

SN04R12-2514-M (Order no. 114720)

Technical data

Approvals



Electrical connection values

| | | |
|---------------------------------|----------------|---|
| Fuse | | |
| | | max. 8 A gG (applies from station 3 with switching element ES502E) |
| | | max. 6 A gG (applies to station 1–2 with switching element ES514) |
| 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 | 2.5 A 230 V (applies to station 1–2 with switching element ES514) |
| | AC-12 | 8 A 250 V |
| | AC-15 | 6 A 250 V (applies from station 3 with switching element ES502E) |
| Switching current | | |
| | min. at DC 24V | min. 5 mA (applies to station 1–2 with switching element ES514) |
| | min. at DC 12V | min. 10 mA (applies from station 3 with switching element ES502E) |
| thermal rated current I_{th} | | 8 A |

Mechanical values and environment

| | | |
|-----------------------|-----|-------------------|
| Anfahrgeschwindigkeit | | 0.01 ... 80 m/min |
| Connection type | | |
| | 2 x | M20 x 1.5 |
| Number NC contacts | | 2 |

| | |
|--------------------------------------|--|
| Number of switching elements | 4 |
| Number of NO contacts | 4 |
| Number of positively driven contacts | 2 |
| 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; applies to station 1-2 with switching element ES514) Snap-action switching contact (Contact closing time < 4 ms contact bounce time < 3 ms, applies from station 3 with switching element ES502E) |
| Degree of protection | IP67 |
| Plunger spacing | 12 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 |
|------------------|---------------------|

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.) |
|------------------------|--|