

FTN142...

LIMIT SWITCH WITH WOBBLE STICK

Thermoplastic limit switch
Horizontal action
Electrically independent contacts (Zb)
Enclosure IP rating: IP67
Compliance: EN 50047, IEC/EN 60947-5-1, UL 508
Marking: CE, CCC, UL, EAC, UKCA

F T N

Series
FTN thermoplastic
limit switch

1

Type
1 standard

4 2

Head and actuator
42 wobble stick

Contact type

W02	2NC	slow action	Zb
Z11	1NO/1NC	snap action	Zb
Z02	2NC	snap action	Zb
W03	3NC	slow action	Zb

Lead exit dimension or type

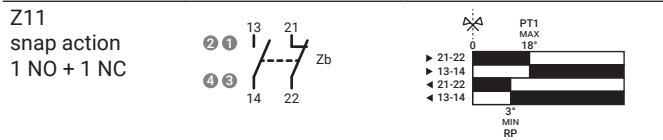
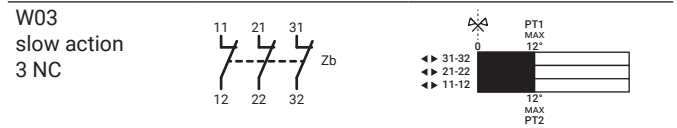
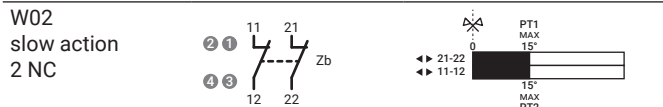
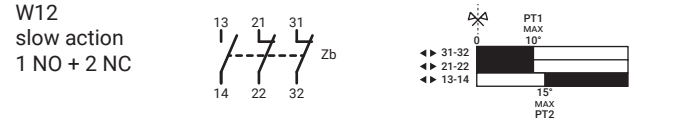
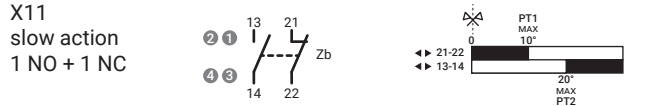
blank	M16 (standard)
M	M20
N	1/2NPT
G1	PG11
G3	PG13.5
C	4 poles male code "A" M12×1 connector

Minimum current		5 mA - 5 V DC
Thermal current	lth	10 A
Rated insulation voltage	Ui	500 V
Rated impulse withstand voltage	Uimp	6 kV
Insulation resistance	min	100 MΩ (DC 500 V)
Contact resistance	max	25 mΩ (initial)
Enclosure material		glass filled PBT (UL approved)
Enclosure degree of protection		IP65
Operating temperature		-25 ... +80°C (-13 ... +176°F)
Pollution degree		3
Protection against electric shock		class II (double insulation)
Mechanical life expectancy	min	1×10 ⁷ cycles
Electrical life expectancy	min	150000 cycles
Vibration	IEC 68-2-6	10-55 ±1 Hz
	excursion	0.35 mm, 1 octave/min
Fixing		2 × M4 screws

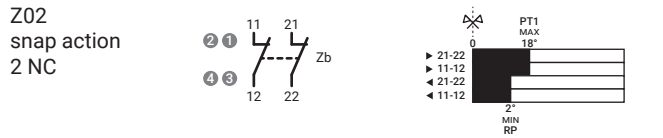
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Contact types	Categories *	Ratings **	PT1	PT2 / RP	OF
X11 1NO 1NC	A600 - Q600	AC15: 400 V - 4 A	10°	20°	3.5 N
W02 2NC			15°	-	6.5 N
Z11 1NO 1NC	B600 - Q600	DC13: 24 V - 6 A	18°	3°	5.8 N
Z02 2NC			18°	2°	5.8 N
W12 1NO 2NC	A300 - Q300		10°	15°	2.2 N
W03 3NC			12°	-	6.5 N

* UL 508 / CSA C22-2 n° 14 ** IEC/EN 60947-1



- PT1 Operating travel
- PT2 Second operating travel (slow action)
- RP Release position (snap action)
- OF Operating force



M12 Connector pin arrangement - on request

(1) Mounting holes

Dimensions in mm / illustrations NOT in scale

