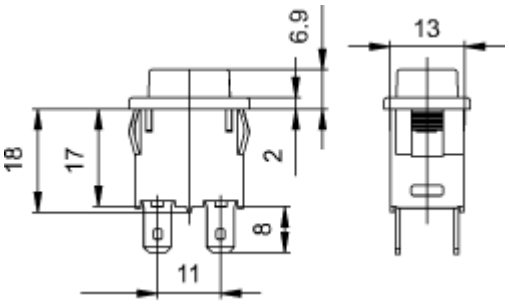
Marquardt Mechatronik GmbH
Schloss-Str. 16
78604 Rietheim-Weilheim
Germany

Phone: +49 (0) 7424 / 99-0
Fax: +49 (0) 7424 / 99-2399
Net: www.marquardt.de
E-mail: marquardt@marquardt.de

Product image / Drawings







X = wall thickness

X	Y	Z
0.75 ... 1.25	19.2 -0.1	12.9 +0.1
1.25 ... 2	19.4 -0.1	12.9 +0.1
2 ... 3	19.8 -0.1	12.9 +0.1

Technical data

Product number	**1687.1104**
Product family	Pushbutton switches
Actuation type	direct
Weight	6.406 g
ROHS conform	yes
Switching function	ON / OFF switch (DPST)
Material fixed contact	Ag
Number of poles	2 - 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
Temperatures	Connection side min. -20 °C Connection side max. 100 °C Actuation side min. -20 °C Actuation side max. 55 °C Storage temperature min. -40 °C Storage temperature max. 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, transparent green
Housing description	housing: PA, black base plate: PA glass fiber-reinforced
Connection surface	bearing connection bare
Contact material	Ag
Contact distance	≥ 3 mm
Lighting	function lighting: glow lamp, 230 V, green
Rating Code UL	R 97
Contact type	lifting contact
Plug force of the terminals	≤ 80 N
Operating force	approx. 12 N

Free position (FP) max.	23.9 mm
Operating position (OP)	20.85 mm
Permissible total travel position	19.7 mm
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	Snap fastening
Stock version	●