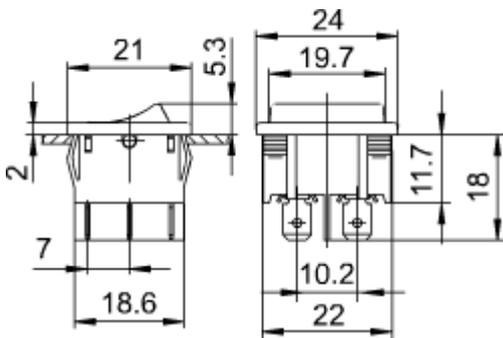




Marquardt Mechatronik GmbH  
Schloss-Str. 16  
78604 Rietheim-Weilheim  
Germany

Phone: +49 (0) 7424 / 99-0  
Fax: +49 (0) 7424 / 99-2399  
Net: www.marquardt.de  
E-mail: marquardt@marquardt.de

## Product image / Drawings



X = wall thickness

| X             | Y         | Z         |
|---------------|-----------|-----------|
| 0.75 ... 1.25 | 19.2 -0.1 | 21.9 +0.1 |
| 1.25 ... 2    | 19.4 -0.1 | 21.9 +0.1 |
| 2 ... 3       | 19.8 -0.1 | 21.9 +0.1 |

## Technical data

|   |  |               |
|---|--|---------------|
| <b>Product number</b>                       | <b>1804.1102</b>                                     |               |
| Product family                              | Rocker switches                                      |               |
| Actuation type                              | direct   |               |
| Weight                                      | 6.560 g  |               |
| ROHS conform                                | yes  |               |
| Switching function                          | Changeover switch (DPDT)                             |               |
| Material fixed contact                      | Cu silver-plated                                     |               |
| Number of poles                             | 2 - pole   |               |
| connections                                 | Quick-connect terminal, 4.8 x 0.8                    |               |
| Mechanical life endurance                   | 10E4   |               |
| Rating IEC                                  | 10 (4) A 250 V AC 1E4<br>6 (4) A 250 V AC 5E4        |               |
| Rating North America                        | 6 A 125 V AC 1/4 HP<br>6 A 250 V AC 1/2 HP           |               |
| Contact resistance (new condition)          | < 100 (1 A 12 V DC) mOhm                             |               |
| Insulation resistance (new condition)       | > 100 (500 V DC) MOhm                                |               |
| Voltage strength at 250 V                   | function insulation / basic insulation               | 1<br>500 V    |
|   | reinforced insulation                                | 3<br>000 V    |
|   | small contact distance                               | 500 V         |
| Proof tracking                              | 250 PTI  |               |
| Insulation spacing                          | acc. to EN 61058 for reinforced or double insulation |               |
| Protection type                             | Connection   | IP 40         |
|   | Actuator   | IP 40         |
| Temperatures                                | Connection side min.                                 | -20 °C        |
|   | Connection side max.                                 | 100 °C        |
|   | Actuation side min.                                  | -20 °C        |
|   | Actuation side max.                                  | 55 °C         |
|   | Storage temperature min.                             | -40 °C        |
|   | Storage temperature max.                             | 80 °C         |
| Flammability                                | UL 94 V-2  |               |
| Glow wire test temperature                  | 850 °C   |               |
| Actuators and additional actuators          | rocker: PA, black                                    |               |
| Housing description                         | housing: PA, black                                   |               |
| Connection surface                          | bearing connection                                   | silver plated |
|   | external connection                                  | silver plated |
| Contact material                            | Ag   |               |
| Contact distance                            | ≥ 3 mm   |               |
| Rating Code UL                              | R 30   |               |
| Contact type                                | lifting contact                                      |               |
| Plug force of the terminals                 | ≤ 80 N   |               |
| Approval marks                              | CSA / ENEC 05 / UL                                   |               |
| Suitable for appliances of protection class | II   |               |

|                   |                                  |
|-------------------|----------------------------------|
| Type of fastening | Snap fastening                   |
| Stock version     | <input checked="" type="radio"/> |