

# SNAP-ACTION SWITCHES

PRODUCT NUMBER 1006.1301



## TECHNICAL DATA

|                                       |                                                      |         |
|---------------------------------------|------------------------------------------------------|---------|
| <b>Product number</b>                 | <b>1006.1301</b>                                     |         |
| Business unit                         | Switches, Sensors & Controls                         |         |
| Product Manager                       | Wolski                                               |         |
| Product family                        | Snap-action switches                                 |         |
| Actuation type                        | indirect                                             |         |
| Packing unit                          | 250                                                  |         |
| Weight                                | 10.000 g                                             |         |
| ROHS conform                          | yes                                                  |         |
| Output                                | catalog before 2009 / Web-Shop / catalog             |         |
| Switching function                    | Changeover switch (SPDT momentary)                   |         |
| Material fixed contact                | Ag                                                   |         |
| Number of poles                       | 1 - pole                                             |         |
| connections                           | Quick-connect terminal, 6.3 x 0.8                    |         |
| Mechanical life endurance             | 5E6                                                  |         |
| Rating IEC                            | 10 (4) A 400 V AC 1E4<br>6 (2.5) A 400 V AC 5E4      |         |
| Rating North America                  | 10 A 125 - 250 V AC 1/4 HP                           |         |
| Design                                | DIN 41635 A                                          |         |
| 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             | 1 500 V |
|                                       | → reinforced insulation                              | 3 000 V |
|                                       | → small contact distance                             | 500 V   |
| Proof tracking                        | 250 PTI                                              |         |
| Insulation spacing                    | acc. to EN 61058 for reinforced or double insulation |         |
| Ambient temperature                   | -40 °C ... +100 °C                                   |         |
| Storage temperature                   | -40 °C ... +80 °C                                    |         |
| Flammability                          | UL 94 (housing: V-0, actuator: V-2)                  |         |
| Glow wire test temperature            | 850 °C                                               |         |
| Actuators and additional actuators    | PA, natural<br>galvanized steel, L04, lever 78 long  |         |

|                                   |                                                                                                             |                                |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------|--------------------------------|
| Housing description               | cover: PA Latamid glass fiber-reinforced, natural<br>base plate: PA Latamid glass fiber-reinforced, natural |                                |
| Connection surface                | → bearing connection<br>→ external connection                                                               | silver plated<br>silver plated |
| Contact material                  | Ag                                                                                                          |                                |
| Contact distance                  | < 3 mm                                                                                                      |                                |
| Rating Code UL                    | R 44                                                                                                        |                                |
| Contact type                      | friction jump contact                                                                                       |                                |
| Operating force                   | 0.3 - 0.55 N                                                                                                |                                |
| Bounce time                       | < 10 ms                                                                                                     |                                |
| Difference travel max.            | 1.8 mm                                                                                                      |                                |
| Pretravel max.                    | 8.5 mm                                                                                                      |                                |
| Overtravel                        | 3.2 mm                                                                                                      |                                |
| Free position (FP) max.           | 21.5 mm                                                                                                     |                                |
| Operating position (OP)           | 15.7 ±2.7 mm                                                                                                |                                |
| Permissible total travel position | 9.8 mm                                                                                                      |                                |
| Approval marks                    | CSA / UL / ENEC 05                                                                                          |                                |
| Additional labeling               | terminal 1: NC terminal 2: NO P-terminal: C / site, year, week of manuf.                                    |                                |
| Contact geometry                  | contact with cross rib                                                                                      |                                |
| Degree of pollution               | 3                                                                                                           |                                |
| Rated impulse withstand voltage   | 2500 V                                                                                                      |                                |
| Stock version                     | ●                                                                                                           |                                |

Technical changes reserved. Dimensions are not binding.  
Detailed specifications available on request.

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