



# SERIES 1691 - SMALLEST SINGLE-POLE PUSHBUTTON SWITCHES

FOR LOW VOLTAGES

## PRODUCT FEATURES


- Small compact pushbutton switch for indirect actuation
- High rating with 100 000 mechanical cycles
- Pushbutton snapping on customized actuators

## ON REQUEST

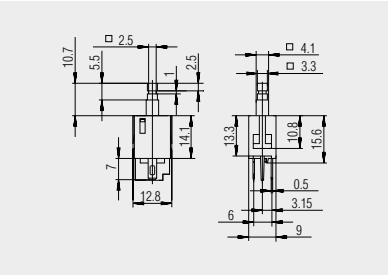
- For mains applications
- Customized actuators
- Different operating force

<b>Mechanical life endurance</b>	10E4
<b>Operating force</b>	6.0 ±1.0 N
<b>Ambient temperature</b>	terminal side -25 °C ... +70 °C
<b>Material</b> actuator housing terminals	PA PA silver plated

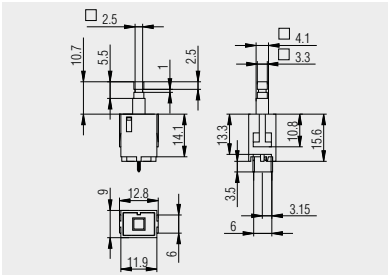
	Actuator color / printing	Housing color	5 mA 30 V	Terminal type	Terminal description	Contact distance (mm)	Contact material	Free position (FP) max. (mm)	Operating position (OP) (mm)	Permissible total travel position (TP) (mm)	Miscellaneous	Stock version
<b>ON / OFF switch (SPST)</b>												
1691.2101	■	■	○	U		< 3	Au	26.3	≤ 23.9	22.5		
<b>Normally open contact (SPNO)</b>												
1691.3201	■	■	○	U	2.8 x 0.5	< 3	Au	24.8	≤ 22.4	21		



Basic type 1691



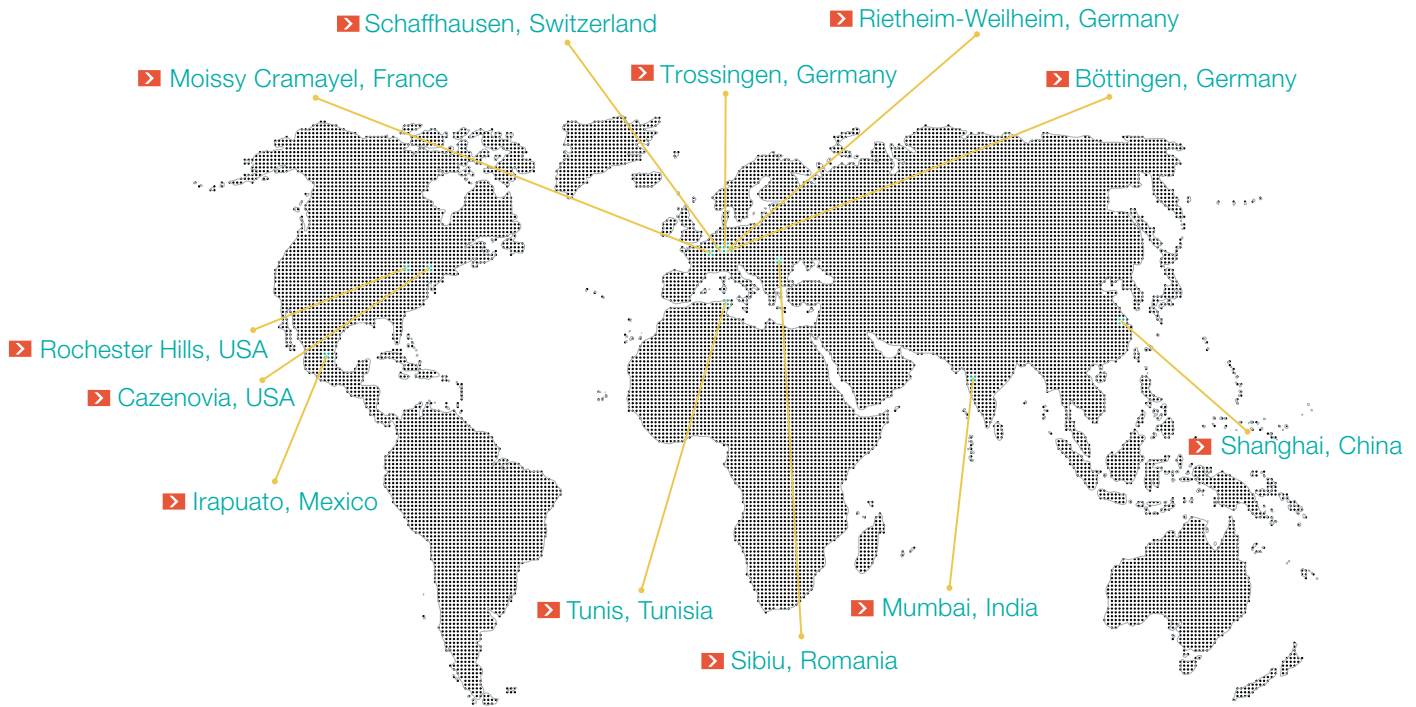
Quick-connect terminal 2.8 x 0.5



PCB terminal

ROCKER SWITCHES  
 PUSHBUTTON SWITCHES  
 TOGGLE SWITCHES  
 SLIDE SWITCHES  
 ROTARY SWITCHES  
 FOOT SWITCHES  
 TACT AND KEY SWITCHES  
 MICRO-SIGNAL SWITCHES  
 SNAP-ACTION SWITCHES  
 SENSORS  
 ECO  
 PUSH IN DRIVE

# MARQUARDT INTERNATIONAL.



## HEADQUARTERS

### Marquardt Mechatronik GmbH

Schloss-Straße 16  
78604 Rietheim-Weilheim / GERMANY  
Tel. +49 (0)74 24/99-0  
Fax +31 (0)74 24/99-2399  
marquardt@marquardt.com  
[www.marquardt.com](http://www.marquardt.com)

## Geuken



## DISTRIBUTOR

### GEUKEN B.V.

Wattstraat 25a  
2723 RA Zoetermeer / NETHERLANDS  
Tel. +31 (0)79 361 60 70  
Fax +31 (0)79 361 40 90  
info@geuken.nl  
[www.geuken.nl](http://www.geuken.nl)