



Ex position switch Ex 95

Features/Options:

- Ex zone 1 and 21
- Thermoplastic enclosure
- Design to EN 50047
- Wiring compartment
- Double insulated
- Available with contact overlapping
- Actuator can be repositioned by 4 x 90°
- Rocking lever can be repositioned by 10° steps
- Gold-plated contacts available on request
- Special version with NIRO screws and NIRO 1.4571 plunger, degree of protection IP 66, salt-mist proof, available
- Special version only for dust Ex zone 22 available
- N.B.: Please state required international approvals with your order!

Technical data

Standards	EN 60947-5-1; EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-14, EN 60079-31; EN ISO 13849-1; EN ISO 14119
Switch type	type 1
Coding level	no coding
Enclosure	glass-fibre reinforced, shock-proof thermoplastic (PA 66), self-extinguishing UL 94-V0
Tightening torque	mounting screw enclosure: max. 1.2 ... 1.3 Nm, cover screws: max. 0.5 ... 0.6 Nm
Switch insert	Ex 95
Degree of protection	IP 67 or IP 66, salt-mist proof to IEC/EN 60529
Contact material	silver
Switching system	slow action, positive break NC contacts \ominus ; positive break depends on the actuator used
Switching elements	1 NC/1 NO, 2 NC or 1 NC/1 NO contact with contact overlapping, type Zb
Connection	screw connection terminals
Cable cross-section	max. 1.5 mm ² (incl. conductor ferrules)
Cable entry	1 x M20 x 1.5 for cable diameter 5 ... 9 mm
B _{10d} (10 % Load)	2 million
T _M	max. 20 years
U _{imp}	4 kV
U _i	250 V
I _{the}	6 A
I _e /U _e	6 A/250 VAC; 0.25 A/230 VDC

Errors and omissions excepted.



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Technical data

Utilisation category	AC-15; DC-13
Max. fuse rating	6 A gG/gN fuse
Ambient temperature	-20 °C ... +60 °C
Mechanical life	> 1 million operations
Operation cycles	1800/h
Repeat accuracy of switching points	± 0.1 mm
Contact opening	max. 2 x 3.5 mm
Impact energy	max. 7 J
Ex marking	⊕ II 2G Ex de IIC T5 Gb, ⊕ II 2D Ex tb IIIC T80°C Db IP67 IECEX Ex de IIC T5 Gb, Ex tb IIIC T80°C Db
Approvals	DMT 01 ATEX E 118 IECEX BVS 14.0018X



Ordering details

Plunger with collar W	Type	Material no.
	Ex 95 W 1Ö/1S	1049915
	Ex 95 W 1Ö/1S IP 66	1183056
* with safety function	Ex 95 W 2Ö	1167577
	Ex 95 W 2Ö IP 66	1187269
	Ex 95 W 1S/1Ö UE	1167404



Roller plunger R	Type	Material no.
	Ex 95 R 1Ö/1S	1159414
	Ex 95 R 2Ö	1172685
* with safety function	Ex 95 R 1S/1Ö UE	1182039



Errors and omissions excepted.



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Ordering details



Long roller plunger RL

* with safety function

Type
Ex 95 RL 1Ö/1S
Ex 95 RL 1Ö/1S IP 66
Ex 95 RL 2Ö
Ex 95 RL 1S/1Ö UE

Material no.
1158622
1183272
1160765
1190243



Roller lever with collar WH

* with safety function

Type
Ex 95 WH 1Ö/1S
Ex 95 WH 1Ö/1S IP 66
Ex 95 WH 2Ö
Ex 95 WH 1S/1Ö UE

Material no.
1163219
1183273
1172780
1160729



Metal roller lever with collar WHM

* with safety function

Type
Ex 95 WHM 1Ö/1S
Ex 95 WHM 2Ö
Ex 95 WHM 1S/1Ö UE

Material no.
1158719
1182097
on request



Long metal roller lever with collar WHLM

* with safety function

Type
Ex 95 WHLM 1Ö/1S
Ex 95 WHLM 2Ö
Ex 95 WHLM 1S/1Ö UE

Material no.
1158615
1177435
1179945



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Ordering details



Plastic roller lever with collar 4K

Type
Ex 95 4K 1Ö/1S
Ex 95 4K 2Ö
Ex 95 4K 1S/1Ö UE

Material no.
1159561
1162185
on request

* with safety function



Offset metal roller lever with collar WHKM

Type
Ex 95 WHKM 1Ö/1S
Ex 95 WHKM 1Ö/1S IP 66
Ex 95 WHKM 2Ö
Ex 95 WHKM 1S/1Ö UE

Material no.
1049994
1395172
1175444
1179067

* with safety function



Parallel roller lever with collar WPH

Type
Ex 95 WPH 1Ö/1S
Ex 95 WPH 1Ö/1S IP 66
Ex 95 WPH 2Ö
Ex 95 WPH 1S/1Ö UE

Material no.
1159406
1183274
1177772
1180957

* with safety function



Parallel metal roller lever with collar WPHM

Type
Ex 95 WPHM 1Ö/1S
Ex 95 WPHM 2Ö
Ex 95 WPHM 1S/1Ö UE


Material no.
1159407
on request
on request


* with safety function





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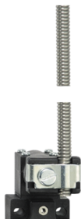
Ordering details

	Rocking lever D	Type	Material no.
		Ex 95 D 1Ö/1S	1158673
		Ex 95 D 1Ö/1S IP 66	1183275
	* with safety function	Ex 95 D 2Ö	1162149
		Ex 95 D 2Ö IP 66	1286321
		Ex 95 D 1S/1Ö UE	1160759

	Rocking lever with rubber roller D50	Type	Material no.
		Ex 95 D50 1Ö/1S	1179438
		Ex 95 D50 2Ö	1189622
	* with safety function	Ex 95 D50 1S/1Ö UE	on request

	Adjustable rocking lever DS	Type	Material no.
		Ex 95 DS 1Ö/1S	1158645
		Ex 95 DS 2Ö	1177217
		Ex 95 DS 1S/1Ö UE	1179114

	Rod lever DD	Type	Material no.
		Ex 95 DD 1Ö/1S	1159401
		Ex 95 DD 2Ö	1176112
		Ex 95 DD 1S/1Ö UE	on request

	Spring-rod lever DF	Type	Material no.
		Ex 95 DF 1Ö/1S	1160211
		Ex 95 DF 2Ö	on request
		Ex 95 DF 1S/1Ö UE	on request



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Ordering details



Spring rod with plastic tip TK

Type
Ex 95 TK 1Ö/1S
Ex 95 TK 2Ö

Material no.
1158726
1179112



Long spring rod TL

Type
Ex 95 TL 1Ö/1S
Ex 95 TL 2Ö

Material no.
1169678
on request