

Technical Data

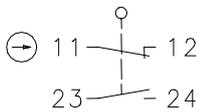
Plastic bodied limit switch

Series TI2

Description **TI2-U1Z W HVG**

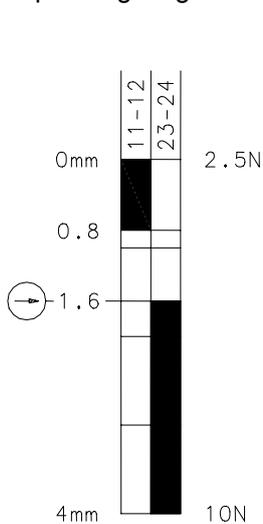
Article number **6188103043**

Operating symbol

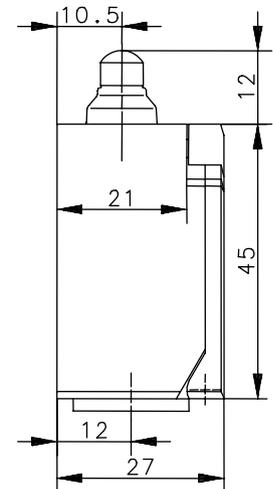
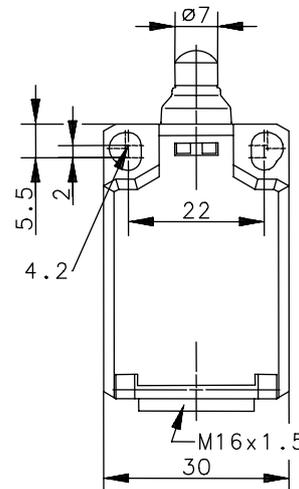
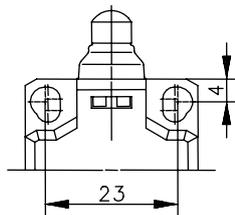


Fixed positioning for safety applications
Mounting screw according to DIN 912 M5

Operating diagram



 On
  Off
 Tolerance:
 Operating point $\pm 3.5^\circ$;
 Actuating force $\pm 10\%$



Electrical data

Rated insulation voltage	U_i	250V AC
Conv. thermal current	I_{the}	10A AC; 2.5A DC
Rated operational voltage	U_e	240V AC; 250V DC
Utilization category		AC-15, U_e/I_e 240V/3A; DC-13, U_e/I_e 250V/0.27A
Direct opening action		acc. to IEC/EN 60947-5-1, Annex K
Short-circuit protective device		Fuse 6A gL/gG
Protection class		II, totally insulated

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Technical Data

Plastic bodied limit switch

Mechanical data

Enclosure	Thermoplastic, glass fibre reinforced (UL 94-V0)
Cover	Thermoplastic, glass fibre reinforced (UL 94-V0)
Actuator	Push bolt (thermoplastic)
Ambient air temperature	-30°C ... +80°C
Contact type	1 NC, 1 NO (Zb)
Contacts	fine gold-plated (Our guideline values are valid for the gold-plated switch contacts.)
Mechanical life	3 x 10 ⁶ switching cycles
Switching frequency	≤ 100/min
Assembly	2 x M4
Connection	4 screw connections (M3.5)
Conductor cross-sections	Solid: 0.5 ... 1.5mm ² Litz wire with ferrules: 0.5 ... 1.5mm ²
Cable entrance	1 x M16x1.5
Weight	≈ 0.04kg
Installation position	Operator definable
Protection type	IP65 acc. to 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.

Standards

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

EU Conformity

CE

Approvals

cCSA_{US}A300, Q300 (same polarity)

Notes

The degree of protection (IP code) specified applies solely to a property closed cover and the use of an equivalent cable gland with adequate cable.