

**GSBF06K08-552-M (Order no. 088436)**

## Technical data

### Approvals



### Electrical connection values

|                                 |                              |
|---------------------------------|------------------------------|
| Fuse                            | max. 6 A gG                  |
| Connection cross section        | 0.14 ... 1.0 mm <sup>2</sup> |
| Rated insulation voltage $U_i$  | 250 V                        |
| Rated impulse voltage $U_{imp}$ | 2.5 kV                       |
| Utilization category            |                              |
|                                 | AC-15 2 A 230 V              |
|                                 | DC-13 2 A 24 V               |
| Switching current               |                              |
|                                 | min. at DC 24V min. 10 mA    |
| thermal rated current $I_{th}$  | 6 A                          |

### Mechanical values and environment

|                               |                                                                                                                                                                                                                                     |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Anfahrsgeschwindigkeit        | 0.01 ... 8 m/min                                                                                                                                                                                                                    |
| Connection type               |                                                                                                                                                                                                                                     |
|                               | 3 x M20 x 1.5                                                                                                                                                                                                                       |
| Number of switching elements  | 6                                                                                                                                                                                                                                   |
| Number of changeover contacts | 6                                                                                                                                                                                                                                   |
| Tightening torque             |                                                                                                                                                                                                                                     |
|                               | Screw terminal max. 0.2 Nm Hexagon socket AF 1.3 mm                                                                                                                                                                                 |
| Design                        | upright                                                                                                                                                                                                                             |
| Actuating element             | Ball plunger<br>(Operating point accuracy $\pm 0.03$ . The reproducible operating point accuracy refers to the axial travel of the plunger after the switching element ES 552 has been run-in with approx. 2,000 operating cycles.) |
| Actuating force               | min. 15 N                                                                                                                                                                                                                           |
| Installation orientation      | any                                                                                                                                                                                                                                 |

Storage temperature -25 ... 80 °C

Mechanical life 10 x 10<sup>6</sup>

Switching principle Snap-action switching contact  
(Contact bounce time ≤ 2 ms)

Degree of protection IP67

Plunger spacing 8 mm

Ambient temperature -5 ... 80 °C

Material

Housing Sand-cast aluminum, anodized

Contact Silver alloy, electro-gold plated