

# PUSHBUTTON SWITCHES

PRODUCT NUMBER 1841.1101



## TECHNICAL DATA

|                                       |                                                                                                 |                             |
|---------------------------------------|-------------------------------------------------------------------------------------------------|-----------------------------|
| Product number                        | 1841.1101                                                                                       |                             |
| Business unit                         | Switches, Sensors & Controls                                                                    |                             |
| Product Manager                       | -                                                                                               |                             |
| Product family                        | Pushbutton switches                                                                             |                             |
| Actuation type                        | direct                                                                                          |                             |
| Packing unit                          | 250                                                                                             |                             |
| Weight                                | 8.900 g                                                                                         |                             |
| ROHS conform                          | yes                                                                                             |                             |
| Output                                | catalog before 2009 / Web-Shop / catalog                                                        |                             |
| Switching function                    | ON / OFF switch (SPST)                                                                          |                             |
| Material fixed contact                | Cu silver-plated                                                                                |                             |
| Number of poles                       | 1 - pole                                                                                        |                             |
| connections                           | Quick-connect terminal, 4.8 x 0.8                                                               |                             |
| Mechanical life endurance             | 10E4                                                                                            |                             |
| Rating IEC                            | 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<br>→ reinforced insulation<br>→ small contact distance | 1 500 V<br>3 000 V<br>500 V |
| Proof tracking                        | 250 PTI                                                                                         |                             |
| Insulation spacing                    | acc. to EN 61058 for reinforced or double insulation                                            |                             |
| Protection type                       | → Connection<br>→ Actuator                                                                      | IP 40<br>IP 40              |
| Ambient temperature                   | → connection side                                                                               | -20 °C ... +100 °C          |
| Ambient temperature                   | → Actuation side min.                                                                           | -20 °C ... +55 °C           |
| Storage temperature                   | -40 °C ... +80 °C                                                                               |                             |
| Flammability                          | UL 94 V-2                                                                                       |                             |

|                                             |                                                                                                                                                                                                                   |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Glow wire test temperature                  | 850 °C                                                                                                                                                                                                            |
| Actuators and additional actuators          | actuator: PA, black                                                                                                                                                                                               |
| Housing description                         | housing: PA, black<br>bracket: PA glass fiber-reinforced, black<br>threaded socket: PA glass fiber-reinforced, black, with round nut of nickel-plated CuZn enclosed loosely, hexagonal nuts of nickel-plated CuZn |
| Connection surface                          | → bearing connection silver plated<br>→ 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 / UL / ENEC 05                                                                                                                                                                                                |
| Suitable for appliances of protection class | II                                                                                                                                                                                                                |
| Additional labeling                         | site, year, week of manuf. acc. to DIN EN 60062                                                                                                                                                                   |
| Type of fastening                           | central fastening M12 x 0.75                                                                                                                                                                                      |
| Degree of pollution                         | 2                                                                                                                                                                                                                 |
| Rated impulse withstand voltage             | 2500 V                                                                                                                                                                                                            |
| Stock version                               | ●                                                                                                                                                                                                                 |

Technical changes reserved. Dimensions are not binding.

Detailed specifications available on request.

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