

SN03D12-1514-M (Order no. 091117)

Technical data

Approvals



Electrical connection values

Fuse	max. 6 A gG (applies to station 1 with switching element ES514)	
	max. 8 A gG (applies from station 2 with switching element ES502E)	
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	2.5 A 230 V (applies to station 1 with switching element ES514)
	AC-15	6 A 230 V (applies from station 2 with switching element ES502E)
	AC-12	8 A 250 V
	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}	8 A
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Mechanical values and environment

Anfahrgeschwindigkeit	0.01 ... 40 m/min
Connection type	
	2 x M20 x 1.5
Number NC contacts	2

Number of switching elements	3
Number of NO contacts	3
Number of positively driven contacts	1
Design	upright
Actuating element	Chisel plunger (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. 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 < 4 ms contact bounce time < 3 ms, applies from station 2 with switching element ES502E) Snap-action switching contact (Contact closing time ≤ 5 ms, contact bounce time ≤ 3 ms, applies to station 1 with switching element ES514)
Degree of protection	IP67
Plunger spacing	12 mm
Ambient temperature	-5 ... 80 °C
Material	
	Housing Die-cast aluminum, anodized
	Contact Silver alloy, gold flashed

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

B _{10D}	2 x 10 ⁶
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Miscellaneous

Additional information	Mixed contact assembly (On upright multiple limit switches, it is necessary to start with the safety station/s from the flange side. If several safety stations are to be installed, these must be installed directly one after the other.)
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