

PUSHBUTTON SWITCHES

PRODUCT NUMBER 1683.1101



TECHNICAL DATA

Product number	1683.1101
Business unit	Switches, Sensors & Controls
Product Manager	Heinichen
Product family	Pushbutton switches
Actuation type	direct
Packing unit	250
Weight	5.000 g
ROHS conform	yes
Output	catalog before 2009 / catalog
Switching function	ON / OFF switch (SPST)
Material fixed contact	Ag
Number of poles	1 - pole
connections	Quick-connect terminal, 4.8 x 0.8
Mechanical life endurance	10E4
Rating IEC	12 (8) A 250 V AC 1E4 10 (8) A 250 V AC 5E4 16 (4) A 250 V AC 1E4
Rating North America	12 A 125 - 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	→ 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
Protection type	→ Connection IP 40 → Actuator IP 40
Ambient temperature	-20 °C ... +100 °C
Ambient temperature	-20 °C ... +55 °C
Storage temperature	-40 °C ... +80 °C
Flammability	UL 94 (actuator: V-0, socket: V-1, housing: V-2)
Glow wire test temperature	850 °C

Actuators and additional actuators	actuator: PC, black
Housing description	housing: PA, black base plate: PA glass fiber-reinforced, natural
Connection surface	→ bearing connection bare
Contact material	Ag
Contact distance	≥ 3 mm
Rating Code UL	R 97
Contact type	lifting contact
Plug force of the terminals	≤ 80 N
Operating force	approx. 8 N
Free position (FP) max.	23.9 mm
Operating position (OP)	20.85 mm
Permissible total travel position	19.7 mm
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	●

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