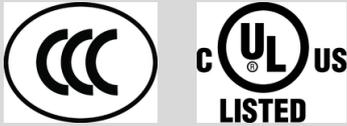


**GSBF14R12-502-M (Order no. 091129)**

## Technical data

### Approvals



### Electrical connection values

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

### Mechanical values and environment

|                              |                   |  |
|------------------------------|-------------------|--|
| Anfahrsgeschwindigkeit       | 0.01 ... 80 m/min |  |
| Connection type              |                   |  |
|                              | 4 x               | M25 x 1.5  |
| Number NC contacts           | 14                |  |
| Number of switching elements | 14                |  |
| Number of NO contacts        | 14                |  |
| Design                       | upright           |  |
| Actuating element            |                   |  |
|                              | Slide bearing     | Roller plunger<br>(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. 20 N         |  |

|                          |  |
|--------------------------|--|
| Installation orientation | any  |
| Storage temperature      | -25 ... 80 °C  |
| Mechanical life          | 30 x 10 <sup>6</sup>   |
| Switching principle      | Snap-action switching contact<br>(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 Sand-cast aluminum, anodized

Contact Silver alloy, gold flashed