

# SNAP-ACTION SWITCHES

PRODUCT NUMBER 1048.6113



## TECHNICAL DATA

|                                       |  |                    |  |
|---------------------------------------|--|--------------------|--|
| Product number                        | 1048.6113  |                    |  |
| Business unit                         | Switches, Sensors & Controls                         |                    |  |
| Product Manager                       | -  |                    |  |
| Product family                        | Snap-action switches                                 |                    |  |
| Actuation type                        | indirect   |                    |  |
| Miscellaneous                         | lever on NC side mounted                             |                    |  |
| Weight                                | 14.000 g   |                    |  |
| ROHS conform                          | yes  |                    |  |
| Output                                | catalog  |                    |  |
| Switching function                    | Changeover switch (SPDT momentary)                   |                    |  |
| Material fixed contact                | Ag   |                    |  |
| Number of poles                       | 1 - pole   |                    |  |
| connections                           | Cable, 500 long                                      |                    |  |
| Mechanical life endurance             | 10E6   |                    |  |
| Rating IEC / Rating North America     | 10 (3) A 250 V AC 10E3                               |                    |  |
| Design                                | DIN 41635 B  |                    |  |
| 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            |  |
|                                       | → small contact distance                             | 500 V              |  |
| Proof tracking                        | 250 PTI  |                    |  |
| Insulation spacing                    | acc. to EN 61058 for reinforced or double insulation |                    |  |
| Protection type                       | → Connection   | IP 67              |  |
|                                       | → Actuator   | IP 67              |  |
| Ambient temperature                   | → Special temperature data                           | 40 °C              |  |
|                                       | → connection side                                    | -40 °C ... +100 °C |  |
| Storage temperature                   | -40 °C ... +100 °C                                   |                    |  |
| Flammability                          | UL 94 V-0  |                    |  |
| Glow wire test                        | 850 °C   |                    |  |

|   |  |
|---|--|
| temperature                                 |  |
| Actuators and additional actuators          | actuator:<br>gasket:<br>additional actuator: stainless steel spring steel, L22, lever simulated roller 2.8 long 3.4 wide, lever on NC-side mounted |
| Housing description                         | housing: PA Latamid glass fiber-reinforced, white natural, 2 lever mounting points   |
| Contact material                            | Ag   |
| Contact distance                            | < 3 mm   |
| Basic components                            | 1047.1103 / 191.071.051  |
| Contact type                                | jump contact   |
| Operating force                             | ≤ 2.0 N  |
| Bounce time                                 | < 5 ms   |
| Difference travel max.                      | 0.7 mm   |
| Pretravel max.                              | 3.0 mm   |
| Overtravel                                  | 0.4 mm   |
| Free position (FP) max.                     | 17 mm  |
| Operating position (OP)                     | 15 ±1 mm   |
| Permissible total travel position           | 13.6 mm  |
| Release force                               | ≥ 0.5 N  |
| Approval marks                              | cULus (61058) / ENEC 15  |
| Suitable for appliances of protection class | II   |
| EN 60335 cap. 30 conform "G"                | yes  |
| Additional labeling                         | year/week of manuf. acc. to DIN EN 60062   |
| Stock version                               | ●  |

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

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