

## XP

|                 |                                                                                                                                                                                                                    |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Characteristics | <ul style="list-style-type: none"> <li>■ forced double break switching</li> <li>■ positive-action force break option</li> <li>■ &gt; 3 mm contact gap at full travel option</li> <li>■ faston terminals</li> </ul> |
| Rating          | 400 VAC, 16 A                                                                                                                                                                                                      |
| Dimensions (mm) | 30 × 32 × 12                                                                                                                                                                                                       |
| Actuator        | <ul style="list-style-type: none"> <li>■ plain plunger</li> <li>■ mushroom plunger</li> <li>■ plunger with external spring (for increased reset security)</li> </ul>                                               |
| Approvals       | ENEC, UL, CSA                                                                                                                                                                                                      |



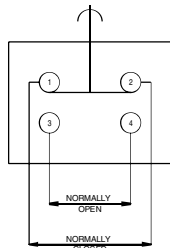
## Preferred Range

| Ordering Reference | Actuating Force (N) | Actuating Force (ozf) | Operating pos. (mm) | Operating pos. (in) | Terminal | Circuit | Actuator                | Contacts  | Electrical rating   |
|--------------------|---------------------|-----------------------|---------------------|---------------------|----------|---------|-------------------------|-----------|---------------------|
| XP2Z11             | 3.0                 | 10.0                  | 14.9                | 0.587               | Faston   | C0      | Straight plunger        | Ag nickel | Up to 400 VAC, 16 A |
| XP4Z11             | 1.8                 | 6.2                   | 14.9                | 0.587               | Faston   | NC      | Straight plunger        | Ag nickel | Up to 400 VAC, 16 A |
| XP5Z11             | 3.0                 | 10.0                  | 13.0                | 0.511               | Faston   | NO      | Straight plunger        | Ag nickel | Up to 400 VAC, 16 A |
| XP52E1Z11          | 6.5                 | 23.3                  | 13.0                | 0.511               | Faston   | NO      | Mushroom plunger, reset | Ag nickel | Up to 400 VAC, 16 A |
| XP2E2Z11           | 3.0                 | 10.0                  | 14.9                | 0.587               | Faston   | C0      | Mushroom plunger, reset | Ag nickel | Up to 400 VAC, 16 A |

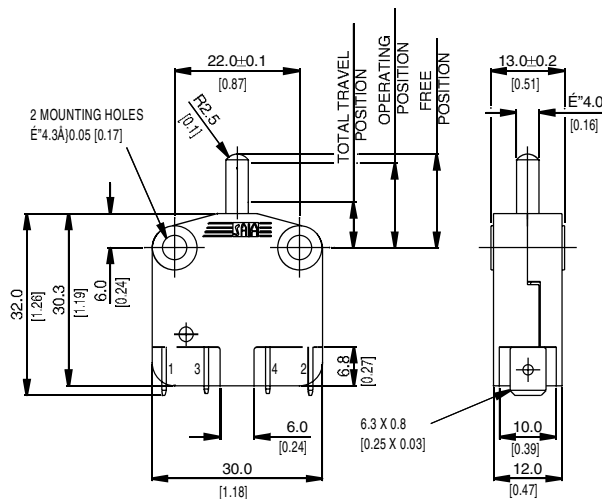
## Specifications

|                      |                                                        |
|----------------------|--------------------------------------------------------|
| Housing              | Glass fibre reinforced nylon                           |
| Plunger              | Glass fibre reinforced nylon                           |
| Mechanism            | Change-over, normally open, normally closed            |
| Contacts             | Silver                                                 |
| Terminals            | 6.3 mm (0.25 in) faston brass                          |
| Temperature range °C | -20°C to +140°C                                        |
| Mechanical life      | 10 <sup>7</sup> cycles minimum (impact free actuation) |
| Protection           | IP40 (enclosure)                                       |
| Mounting             | Screw mounting                                         |
| Actuators            | Straight or mushroom plunger                           |
| Special features     | Optional reset spring for increased reset security     |

Circuit diagram



Dimensions



## Recommended maximum electrical ratings

| Voltage (max) | Resistive load (A) | Inductive load | Horsepower     | Approval                                   |
|---------------|--------------------|----------------|----------------|--------------------------------------------|
| 250 VAC       | 16 (0.75 pf)       | -              | -              | UL 1054/CSA 22.2 No. 55 - 6,000 operations |
| 125 VAC       | -                  | -              | ¼ HP (0.45 pf) | UL 1054 - Horsepower- 6,000 operations     |
| 250 VAC       | -                  | -              | ¼ HP (0.45 pf) | UL 1054 - Horsepower- 6,000 operations     |
| 250 VAC       | 16                 | 6              | -              | EN.60158-1 T85 (°C) 50,000 operations      |
| 400 VAC       | 16                 | 4              | -              | EN.60158-1 T140 (°C) 10,000 operations     |
| 0-15 VDC      | 10                 | -              | -              | General rating - 50,000 operations         |
| 15-30 VDC     | 7                  | -              | -              | General rating - 50,000 operations         |

|     |                                                     |             |   |   |    |     |
|-----|-----------------------------------------------------|-------------|---|---|----|-----|
| XP  | Momentary                                           | Example: XP | 2 | 2 | E1 | Z11 |
| XPS | Positive action forced break (normally closed only) |             |   |   |    |     |
| 2   | Change-over                                         |             |   |   |    |     |
| 4   | Normally closed                                     |             |   |   |    |     |
| 5   | Normally open                                       |             |   |   |    |     |
| 2   | Faston 6.3 × 0.8                                    |             |   |   |    |     |
|     | No symbol, straight plunger                         |             |   |   |    |     |
| E1  | Mushroom plunger with reset spring                  |             |   |   |    |     |
| E2  | Mushroom plunger                                    |             |   |   |    |     |
| Z11 | UL, cUL, CSA and ENEC                               |             |   |   |    |     |