







## Emergency grab-wire switch ZS 80

### Features/Options:

- Metal enclosure
- 4 contacts
- Position indicator and integrated emergency-stop push button
- Wire length up to 100 m
- Spring force variant: 100 N
- Lever for release and position indication
- Watertight collar
- Wire pull and breakage detection
- Corrosion-resistant version with high degree of protection IP 67 available - see chapter [/ ZS 80 KST IP67 Niro Extreme >](#)

### Technical data

|   |  |
|---|--|
| Applied standards                         | EN 60947-5-1, EN 60947-5-5, EN ISO 13850, EN ISO 13849-1   |
| Enclosure                                 | aluminium die-cast, powder-coated  |
| Cover                                     | thermoplastic, glass-fibre reinforced, impact resistant, self-extinguishing UL 94 V-0  |
| Degree of protection                      | IP 67 to IEC/EN 60529  |
| $B_{10d}$ (10 % load)                     | 200 000  |
| $T_M$                                     | max. 20 years  |
| Contact material                          | silver   |
| Switching elements                        | 2 NC/2 NO, 3 NC/1 NO or 4 NC contacts, type Zb   |
| Switching system                          | slow action, positive break NC contacts $\ominus$  |
| Connection                                | 2 x 4 pole terminal block  |
| Cable cross-section                       | max. 2.5 mm <sup>2</sup> (incl. conductor ferrules)  |
| Cable entry                               | 3 x M20 x 1.5  |
| Rated impulse withstand voltage $U_{imp}$ | 2.5 kV   |
| Rated insulation voltage $U_i$            | 250 V  |
| Conventional thermal current $I_{the}$    | 2 A  |
| Utilisation category                      | AC-15; DC-13   |
| Rated operating current/voltage $I_g/U_e$ | 2 A/250 VAC; 0.25 A/230 VDC;<br>2 A/24 VDC   |
| Short-circuit protection                  | 2 A gG/gN fuse   |
| Ambient temperature                       | -25 °C ... +70 °C  |
| Mechanical life                           | > 100 000 operations   |
| Indicator lamp                            | as option  |
| Max. wire length                          | 100 m  |
| Approvals                                 |     |

Errors and omissions excepted.