

**GNBF03R12-502-M (Order no. 091028)**

## Technical data

### Electrical connection values

Fuse	max. 8 A gG	
Connection cross section	0.34 ... 1.5 mm <sup>2</sup>	
Rated insulation voltage U <sub>i</sub>	250 V	
Rated impulse voltage U <sub>imp</sub>	2.5 kV	
Utilization category		
	DC-13	6 A 24 V
	AC-12	8 A 250 V
	AC-15	6 A 230 V
Switching current		
	min. at DC 12V	min. 10 mA
thermal rated current I <sub>th</sub>	8 A	

### Mechanical values and environment

Anfahrsgeschwindigkeit	0.01 ... 80 m/min	
Connection type		
	3 x	M20 x 1.5
Number NC contacts	3	
Number of switching elements	3	
Number of NO contacts	3	
Design	upright	
Actuating element		
	Slide bearing	Roller plunger (Operating point accuracy ± 0.01. The reproducible operating point accuracy refers to the axial travel of the plunger after the switching element ES 502 E has been run-in with approx. 2,000 operating cycles.)
Actuating force	min. 20 N	
Installation orientation	any	
Storage temperature	-25 ... 80 °C	
Mechanical life	30 x 10 <sup>6</sup>	

Switching principle Snap-action switching contact  
(Contact closing time<4 ms contact bounce time<3 ms)

Degree of protection IP67

Plunger spacing 12 mm

Ambient temperature -5 ... 80 °C

Material

Contact Silver alloy, gold flashed

Housing Sand-cast aluminum, anodized