



## 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
- Pretensioning force 100 N
- Lever for release and position indication
- Watertight collar
- Wire pull and breakage detection
- Indicator lamps for various voltages can be found in the chapter Accessories in the Appendix
- Corrosion-resistant version with high degree of protection IP 67 available - see chapter [/ ZS 80 KST IP67 Niro Extreme >](#)

### Technical data

Standards	EN 60947-5-1, -5; EN ISO 13850; EN ISO 13849-1
Enclosure	aluminium die-cast, powder-coated
Cover	glass-fibre reinforced, shock-proof thermoplastic (PA 66), self-extinguishing UL 94-V0
Degree of protection	IP 67 to IEC/EN 60529
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 ⊖
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
B <sub>10d</sub> (10 % load)	200 000
T <sub>M</sub>	max. 20 years
U <sub>imp</sub>	2.5 kV
U <sub>i</sub>	250 V
I <sub>the</sub>	2 A
Utilisation category	AC-15; DC-13
I <sub>e</sub> /U <sub>e</sub>	2 A/250 VAC; 0.25 A/230 VDC; 2 A/24 VDC
Max. fuse rating	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
Features	wire pull and breakage detection

Errors and omissions excepted.



## Emergency grab-wire switch ZS 80

### Technical data

#### Approvals



### Ordering details



Slow action  
2 NC/2 NO contacts

Type  
ZS 80 2Ö/2S WVD

Material no.  
1177916



Slow action  
3 NC/1 NO contact

Type  
ZS 80 3Ö/1S WVD

Material no.  
1178758



Slow action  
4 NC contacts

Type  
ZS 80 4Ö WVD

Material no.  
1178759

### Accessories

Cable Tensioner System TS 65 5704



Type  
Cable Tensioner System TS 65

Material no.  
1186621

Errors and omissions excepted.



## Emergency grab-wire switch ZS 80

### Accessories



Tensioner

Type  
Tensioner M6  
Tensioner M8 stainless steel

Material no.  
1033254  
1033300



Indicator lamp glow lamp

Type  
Indicator lamp glow lamp 24 VDC

Material no.  
1164937



Indicator lamp 24 V

Type  
Indicator lamp 24 VAC DC

Material no.  
1348797



Indicator lamp Multi-LED red

Type  
Indicator lamp Multi-LED RD 24 VDC  
Indicator lamp Multi-LED RD 115 VAC  
Indicator lamp Multi-LED RD 230 VAC

Material no.  
1169219  
1169221  
1178917



Indicator lamp Multi-LED white

Type  
Indicator lamp Multi-LED WH 24 VDC  
Indicator lamp Multi-LED WH 115 VAC  
Indicator lamp Multi-LED WH 230 VAC

Material no.  
1169220  
1169222  
1178916



Pull-wire







Type  
Pull-wire Ø 5 mm per metre  
Pull-wire stainless steel Ø 5 mm per metre

Material no.  
1032984  
1033297



## Emergency grab-wire switch ZS 80

### Accessories

	Pull-wire set	Type Complete pull-wire set, 5 m Complete pull-wire set, 10 m Complete pull-wire set, 15 m Complete pull-wire set, 20 m Complete pull-wire set, 25 m Complete pull-wire set, 30 m Complete pull-wire set, 40 m Complete pull-wire set, 50 m	Material no. 1041628 1041633 1041634 1041645 1041635 1041641 1041647 1041642
	Pulley 3388	Type Pulley	Material no. 1041765
	Wire clamp	Type Wire clamp 3 mm Wire clamp 3 mm stainless steel	Material no. 1033247 1033299
	Duplex wire clamp 3410	Type Duplex wire clamp	Material no. 1033248
	Egg-shaped wire clamp 3412	Type Egg-shaped wire clamp	Material no. 1181896
	Wire thimble	Type Wire thimble 3 mm Wire thimble 3 mm stainless steel	Material no. 1033245 1172707

Errors and omissions excepted.



## Emergency grab-wire switch ZS 80

### Accessories



Eye bolt

Type  
Eye bolt M8 x 70 with nut  
Eye bolt BM8 x 70 with nut, stainless steel  
Eye bolt BM10 x 40 with nut

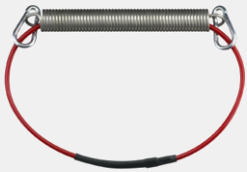
Material no.  
1170601  
1189687  
1032610



Eye bolt open

Type  
Eye bolt open M10 x 55 with 2 nuts

Material no.  
1279170



Compensation spring ZS 80  
8804

Type  
Compensation spring ZS 80

Material no.  
1187933