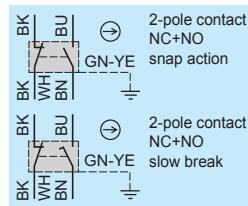
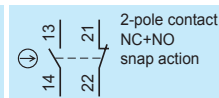


XCMD



XCKT



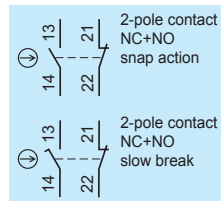
⊕ Positive opening operation.



Miniature XCMD metal, precabled; mounting by the body or by the head

| Type of operator | Metal end plunger | Steel roller plunger | Thermoplastic roller lever | Steel roller lever | Variable length thermoplastic roller lever | M12 head metal end plunger |
|--|---|----------------------|----------------------------|--------------------|--|----------------------------|
| Mechanical durability (millions of operating cycles) (5) | 10 | 10 | 10 | 10 | 10 | 10 |
| Actuation speed (m/s) | 0.5 | 0.5 | 1.5 | 1.5 | 1.5 | 0.5 |
| Switches conforming to standard IEC 947-5-1 section 3 | ⊕ | ⊕ | ⊕ | ⊕ | ⊕ | ⊕ |
| Product certification | CE, UL, CSA, CCC | | | | | |
| Degree of protection conforming to IEC 60529 | IP66 and IP67 | | | | | |
| Rated operational characteristics (conforming to EN IEC 60947-5-1) | AC-15; B300 (Ue = 240 V, Ie = 1.5 A) / DC-13; R300 (Ue = 250 V, Ie = 0.1 A) | | | | | |
| Mounting centers: mm (in.) | 20 (0.79) | | | | | M12 x 1 |
| Body dimensions, W x D x H: mm (in.) | 30 x 16 x 50 (1.18 x 0.63 x 1.97) | | | | | |
| Connection Cable | Precabled, adjustable direction, 1 m (other lengths available on request) | | | | | |
| Complete switch 2-pole NC+NO snap action | XCMD2110L1 | XCMD2102L1 | XCMD2115L1 | XCMD2116L1 | XCMD2145L1 | XCMD21F0L1 |
| 2-pole NC+NO break before make, slow break | XCMD2510L1 | XCMD2502L1 | XCMD2515L1 | XCMD2516L1 | XCMD2545L1 | XCMD25F0L1 |
| Connector | M12 | | | | | |
| Complete switch NC+NO snap action (M12-5 pins) | XCMD2110C12 | XCMD2102C12 | XCMD2115C12 | XCMD2116C12 | XCMD2145C12 | XCMD21F0C12 |
| 1C/O snap action (M12-4 pins) (1) | XCMD2110M12 | XCMD2102M12 | XCMD2115M12 | XCMD2116M12 | XCMD2145M12 | XCMD21F0M12 |

XCKP/XCKD



⊕ Positive opening operation.



Compact XCKD metal and XCKP plastic conforming to standard EN 50047

| Type of operator | Metal end plunger | Steel roller plunger | Thermoplastic roller lever plunger, horizontal actuation in 1 direction | M18 head metal end plunger | M18 head steel roller plunger |
|--|--|----------------------|---|----------------------------|-------------------------------|
| Mechanical durability (millions of operating cycles) (5) | 15 | 10 | 15 | 10 | 10 |
| Actuation speed (m/s) | 0.5 | 0.5 | 1 | 0.5 | 0.5 |
| Switches conforming to standard IEC 947-5-1 section 3 | ⊕ | ⊕ | ⊕ | ⊕ | ⊕ |
| Product certification | CE, CSA, CCC, GOST | | | | |
| Degree of protection conforming to IEC 60529 | IP66 and IP67 | | | | |
| Rated operational characteristics (conforming to EN IEC 60947-5-1) | AC-15; A300 (Ue = 240 V, Ie = 3 A) / DC-13; Q300 (Ue = 250 V, Ie = 0.27 A) | | | | |
| Cable entry | 1 tapped entry for 1/2"-14 NPT conduit (3) or M12 connector | | | | |
| Mounting centers: mm (in.) | 20 (0.79) | 20 (0.79) | 20 (0.79) | M18 x 1 | M18 x 1 |
| Body dimensions, W x D x H: mm (in.) | 31 x 30 x 65 (1.22 x 1.18 x 2.56) | | | | |
| Metal switches | | | | | |
| Complete switch 2-pole NC+NO snap action | XCKD2110N12 | XCKD2102N12 | XCKD2121N12 | XCKD21H0N12 | XCKD21H2N12 |
| 2-pole NC+NO break before make, slow break | XCKD2510N12 | XCKD2502N12 | XCKD2521N12 | XCKD25H0N12 | XCKD25H2N12 |
| 2-pole NC+NO snap action (M12-5 pins) | XCKD2110M12 | XCKD2102M12 | XCKD2121M12 | XCKD21H0M12 | XCKD21H2M12 |
| Plastic, double insulated switches | | | | | |
| Complete switch 2-pole NC+NO snap action | XCKP2110N12 | XCKP2102N12 | XCKP2121N12 | XCKP21H0N12 | XCKP21H2N12 |
| 2-pole NC+NO break before make, slow break | XCKP2510N12 | XCKP2502N12 | XCKP2521N12 | XCKP25H0N12 | XCKP25H2N12 |
| 2-pole NC+NO snap action (M12-4 pins) | XCKP2110M12 | XCKP2102M12 | XCKP2121M12 | XCKP21H0M12 | XCKP21H2M12 |

(1) Although their design is identical to the precabled switches, the switches incorporating an M12 4-pin connector cannot be marked with the ⊕ symbol because they are single-pole C/O.

(2) For ISO M16 x 1.5 cable entries, replace **N12** with **P16**. Example: XCKT2110N12 becomes XCKT2110P16.

(3) For Pg 11 cable entries, replace **N12** with **G11**. Example: XCKD2110N12 becomes XCKD2110G11. For other cable entries, see "Customized assembly" on page 8.

(4) For Pg 13.5 cable entries, replace **N12** with **G13**. Example: XCKD2110N12 becomes XCKD2110G13. For other cable entries, see "Customized assembly" on page 9.

(5) Depending on the application.