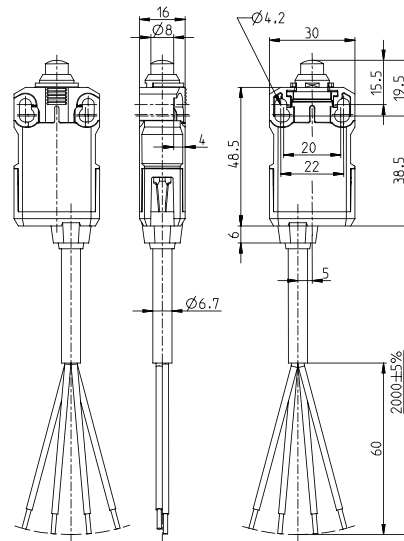


IF Series



Recommended use

Ideal for installation in confined areas where a high protection rating is required. With 6 1/2' foot molded cable, this series is rated to IP67. Suitable for position monitoring and safety applications, the slim design allows these switches to be installed in a wide range of applications.

Product advantages

- Slim line design
- With 6 1/2' (2 Meter) cable or AMP4 connector
- High quality plastic enclosure
- Metal actuator and mounting clip
- Small hysteresis in snap action system
- Actuator can be repositioned by 4 x 90°
- Compact IP67 switch for safety applications
- Two-channel safety monitoring possible
- Other cable lengths available on request

Options

- Various cable lengths available on request
- Can be preassembled with customized connectors on request

Design layout

- Slow-action and snap-action contacts
- Versions: 1 NC/1NO, 2 NC, 2 NO
- All NC contacts with \ominus in the circuit diagram are positively opening contacts
- Type: Zb (galvanically isolated changeover contact)

Mounting

- Two M4 screws for adjustment with slots
- Two M5 screws for safety applications; front mounting depending on type



Technical data

Electrical data		
Rated insulation voltage	U_i max.	240 V AC
Conventional thermal current	I_{the}	10 A
Rated operating voltage	U_e max.	240 V
Utilization category	AC-15, U_e/I_e 240 V/3 A	
Short-circuit protection	Fuse 6 A gL/gG	
Protection class	II, Insulated	
Mechanical data		
Enclosure material	PA6 (glass fibre-reinforced)	
Ambient temperature	-25 °C to +70 °C (Connection cable installed)	
Mechanical service life	3 x 10 ⁶ switching cycles	
B10d	6 Mio.	
Switching frequency	≤ 30/min.	
Type of connection	Cable 4 x 0.75 mm ²	
Protection class	IP67 conforming to EN 60529; DIN VDE 0470 T1	
Standards		
VDE 0660 T100, DIN EN 60947-1, IEC 60947-1		
VDE 0660 T200, DIN EN 60947-5-1, IEC 60947-5-1		

Drawing dimensions in mm