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# ROCKER SWITCHES

PRODUCT NUMBER 1835.3112



## TECHNICAL DATA

|                                           |                                                                                     |
|-------------------------------------------|-------------------------------------------------------------------------------------|
| <b>Product number</b>                     | <b>1835.3112</b>                                                                    |
| Actuator color / printing                 |  |
| Product family                            | Rocker switches                                                                     |
| Actuation type                            | direct                                                                              |
| Weight                                    | 12.000 g                                                                            |
| Switch on continuous current (capacitive) | 5 A                                                                                 |
| Inrush current (capacitive)               | 120 A                                                                               |
| ROHS conform                              | yes                                                                                 |
| Switching function                        | ON / OFF switch (DPST)                                                              |
| Material fixed contact                    | Ag                                                                                  |
| Number of poles                           | 2 - pole                                                                            |
| connections                               | Quick-connect terminal, 6.3 x 0.8                                                   |
| Mechanical life endurance                 | 10E4                                                                                |
| Rating IEC                                | 20 (4) A 250 V AC 1E4<br>10 (8) A 250 V AC 5E4                                      |
| Rating North America                      | 16 A 250 V AC 1 HP                                                                  |
| Contact resistance (new condition)        | < 100 (1 A 12 V DC) mOhm                                                            |
| Insulation resistance (new condition)     | > 100 (500 V DC) MOhm                                                               |

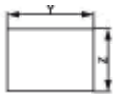
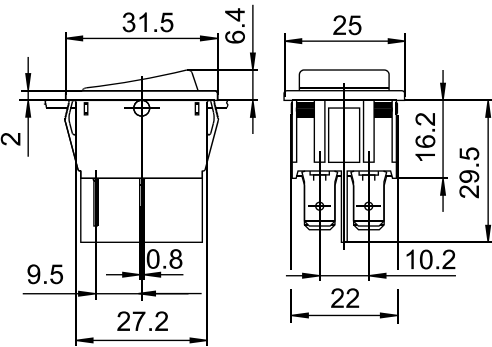
|                                             |                                                                                                                       |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Voltage strength at 250 V                   | → function insulation / basic insulation 1 500 V<br>→ reinforced insulation 3 000 V<br>→ 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<br>→ Actuator IP 40                                                                                |
| Ambient temperature                         | -20 °C ... +85 °C                                                                                                     |
| Ambient temperature                         | -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          | rocker: PC, transparent red, identification black                                                                     |
| Housing description                         | housing: PA, black                                                                                                    |
| Connection surface                          | → bearing connection silver plated<br>→ external connection silver plated                                             |
| Contact material                            | Ag                                                                                                                    |
| Contact distance                            | ≥ 3 mm                                                                                                                |
| Lighting                                    | function illumination: glow lamp, 230 V, red                                                                          |
| Rating Code UL                              | R 142                                                                                                                 |
| 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                           | Snap fastening                                                                                                        |

|                                 |        |
|---------------------------------|--------|
| Degree of pollution             | 3      |
| Rated impulse withstand voltage | 2500 V |
| Stock version                   | ●      |

PRODUCT IMAGE



DRAWINGS



| X             | Y         | Z       |
|---------------|-----------|---------|
| 0.75 ... 1.25 | 30 -0.1   | 22 +0.2 |
| 1.25 ... 2    | 30.2 -0.1 | 22 +0.2 |
| 2 ... 3       | 30.6 -0.1 | 22 +0.2 |

X = wall thickness

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

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