



Ex foot switches Ex GF

Features/Options:

- Ex zone 1 and 21
- 1-pedal type
- Metal enclosure
- Without protective shield
- Max. 2 contacts
- Low pedal height
- With pre-wired cable, cable length 3 m
- Available on request with special finish in RAL colour tones
- 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 60079-31; EN ISO 13849-1
Enclosure	aluminium die-cast, powder-coated
Cover	glass-fibre reinforced, shock-proof thermoplastic (PA 66), self-extinguishing UL 94-V0
Pedal	glass-fibre reinforced, shock-proof thermoplastic (PA 66), self-extinguishing UL 94-V0
Connection	pre-wired cable H05VV-F
Cable cross-section	3 or 4 x 0.75 mm ² (incl. conductor ferrules)
Cable length	3 m
Contact material	silver
Degree of protection	IP 65 to IEC/EN 60529
Switching system	Ex GF: slow action, positive break NC contacts ⊖ Ex GFM: snap action
Switching elements	Ex GF: 1 NC/1 NO contact, type Zb Ex GFM: change-over contact with single break C or 1 NC/1 NO contact, type Za
Switch insert	Ex GF: Ex 14 Ex GFM: type C: ExM 14, type Za: ExM 14 1Ö/1S
B _{10d} (10 % load)	Ex GF: 2 million
T _M	Ex GF: max. 20 years
Utilisation category	AC-15; DC-13
I _e /U _e	Ex GF: 6 A/250 VAC; 0.25 A/230 VDC Ex GFM: 5 A/250 VAC; 0.16 A/230 VDC Ex GFM 1Ö/1S: 5 A/250 VAC; 0.2 A/230 VDC
Max. fuse rating	Ex GF: 6 A gG/gN fuse Ex GFM: 5 A gG/gN fuse
Ambient temperature	T6: -20 °C ... +60 °C, T5: -20 °C ... +75 °C



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Mechanical life > 1 million operations

Impact energy max. 7 J

Ex marking
⊕ II 2G Ex d IIC T6/T5 Gb,
⊕ II 2D Ex tb IIIC
T80 °C/T95 °C Db IP65
IECEX Ex d IIC T6/T5 Gb,
Ex tb IIIC T80 °C/T95 °C Db IP65

Approvals
Ex GF:
PTB 11 ATEX 1002 X
IECEX PTB 11.0090X



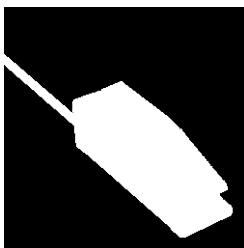
Ex GFM:
PTB 11 ATEX 1002 X



Ex GFM 1Ö/1S:
PTB 11 ATEX 1002 X
IECEX PTB 11.0090X



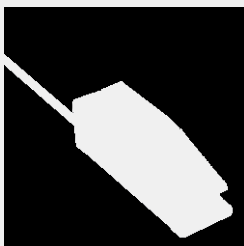
Ordering details



Slow action
1 NC/1 NO contact

Type
Ex GF 1Ö/1S - 3m

Material no.
1048461



Snap action
1 change-over contact

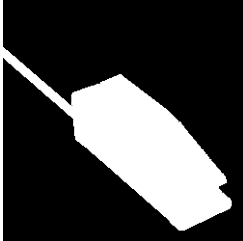
Type
Ex GFM - 3m

Material no.
1048539



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Ordering details



Snap action
1 NC/1 NO contact

Type
Ex GFM 1Ö/1S - 3m

Material no.
on request

Accessories



Pedal cover K 6924

Type
Pedal cover K

Material no.
on request