



Emergency pull-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
- 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

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 ² (incl. conductor ferrules)
Cable entry	3 x M20 x 1.5
Rated impulse withstand voltage U_{imp}	2.5 kV
Rated operating isolation voltage U_i	250 V
Conventional thermal current I_{the}	2 A
Utilisation category	AC-15; DC-13
Rated operating current/voltage I_e/U_e	2 A/250 VAC; 0.25 A/230 VDC; 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

Errors and omissions excepted.



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Technical data

Approvals



Ordering details



Slow action, 2 NC/2 NO
contacts

Type
ZS 80 2Ö/2S WVD

Material no.
1177916

2 NC/2 NO contacts



Slow action, 3 NC/1 NO contact
3 NC/1 NO contact

Type
ZS 80 3Ö/1S WVD

Material no.
1178758



Slow action, 4 NC contacts
4 NC contacts

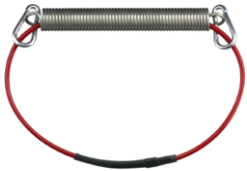
Type
ZS 80 4Ö WVD

Material no.
1178759



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Accessories



Compensation spring ZS 80
8804

Type
Compensation spring ZS 80

Material no.
1187933



Cable Tensioner System TS 65
5704

Type
Cable Tensioner System TS 65

Material no.
1186621



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 LED 24 VAC DC

Material no.
1348797



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Accessories



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

Material no.
1169220



Pull-wire

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

Material no.
1032984
1033297



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

Errors and omissions excepted.



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Accessories



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



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 120 with 2 nuts

Material no.
1279170