

## XT

Characteristics ■ 8 mm contact gap 8 mm creepage and clearance distances  
■ forced double break contacts

Rating 400 VAC, 16,5 A max.

Dimensions (mm) 30 × 32 × 12

Actuator ■ shrouded plunger  
■ optional key  
■ plain plunger

Approvals UL, cUL, CSA, ENEC



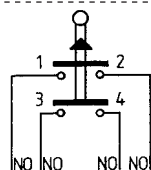
## Preferred Range

| Ordering Reference | Actuating Force (N) | Actuating Force (ozf) | Operating pos. (mm) | Operating pos. (in) | Terminal | Circuit | Actuator | Contacts  | Electrical rating     |
|--------------------|---------------------|-----------------------|---------------------|---------------------|----------|---------|----------|-----------|-----------------------|
| XTD22AZ1           | 3,8                 | 13,6                  | 13,0                | 0,511               | Faston   | NO      | Plunger  | Ag nickel | Up to 400 VAC, 16.5 A |

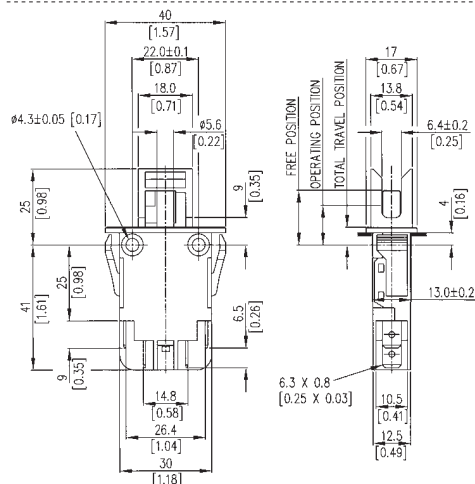
## Specifications

|                      |                                                                                        |
|----------------------|----------------------------------------------------------------------------------------|
| Housing              | Glass fibre reinforced polyester                                                       |
| Plunger              | Glass fibre reinforced polyester                                                       |
| Mechanism            | Normally open                                                                          |
| Contacts             | Silver nickel                                                                          |
| Terminals            | 6.3 mm (0.25 in) faston - brass                                                        |
| Temperature range °C | -20°C to +85°C                                                                         |
| Mechanical life      | 10 <sup>6</sup> cycles minimum (impact free actuation)                                 |
| Protection           | IP40 (enclosure)                                                                       |
| Mounting             | Snap-on or screw mounting                                                              |
| Actuator             | Plunger (can be held depressed for maintenance with optional key shrouded option only) |
| Accessories          | <b>Maintenance key N41784</b> and multiplug housing XTMHSG                             |

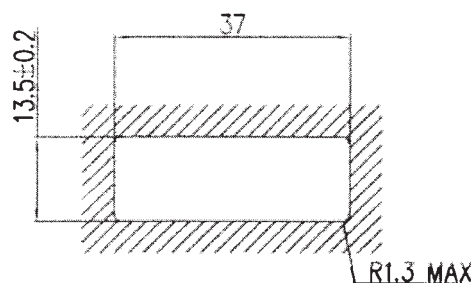
Circuit diagram



Dimensions



SNAP MOUNTING DETAILS



PANEL THICKNESS 1.0 – 2.5

## Recommended maximum electrical ratings

| Voltage (max) | Load (A)       | Inductive load | Horsepower      | Approval                                     |
|---------------|----------------|----------------|-----------------|----------------------------------------------|
| 125 VAC       | 15.5 (0.75 pf) | -              | -               | UL 1054/CSA 22.2 No. 55 - 100,000 operations |
| 250 VAC       | 15.5 (0.75 pf) | -              | -               | UL 1054/CSA 22.2 No. 55 - 100,000 operations |
| 125 VAC       | -              | -              | ½ HP (0.45 pf)  | UL 1054 - Horsepower- 100,000 operations     |
| 250 VAC       | -              | -              | ½ HP (0.45 pf)  | UL 1054 - Horsepower- 100,000 operations     |
| 125 VAC       | -              | -              | 1½ HP (0.45 pf) | UL 1054 - Horsepower- 100,000 operations     |
| 250 VAC       | -              | -              | 1½ HP (0.45 pf) | UL 1054 - Horsepower- 100,000 operations     |
| 30 VAC        | 0,5            | -              | -               | EN.60158-1 T85 (°C) 50,0000 operations       |
| 400 VAC       | 16,5           | 8              | -               | EN.60158-1 T85 (°C) 50,0000 operations       |
| 30 VDC        | 0,5            | -              | -               | UL 1054/CSA 22.2 No. 55 - 6,000 operations   |

## Operating Characteristics

| Actuator | Reference | Actuating Force Maximum (N) | Actuating Force Maximum (ozf) | Release Force Minimum (N) | Release Force Minimum (ozf) | Free Position Maximum (mm) | Free Position Maximum (in) | Operating Position (mm)       | Operating Position (in) | Total Travel Position Maximum (mm) | Total Travel Position Maximum (in) | Over travel |
|----------|-----------|-----------------------------|-------------------------------|---------------------------|-----------------------------|----------------------------|----------------------------|-------------------------------|-------------------------|------------------------------------|------------------------------------|-------------|
| Plunger  | XTD22AZ1  | 3,8<br>(± 0.5)              | 13,600<br>(± 3.5)             | 5,8                       | 20,8                        | 18,0                       | 0,708                      | 13,0 ± 0.4<br>(main contact)  | 0,511 ± 0.016           | 10,0                               | 0,394                              | 3,0 0,118   |
|          |           |                             |                               |                           |                             |                            |                            | 12,6<br>(low voltage contact) | 0,496                   |                                    |                                    |             |

## Ordering Reference

|            |                  |                                                                                                                                     |    |   |    |
|------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------|----|---|----|
| Basic type | XTD              | Example: XTD                                                                                                                        | 22 | J | Z1 |
| Terminals  | 22<br>A          | 6.3 × 0.8 mm faston terminals<br>100 k operations at 15:5 A 250 VAC, UL114 478                                                      |    |   |    |
| Form       | -<br>J<br>P<br>K | Without identification: snap-on mounting with shroud<br>Snap-on mounting without shroud<br>Without shroud, without snap-on mounting |    |   |    |
| Approvals  | Z1               | UL, cUL, CSA and ENEC                                                                                                               |    |   |    |