

# TOGGLE SWITCHES

PRODUCT NUMBER 1821.1101



## TECHNICAL DATA

<b>Product number</b>	<b>1821.1101</b>	
Business unit	Switches, Sensors & Controls	
Product Manager	-	
Product family	Toggle switches	
Actuation type	direct	
Packing unit	250	
Weight	8.660 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	5E4	
Rating IEC	6 (4) A 250 V AC 5E4	
Rating North America	6 A 125 V AC 1/4 HP 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	<ul style="list-style-type: none"> <li>→ function insulation / basic insulation</li> <li>→ reinforced insulation</li> <li>→ small contact distance</li> </ul>	<p>1 500 V</p> <p>3 000 V</p> <p>500 V</p>
Proof tracking	250 PTI	
Insulation spacing	acc. to EN 61058 for reinforced or double insulation	
Protection type	<ul style="list-style-type: none"> <li>→ Connection</li> <li>→ Actuator</li> </ul>	<p>IP 40</p> <p>IP 40</p>
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	lever: PA, black
Housing description	housing: PA, black bracket: PA glass fiber-reinforced, black threaded socket: PA glass fiber-reinforced, black, with round nut of nickel-plated CuZn enclosed loosely, hexagonal nuts of nickel-plated CuZn
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
Additional labeling	site, year, week of manuf. acc. to DIN EN 60062
Type of fastening	central fastening M12 x 0.75
Degree of pollution	3
Stock version	●

Technical changes reserved. Dimensions are not binding.

Detailed specifications available on request.

---

Marquardt GmbH · Schloss-Straße 16 · 78604 Rietheim-Weilheim · Germany  
Phone: +49 (0) 7424 / 99-0 · Fax: +49 (0) 7424 / 99-2399 · www.marquardt.com · marquardt@marquardt.de