

RGBF02B12-502-M (Order no. 122233)

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	
	AC-15 6 A 230 V
	AC-12 8 A 250 V
	DC-13 6 A 24 V
Switching current	
	min. at DC 12V min. 10 mA
thermal rated current I_{th}	8 A

Mechanical values and environment

Anfahrsgeschwindigkeit	0.01 ... 120 m/min
Connection type	4 x M25 x 1.5
Number NC contacts	2
Number of switching elements	2
Number of NO contacts	2
Design	upright, according to DIN 43697
Actuating element	Roller plunger (Ball bearing)
Actuating force	min. 20 N
Installation orientation	any
Storage temperature	-25 ... 80 °C
Mechanical life	30 x 10 ⁶
Contact bounce time	max. 3 ms

Roller diameter	8 mm
Switching principle	Snap-action switching contact
Operating point accuracy	$\pm 0,01$ (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.)
Schließzeit	max. 4 ms
Degree of protection	IP67
Plunger spacing	12 mm
Ambient temperature	-5 ... 80 °C
Material	

Contact Silver alloy, gold flashed

Housing Die-cast aluminum, anodized