



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 housing terminals	PA PA glass fiber-reinforced / PA silver plated
Plug force of the terminals	≤ 80 N
Approval marks	 /  / 
Suitable for appliances of protection class II	

ROCKER SWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

SLIDE SWITCHES

ROTARY SWITCHES

FOOT SWITCHES

TACT AND KEY SWITCHES

SNAP-ACTION SWITCHES

MICRO-SIGNAL SWITCHES

SENSORS

ECO

PUSH 'N' DRIVE



SERIES 1820 - SINGLE AND DOUBLE-POLE TOGGLE SWITCHES

TO 6 (4) A 250 V AC

 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 (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 (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	

ROCKER SWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

SLIDE SWITCHES

ROTARY SWITCHES

FOOT SWITCHES

TACT AND KEY SWITCHES

SNAP-ACTION SWITCHES

MICRO-SIGNAL SWITCHES

SENSORS

ECO

PUSH'N'DRIVE

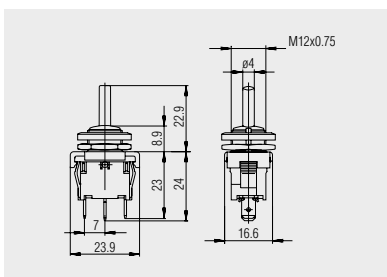


SERIES 1820 - SINGLE AND DOUBLE-POLE TOGGLE SWITCHES

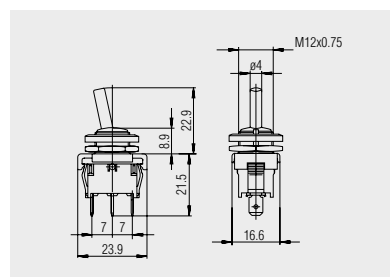
TO 6 (4) A 250 V AC



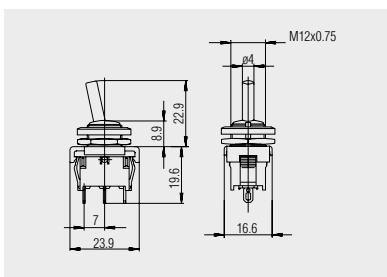
Basic types 1821, 1823 and 1828
single-pole



Quick-connect terminal 4.8 x 0.8
basic type 1828



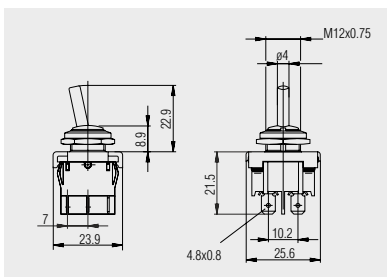
Quick-connect terminal 4.8 x 0.8
basic types 1821 and 1823



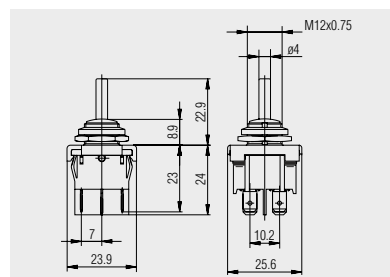
Solder terminal
1821.6101 and 1823.6101



Basic types 1822, 1824 and 1829
double-pole



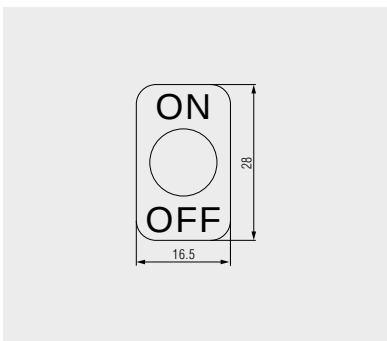
Quick-connect terminal 4.8 x 0.8
basic type 1822 and 1824



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"

ROCKER SWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

SLIDE SWITCHES

ROTARY SWITCHES

FOOT SWITCHES

TACT AND KEY SWITCHES

SNAP-ACTION SWITCHES

MICRO-SIGNAL SWITCHES

SENSORS

ECO

PUSH 'N' DRIVE

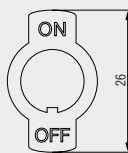


SERIES 1820 - SINGLE AND DOUBLE-POLE TOGGLE SWITCHES

TO 6 (4) A 250 V AC



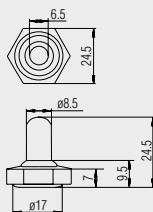
Identification plate
240.002.011



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



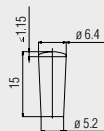
Protection cap
343.001.013 - green
343.001.023 - black
343.001.033 - red



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.

A

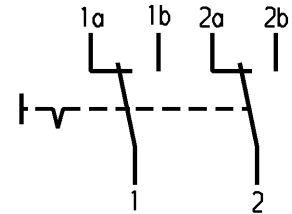
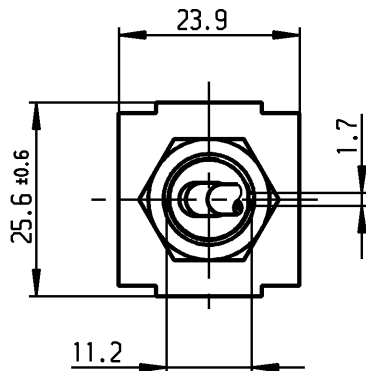
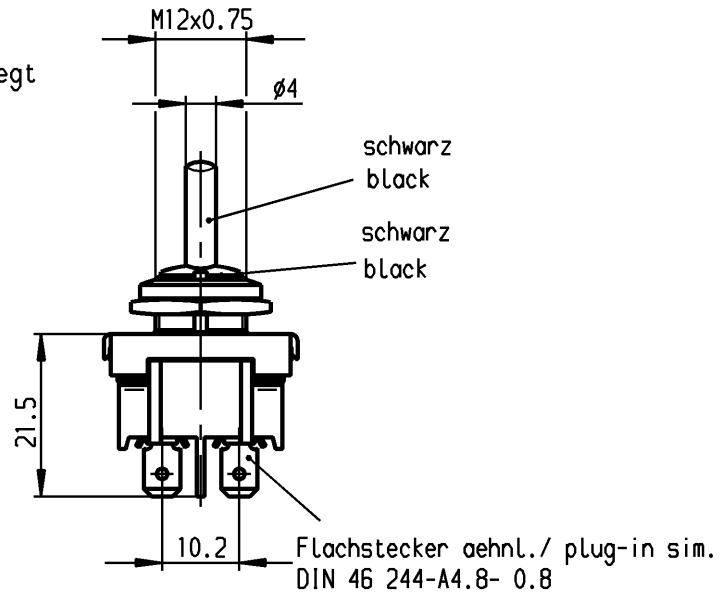
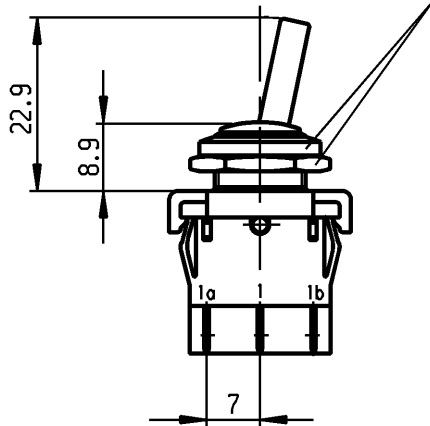
B

C

D

E

Muttern lose beigelegt
nuts loose added



Aufschrift Marking



1824.

6(4)/250~5E4 T100/55



VERTRAULICH-CONFIDENTIAL

© Alle Rechte bei Marquardt, auch fuer den Fall von Schutzrechtsanmeldungen.

Jede Verfuugungsbefugnis, wie Kopier- und Weitergaberecht, bei uns.

© This document is the exclusive property of Marquardt. Without our consent, it may not be reproduced or given to third parties.

Umschalter 2-polig

Für Geræete der Klasse II geeignet

DPDT

suitable for appliances of class II

Herstellort /-jahr/-woche nach DIN EN 60062

date of manufacture: place/year/week acc. to DIN EN 60062

Diese Unterlage ist geistiges Eigentum der Firma Marquardt. Schutzvermerk nach DIN 34 beachten. Copyright reserved.

Für Form und Lage FOR SHAPE AND LOC.			Allgemeintoleranzen UNTOLERANCED DIMENSIONS			Pause COPY		Blatt SHEET 01		Typ K	Zeichn./DRAWING NO. 1824.1101	Index	
Für Winkel FOR ANGLE ± 2°			PROJECTION		Abmasse und Nennmassbereiche Angaben in mm		Original DIN A4		Maßstab SCALE 1:1				
					ALL DIMENSIONS ARE IN MILLIMETRES						Geraeteschalter appliance switch		
c	56042	21.01.08	vor	g			CAD Medusa			Z	MARQUARDT Marquardt, D-78604 Rietheim-Weilheim		
b	29872	04.08.00	sig	f			gez./DRAWN BY 04.08.00 sig						
a	14185	25.11.81	fh	e			gepr./CHECKED BY mej						
				d	64505	22.04.10	Mut	Ersatz für/REPLACEMENT OF Zchnng.qL.Nr.v.04.11.81					
Ausg. ISSUE	Änderung REVISION	gez. DRAWN BY		Ausg. ISSUE	Änderung REVISION	gez. DRAWN BY							

Geraeteschalter
appliance switch