

FTN135...

LIMIT SWITCH WITH SPRING LEVER WITH TIP IN PA

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

3 5

Head and actuator
35 spring lever
with tip in PA

Contact type
X11 1NO/1NC slow action Zb
W02 2NC slow action Zb
Z11 1NO/1NC snap action Zb
Z02 2NC snap action Zb
W12 1NO/2NC slow action Zb
W03 3NC slow action Zb

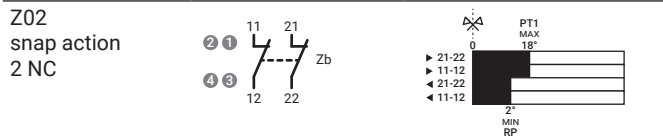
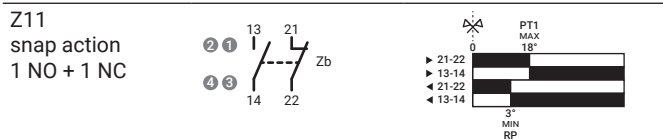
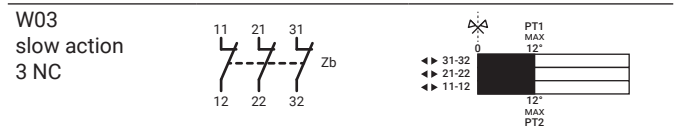
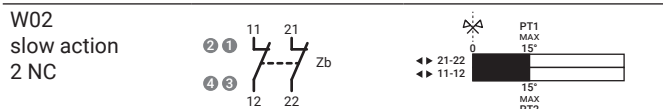
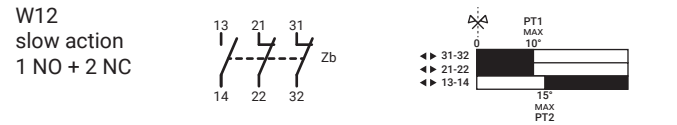
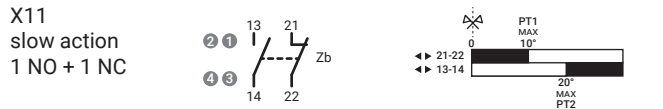
Lead exit dimension or type
blank M16 (standard)
M M20
N 1/2NPT
G1 PG11
G3 PG13.5
C 4 poles male code
"A" M12x1 connector

| | | |
|-----------------------------------|------------|--------------------------------|
| 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

