

TOGGLE SWITCHES

PRODUCT NUMBER 1824.1101



TECHNICAL DATA

Product number	1824.1101	
Business unit	Switches, Sensors & Controls	
Product Manager	-	
Product family	Toggle switches	
Actuation type	direct	
Packing unit	125	
Weight	12.352 g	
ROHS conform	yes	
Output	catalog before 2009 / Web-Shop / catalog	
Switching function	Changeover switch (DPDT)	
Material fixed contact	Cu silver-plated	
Number of poles	2 - pole	
connections	Quick-connect terminal, 4.8 x 0.8	
Mechanical life endurance	5E4	
Rating IEC	6 (4) A 250 V AC 5E4	
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"> → function insulation / basic insulation → reinforced insulation → small contact distance 	1 500 V 3 000 V 500 V
Proof tracking	250 PTI	
Insulation spacing	acc. to EN 61058 for reinforced or double insulation	
Protection type	<ul style="list-style-type: none"> → Connection → Actuator 	IP 40 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	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	
Connection surface	→ bearing connection → external connection	silver plated silver plated
Contact material	Ag	
Contact distance	≥ 3 mm	
Contact type	lifting contact	
Plug force of the terminals	≤ 80 N	
Approval marks	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	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