knitter-switch

# Product-Change Notification

Products affected: MFS 201 N-SW

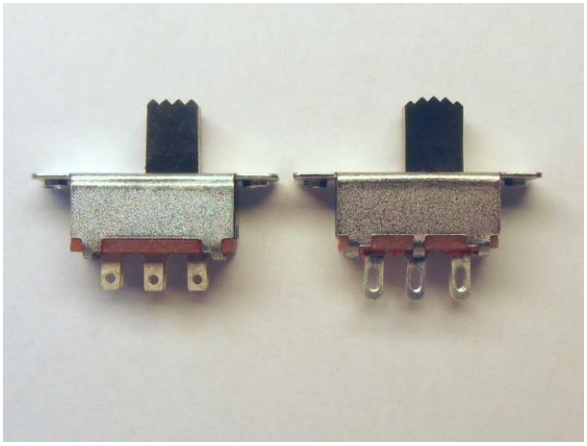
Effective date: after current stock is sold out

Details:

Due to worn-out moulds and factory relocation the product was revised.

General technical data, such as rating and number of cycles, remain.

The appearance of slider and terminals is slightly different in the new version.



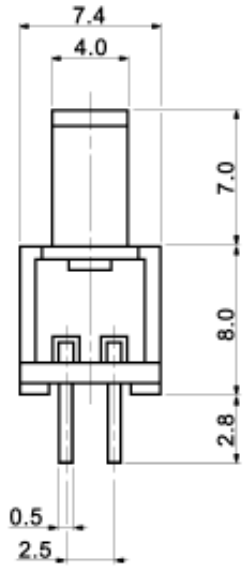
Old (drawing 30 18 96) New (drawing 30 40 44)

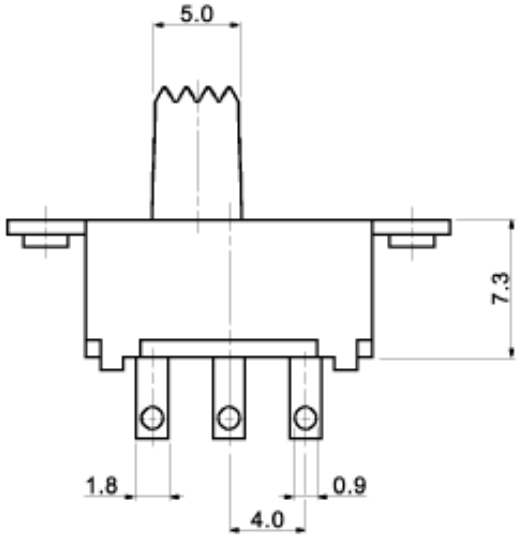
See attached data-sheets for details.

Knitter-switch, April 2018

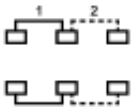
Oliver Kluj
Technical Director

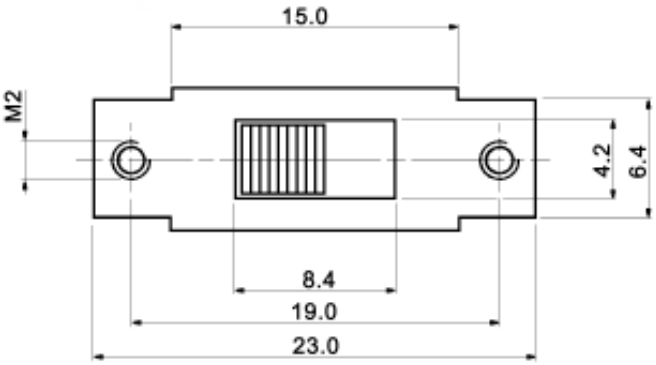
# knitter-switch




SCHEMATIC




Specifications:

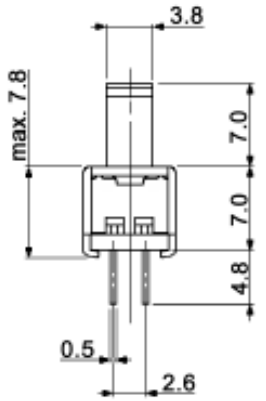
| | |
|---|---|
| Contact rating: | 350mA, 30V DC |
| Contact resistance: | 20mOhm max. |
| Insulation resistance: | 100MOhm min. at 500V DC |
| Dielectric strength: | 500V, 50Hz for the duration of 1 minute |
| Operating temperature: | -20°C to +85°C |
| Mechanical life: | min. 10 000 cycles |
| Soldering conditions: | hand-soldering: max.: 270°C, 5sec. |
| Switching function: | on - on |
| Timing: | non-shorting |
| Material: | Terminals / contacts: brass, min. 1µm Ag over min. 1µm Ni<br>Spring: Spring wire<br>Base: Phenolic resin<br>Frame: SPCC<br>Slider: ABS |

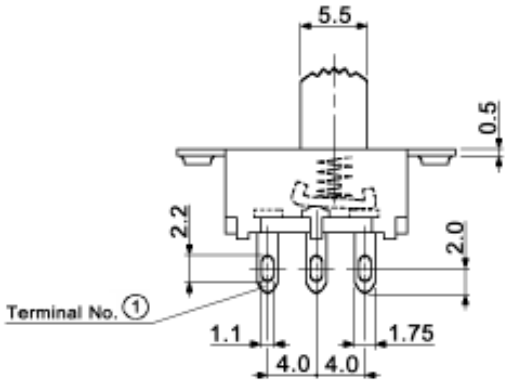
| x | Button color |
|---|---|
| SW | black |
| RT | ~~red~~ OBSOLETE |

Compliance: RohS II (2011/65/EU)

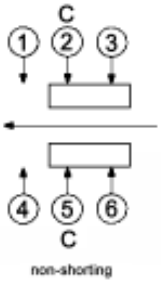
| Tolerances: | | | Date | Name | MFS 201 N x | |
|---|---|---|---|---|---|---|
| | | | 08/09 | dr | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| Material | 10/17 | dr | knitter-switch | | 30 18 96 | Page |
| Red - obsolete | 07/16 | dr | | | | 1/1 |
| Modifications | Date | Name | | | | |

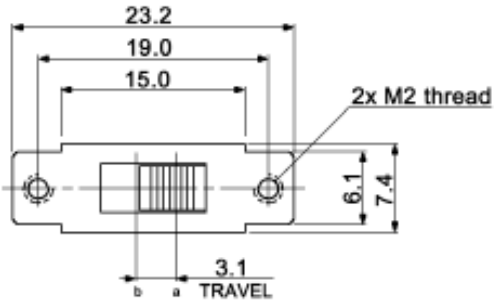
# knitter-switch



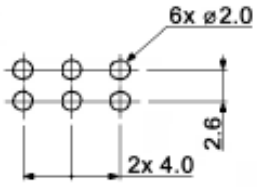




CIRCUIT DIAGRAM
C: COMMON PIN
BOTTOM VIEW




HOLE LAYOUT ⊕ 0.05




Specifications:

| | |
|---|---|
| Contact rating: | 0.35A, 30V DC |
| Contact resistance: | 20mOhm max. |
| Insulation resistance: | 100MOhm min. at 500V DC for 1 minute |
| Dielectric strength: | 500V AC (50/60Hz, 2mA) for 1 minute |
| Operating temperature: | -40°C to +85°C |
| Mechanical life: | 10 000 cycles |
| Operating force: | 250 +/-100gf |
| Soldering conditions: | iron-method: 350 +/-10°C, 3 +/-1sec. |
| Material: | Terminal: brass strip, silver plated |
| | Frame: SPCC, nickel plated |
| | Base: phenolic resin, natural |
| | Contact plate: brass strip, silver plated |
| | Spring: SWC, temper |
| | Slider: POM, black |

Compliance: RohS II (2011/65/EU)

| Tolerances: up to 10: ±0.20mm above 10-50: ±0.30mm | Date | Name | MFS 201 N-SW | |
|---|---|---|---|---|
| | 03/18 | dr | | |
| | | | knitter-switch | 30 40 44 |
| Modifications | Date | Name | | Page 1/1 |