

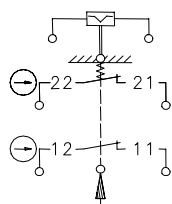
**Series Speed-Governor-Switch**

Description **SGS-A2Z**

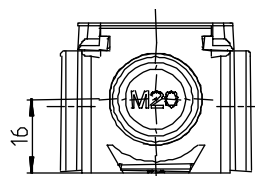
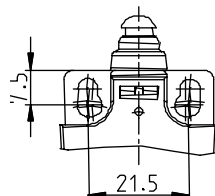
Article number **G000091716**

**Operating symbol**

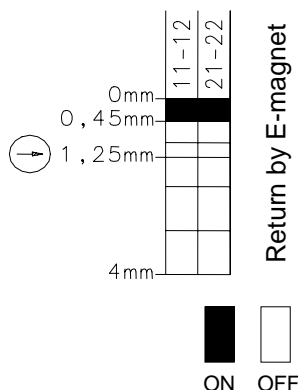
Termination electromagnet with contact position



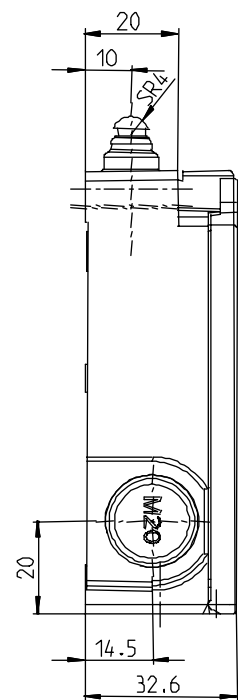
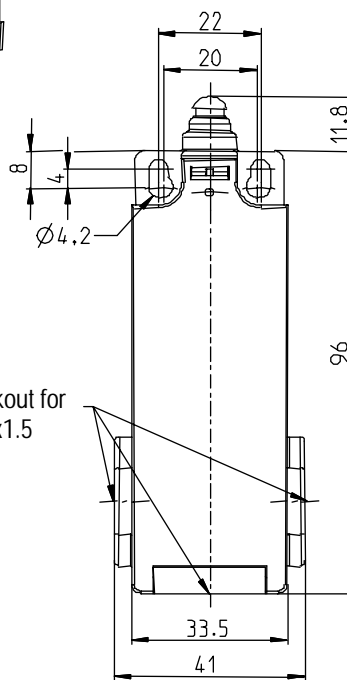
Fixed positioning for safety applications  
 Mounting screw M5 according to DIN EN ISO 4762



**Operating diagram**



breakout for M20x1.5



**Electrical data**

Protection class II, totally insulated

**Contact elements**

Rated insulation voltage  $U_i$  250V AC

Conv. thermal current  $I_{the}$  10A

Utilization category AC-15,  $U_e/I_e$  240V/3A

DC-13,  $U_e/I_e$  24V/1A

Min. Voltage 12V

Min. Current 20mA

Positive opening NC contact  $\ominus$  according to IEC/EN 60947-5-1, Annex K

Short-circuit protective device Fuse 4A gL/gG

**Electro magnets**

Temperature class B (130°C)

Rated operational voltage  $U_e$  24V DC -15% / +10% (Option 230V AC)

Rated operational current  $I_e$  2,3A

On-Time ED 3%


Min. On-Time  $T_i$  0,2s

Max. On-Time  $T_e$  0,5s

Min. Off-Time  $T_p$  17s

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| <b>Mechanical data</b>  |  |
|---|--|
| Enclosure   | Thermoplastic GV self-extinguishing  |
| Cover   | Thermoplastic GV self-extinguishing  |
| Actuator  | Plunger (thermoplastic)  |
| Velocity for actuating  | $V_{max}$ 0,5 <sup>m/s</sup>   |
| Ambient air temperature   | -25°C ... +50°C  |
| Contact type  | 2 NC (Zb)  |
| Switching principle   | Magnetic snap action, bistable   |
| Mechanical life   | 5 x 10 <sup>4</sup> operating cycles   |
| Assembly  | 2 x M4 / 2 x M5 for safety applications  |
| Connection - contact elements   | 4 screw terminals (M3.5)   |
| Conductor cross-sections  | Solid: 0.5 ... 1.5mm <sup>2</sup><br>Litz wire with ferrules: 0.5 ... 1.5mm <sup>2</sup> |
| Connection - Electro magnets  |  |
| Cable entrance  | 3x M20x1.5 breakout, left, right and upside  |
| Installation position   | Operator definable   |
| Contact opening   | 4 x >2mm   |
| Protection type   | IP67 acc. to IEC/EN 60529  |
| <b>Actuation</b>  |  |
| Actuation only in plunger direction   |  |
| <b>Standards</b>  |  |
| VDE 0660 T100, DIN EN 60947-1, IEC 60947-1<br>VDE 0660 T200, DIN EN 60947-5-1, IEC 60947-5-1<br>DIN EN 81-1 |  |
| <b>EU Conformity</b>  |  |
|                          |  |

**Notes**

The degree of protection specified (IP code) applies only to a properly closed cover and the use of an equivalent cable gland with adequate cable.



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