

PRODUCT DATASHEET

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Datasheet begins on next page.

SERIES 1820 - SINGLE AND DOUBLE-POLE TOGGLE SWITCHES

TO 6 (4) A 250 V AC



PRODUCT FEATURES

- ◆ 100 million times proven switching principle
- ◆ Long life endurance with 50 000 mechanical switching cycles
- ◆ Excellent actuating characteristic
- ◆ Fastening with nut M12

ON REQUEST

- ◆ Other colors
- ◆ Other switching functions
- ◆ Other terminal variants
- ◆ Cable assembly

Mechanical life endurance	5E4
Contact resistance (new condition)	< 100 mOhm (1 A 12 V DC)
Insulation resistance (new condition)	> 100 MOhm (500 V DC)
Proof tracking	250 PTI
Protection type	IP 40
Ambient temperature	terminal side -20 °C ... +100 °C actuating side -20 °C ... +55 °C
Flammability	UL 94 V-2
Glow wire test temperature	850 °C
Material	actuator PA housing PA glass fiber-reinforced / PA terminals silver plated
Plug force of the terminals	≤ 80 N
Approval marks	CE / UL / CCC
Suitable for appliances of protection class II	



ROCKER SWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

SLIDE SWITCHES

ROTARY SWITCHES

FOOT SWITCHES

FACT AND KEY SWITCHES




































SNAP-ACTION SWITCHES

MICRO-SIGNAL SWITCHES

SENSORS

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 single-pole	Actuator color / printing	Housing color	6 (4) A 250 V AC 5E4	6 (2) A 250 V AC 1E4	6 A 250 V AC 1/2 HP	6 A 125 V AC 1/4 HP	Terminal type	Terminal description	Contact distance in mm	Contact material	Miscellaneous	Stock version
ON / OFF switch (SPST)												
1821.1101			●		●	●		4.8	≥ 3	Ag		●
1821.6101			●		●	●			≥ 3	Ag		●
Changeover switch (SPDT)												
1823.1101			●					4.8	≥ 3	Ag		●
1823.6101			●						≥ 3	Ag		
Changeover switch with OFF position in the center (SPDT - Center OFF)												
1828.1101				●				4.8	< 3	Ag		
1828.1201				●				4.8	< 3	Ag	momentary function one side	
1828.1301				●				4.8	< 3	Ag	momentary function both sides	
 double-pole	Actuator color / printing	Housing color	6 (4) A 250 V AC 5E4	6 (2) A 250 V AC 1E4	6 A 250 V AC 1/2 HP	6 A 125 V AC 1/4 HP	Terminal type	Terminal description	Contact distance in mm	Contact material	Miscellaneous	Stock version
ON / OFF switch (DPST)												
1822.1101			●		●	●		4.8	≥ 3	Ag		●
Changeover switch (DPDT)												
1824.1101			●					4.8	≥ 3	Ag		●
Changeover switch with OFF position in the center (DPDT - Center OFF)												
1829.1101				●				4.8	< 3	Ag		
1829.1301				●				4.8	< 3	Ag	momentary function both sides	

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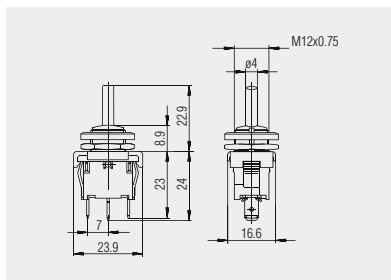
SENSORS

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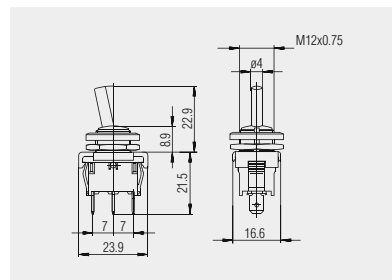
TO 6 (4) A 250 V AC



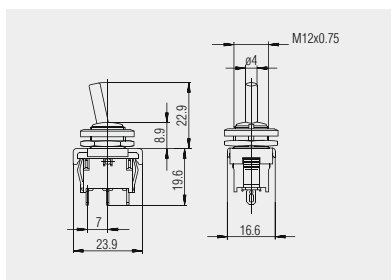
Basic types 1821, 1823 and 1828 single-pole



Quick-connect terminal 4.8 x 0.8 basic type 1828



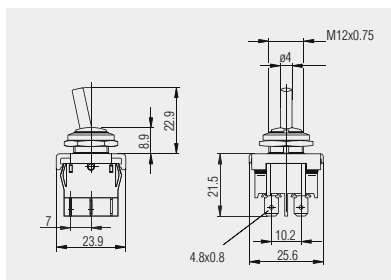
Quick-connect terminal 4.8 x 0.8 basic type 1821 and 1823



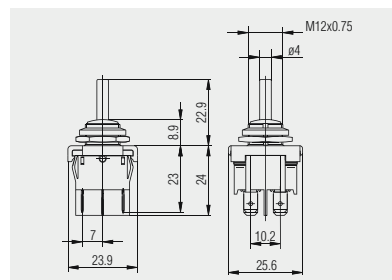
Solder terminal 1821.6101 and 1823.6101



Basic types 1822, 1824 and 1829 double-pole



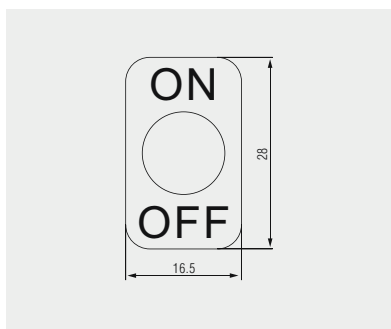
Quick-connect terminal 4.8 x 0.8 basic type 1822 and 1824



Quick-connect terminal 4.8 x 0.8 basic type 1829



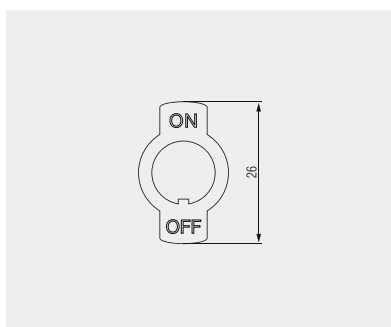
Identification plate 240.001.011



Aluminum identification plate to plugging on and with black inscription "ON" and "OFF"



Identification plate 240.002.011



Identification plate of Brass (CuZn) nickel-plated for plugging on as well as with twist protection and stamped inscription "ON" and "OFF"

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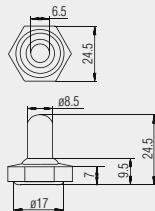
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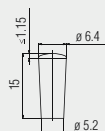
Protection cap
343.001.013 - green
343.001.023 - black
343.001.033 - red



Neopren®- cap for screwing on (M12 x 0.75) to levers of the series 1820 for dust and water protection of the actuator side



Lever receptacle
203.105.011 - black
203.105.021 - white
203.105.031 - red
203.105.041 - green



Lever receptacle in various colors for the plastic levers of the 1820 series for customer assembly. Serves as a design element and for distinguishing and marking.

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