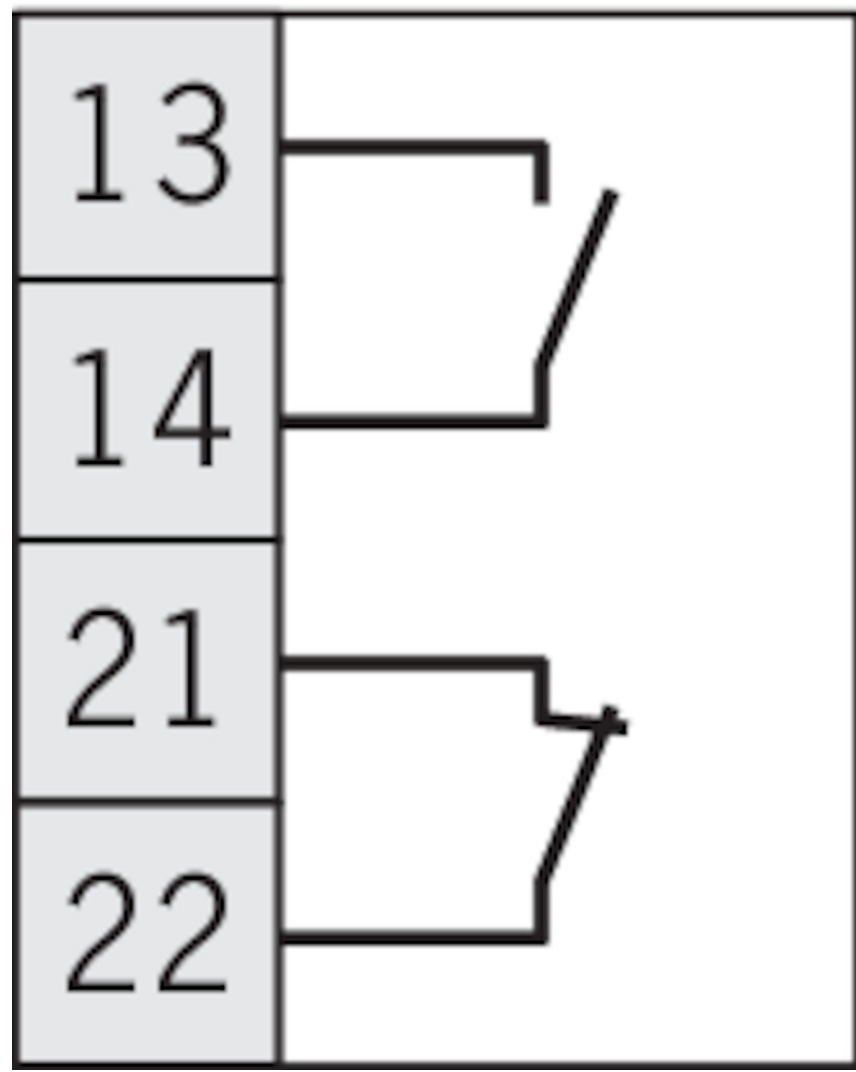
### Switching element

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

### Dimension drawing



# ES 502 E



Technical data

Approvals

**EAC**

Mechanical values and environment

Contact bounce time	< 3ms
Contact closing time	< 4ms
Design	Upright
Housing material	
	Housing Die-cast aluminum, anodized
Weight	
	Net 0,4 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
Plunger spacing	12 mm
Installation orientation	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 (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.)

## Electrical connection ratings

Thermal rated current I <sub>th</sub>	8 A
Utilization category acc. 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	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>

## Contacts

🏠 EUCHNER GmbH + Co. KG  
Kohlhammerstraße 16  
70771 Leinfelden-Echterdingen

☎ +49 711 7597-0

📠 +49 711 753316

✉ info(at)euchner.de

