

# Plastic bodied limit switch

## Series IF

Description **IF-SU1Z IW AMP4**

Article number **6089152021**

**Operating symbol** 1-4  $\triangleq$  AMP - contact assignment

**Operating diagram**

Fixed positioning for safety applications  
Mounting screw M5 according to DIN 912 or DIN EN ISO 4762

**On** **Off**

Tolerance:  
Operating point  $\pm 0,25$  mm;  
Operating force  $\pm 10$  %

Electrical Data		
Rated insulation voltage	$U_i$	250 V AC
Conv. thermal current	$I_{the}$	10 A
Rated operational voltage	$U_e$	240 V
Utilization category		AC-15, $U_e/I_e$ 240 V / 3 A
Direct opening action		acc. to IEC/EN 60947-5-1, annex K
Short-circuit protective device		Fuse 6 A gG
Protection class		II, totally insulated

Mechanical data	
Enclosure	PA6 (glass fibre reinforced)
Cover	PA6 (glass fibre reinforced)
Actuator	Plunger (steel)
Ambient air temperature	-25 °C ... +70 °C (cable in fixed position)
Contact type	Snap action, 1 NO, 1 NC (Zb)
Mechanical life	3 x 10 <sup>6</sup> switching cycles
Switching frequency	≤ 30 / min.
Assembly	2 x M4 or 2 x M5
Connection	plug socket (AMP SUPERSEAL 1,5 Series)
Weight	≈ 0,05 kg
Installation position	operator definable
Protection type	IP67 acc. to IEC/EN 60529; DIN VDE 0470 T1

Actuation
The push bolt actuator is mainly intended to be actuated along its axis. Side actuation will considerably reduce switch life.

ID for safety engineering
B10d 6 x 10 <sup>6</sup> cycles

Standards
VDE 0660 T100, DIN EN 60947-1, IEC 60947-1
VDE 0660 T200, DIN EN 60947-5-1, IEC 60947-5-1
DIN EN ISO 13849-1

EU Conformity
acc. to directive 2006/42/EC

Approvals
cCSA <sub>US</sub> A300, Q300

Notes
The indicated protection class (IP-code) is only valid when the actuator is correctly mounted and a corresponding plug is used.