SN02R16-1514-M (Order no. 103129)

Technical data

Approvals

Electrical connection values

Fuse		max. 6 A gG
Connection cross section		0.34 … 1.5 mm² (Screw terminals)
Rated insulation voltage U_i		250 V
Rated impulse voltage U_{imp}		2.5 kV
Utilization category		
	AC-15	6 A 230 V (applies from station 2 with switching element ES502E)
	AC-12	10 A 250 V
	AC-15	2.5 A 230 V (applies to station 1 with switching element ES514)
	DC-13	6 A 24 V
Switching current		
	min. at DC 24V	min. 5 mA (applies to station 1 with switching element ES514)
	min. at DC 12V	min. 10 mA (applies from station 2 with switching element ES502E)
thermal rated current I_{th}		10 A

Mechanical values and environment

Anfahrgeschwindigkeit		0.01 … 80 m/min
Connection type		
	2 x	M20 x 1.5
Number NC contacts		1
Number of switching elements		2
Number of NO contacts		1

Number of positively driven contacts	1 (applies to station 1 with switching element ES514)
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. 30 N
Installation orientation	any
Storage temperature	-25 ... 80 °C
Mechanical life	1 x 10^6
Switching principle	
	Snap-action switching contact (Contact closing time ≤ 5 ms, contact bounce time ≤ 3 ms applicable to station 1 with switching element ES514)
	Snap-action switching contact (Contact closing time<4 ms contact bounce time<3 ms)
Degree of protection	IP67
Plunger spacing	16 mm
Ambient temperature	-5 ... 80 °C
Material	
Contact	Silver alloy, gold flashed
Housing	Die-cast aluminum, anodized

Characteristic values according to EN ISO 13849-1 and EN IEC 62061

B_{10D}	2 x 10^6 (applies to station 1 with switching element ES514)