

## 700

Panel cut-out (mm)  $\varnothing 22 \times 20$ 

Characteristics

- single or double pole
- choice of directional gating options
- miniature or subminiature microswitch types

Rating

up to 15 A, 250 VAC, miniature microswitches (380 series)  
up to 6 A, 250 VAC, subminiature microswitches (290 series)

Dimensions (mm)

55 × 55 × 55.2, miniature microswitches (380 series)  
41.3 × 41.3 × 51.2, subminiature microswitches (290 series)

Actuator

- knob

Approvals

ENEC, UL and CSA (switch only)



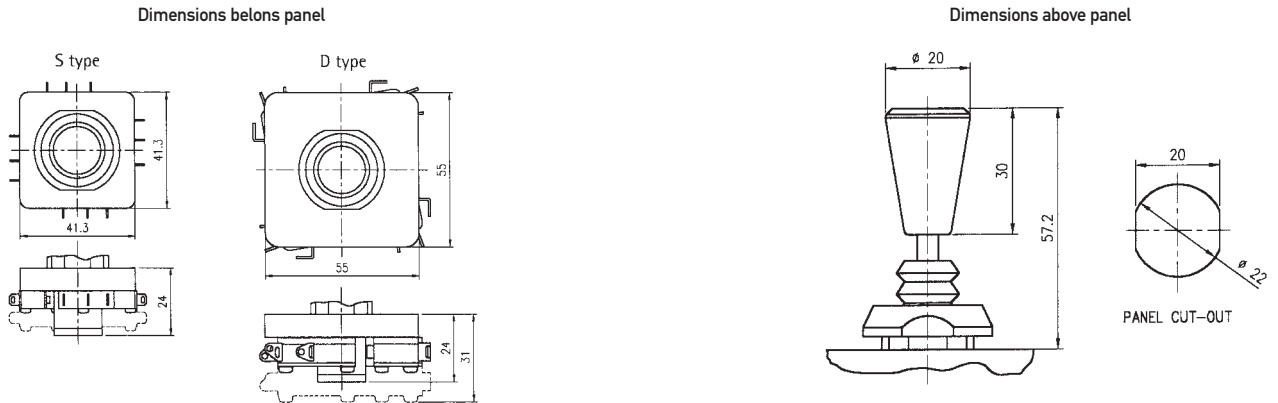
## Popular products

| Ordering Reference | Panel cut-out              | Dimensions         | Directional gating | Number of poles | Switch type | Terminal Type | Electrical rating<br>ENEC    | UL/CSA                 |
|--------------------|----------------------------|--------------------|--------------------|-----------------|-------------|---------------|------------------------------|------------------------|
| S 721001           | $\varnothing 22 \times 20$ | 41.3 × 41.3 × 81.2 | 2 way gate at 180° | 1 pole          | 292/20/150  | Solder        | 6 A, 250 VAC, 25E3, T85      | 6 A, 250 VAC           |
| S 741001           | $\varnothing 22 \times 20$ | 41.3 × 41.3 × 81.2 | 4 way gate at 90°  | 1 pole          | 292/20/150  | Solder        | 6 A, 250 VAC, 25E3, T85      | 6 A, 250 VAC           |
| S 722001           | $\varnothing 22 \times 20$ | 41.3 × 41.3 × 81.2 | 2 way gate at 180° | 2 pole          | 292/20/150  | Solder        | 6 A, 250 VAC, 25E3, T85      | 6 A, 250 VAC           |
| S 742001           | $\varnothing 22 \times 20$ | 41.3 × 41.3 × 81.2 | 4 way gate at 90°  | 2 pole          | 292/20/150  | Solder        | 6 A, 250 VAC, 25E3, T85      | 6 A, 250 VAC           |
| D 721001           | $\varnothing 22 \times 20$ | 55 × 55 × 88.2     | 2 way gate at 180° | 1 pole          | 382/25/10   | Solder        | 15 (4) A, 250 VAC, 10E3, T85 | 15 A, ½HP, 125/250 VAC |
| D 741001           | $\varnothing 22 \times 20$ | 55 × 55 × 88.2     | 4 way gate at 90°  | 1 pole          | 382/25/10   | Solder        | 15 (4) A, 250 VAC, 10E3, T85 | 15 A, ½HP, 125/250 VAC |
| D 722001           | $\varnothing 22 \times 20$ | 55 × 55 × 88.2     | 2 way gate at 180° | 2 pole          | 382/25/10   | Solder        | 15 (4) A, 250 VAC, 10E3, T85 | 15 A, ½HP, 125/250 VAC |
| D 742001           | $\varnothing 22 \times 20$ | 55 × 55 × 88.2     | 4 way gate at 90°  | 2 pole          | 382/25/10   | Solder        | 15 (4) A, 250 VAC, 10E3, T85 | 15 A, ½HP, 125/250 VAC |

## Specifications

|                     |  |
|---------------------|--|
| Switch              | 380 series miniature snap-action microswitches (D type below)<br>or 290 series subminiature snap-action microswitches (S type below) |
| Body and fixing nut | Nylon 6.6  |
| Spindle             | Nylon 6.6 reinforced with stainless steel  |
| Sealing cowl        | Neoprene   |
| Knob                | Phenolic   |
| Spring              | Spring steel   |

## Dimensions



## Recommended maximum electrical ratings

|                       |  |
|-----------------------|--|
| Approvals held        | None   |
| Electrical rating     | D – 15 A, 250 VAC<br>S – 6 A, 250 VAC  |
| Switch Type           | D – 382/25/10 (solder) or 383/25/10 (faston) with gold flashed contacts<br>S – 292/20/150 (solder) or 291/20/150 (faston) with gold flashed contacts |
| Temperature rating    | T85 °C   |
| Insulation resistance | >1250 V  |
| Tracking resistance   | PTI KB 250   |

## Ordering Reference

|                    |   |            |   |   |   |   |   |   |
|--------------------|---|------------|---|---|---|---|---|---|
| Switch             | S 290 Series subminiature microswitches<br>D 380 Series miniature microswitches   | Example: S | 7 | 1 | 1 | 0 | 0 | 1 |
| Type               | 7 700 range   |            |   |   |   |   |   |   |
| Directional gating | 1 Ungated (stirring action)<br>2 2 way gate<br>4 4 way gate   |            |   |   |   |   |   |   |
| Number of poles    | 1 Single pole<br>2 Double pole  |            |   |   |   |   |   |   |
| Spring return      | 0 Standard (momentary)  |            |   |   |   |   |   |   |
| Terminal Type      | S Type (290)                      D Type (380)<br>0 292 (solder)                      382 (solder)<br>1 291 (2.8 × 0.5 faston)            383 (6.35 × 0.8 faston)<br>2 294 – PCB – LH faston            385 (4.8 × 0.5 mm faston) |            |   |   |   |   |   |   |
| Cowl fitted        | 1 Standard  |            |   |   |   |   |   |   |



|                          |   |
|--------------------------|---|
| <b>Type</b>              | ■ Switches  |
| <b>Product type</b>      | ■ th-contact Joystick with Micro switch   |
| <b>Dimensions</b>        | ■ 55 x 55 x 57.2 mm miniature microswitches<br>■ 41.3 x 41.3 x 57.2 mm subminiature microswitches   |
| <b>Characteristics</b>   | ■ panel cut-out Ø 22 x 20 mm<br>■ single/double pole<br>■ choice of directional gating options<br>■ miniature or subminiature microswitch types |
| <b>Rating</b>            | ■ up to 250 VAC, 15 A miniature microswitches<br>■ up to 250 VAC, 6 A subminiature microswitches  |
| <b>Actuators</b>         | ■ knob  |
| <b>Approvals/Quality</b> | ■ ENEC<br>■ UL<br>■ CSA<br>■ (switch only)  |

## Typical markets

business machines , industrial equipment & automation , transportation , distribution

## Typical applications

computer peripherals , industrial automations , specialist vehicles , international catalog distributors , regional distributors , sales partners , value added distribution partners , market specific distributors

## Preferred range

| Partnumber | Terminal | Actuator | Electrical rating recommended @ |
|------------|----------|----------|---------------------------------|
| S721001    | solder   | -        | --                              |
| S741001    | solder   | -        | --                              |
| S722001    | solder   | -        | --                              |
| S742001    | solder   | -        | --                              |

|         |        |   |    |
|---------|--------|---|----|
| D721001 | solder | - | -- |
| D741001 | solder | - | -- |
| D722001 | solder | - | -- |
| D742001 | solder | - | -- |