

GSBF03D12-502AM-M (Order no. 088963)

Technical data

Approvals



Electrical connection values

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

Mechanical values and environment

Anfahrgeschwindigkeit	0.01 ... 40 m/min	
Connection type		
	4 x	M25 x 1.5
Number NC contacts	3	
Number of switching elements	3	
Number of NO contacts	3	
Design	upright	
Actuating element	Chisel plunger (d roller = 5mm. Operating point accuracy ± 0.002. 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 ⁶
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	
	Housing Die-cast aluminum, anodized
	Contact Silver alloy, gold flashed

Miscellaneous

Additional feature	Exterior diaphragm = AM (The exterior diaphragm provides additional protection for the plunger guide. Plunger sticking, primarily caused by resinous lubricating coolants, can be prevented by this AM version.)
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