# 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<br>actuating side -20 °C ... +55 °C |
| Flammability | | UL 94 V-2 |
| Glow wire test temperature | | 850 °C |
| Material | actuator<br>housing<br>terminals | PA<br>PA glass fiber-reinforced / PA<br>silver plated |
| Plug force of the terminals | | ≤ 80 N |
| Approval marks | | / / |
| Suitable for appliances of protection class II | | |

# 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 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 | |

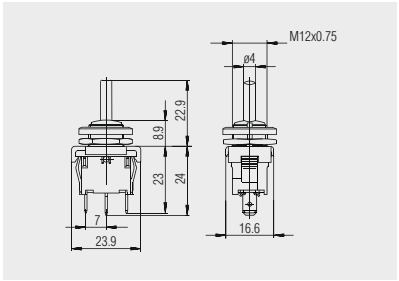
double-pole

| | 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 | |

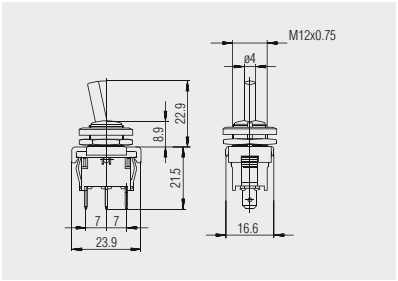
# SERIES 1820 - SINGLE AND DOUBLE-POLE TOGGLE SWITCHES

TO 6 (4) A 250 V AC

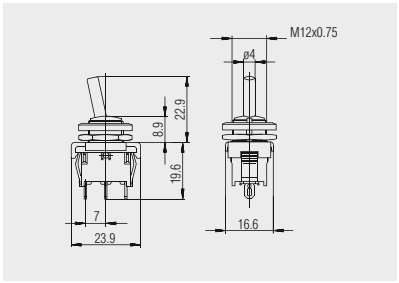
Basic types 1821, 1823 and 1828
single-pole




Quick-connect terminal 4.8 x 0.8
basic type 1828

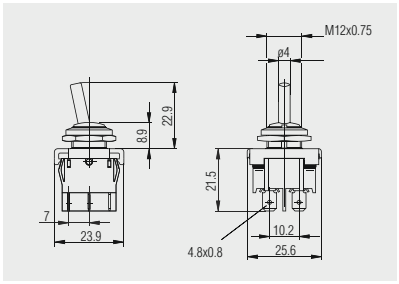



Quick-connect terminal 4.8 x 0.8
basic type 1821 and 1823

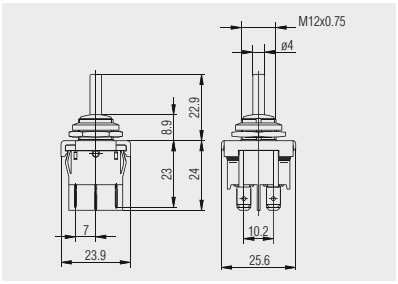



Solder terminal
1821.6101 and 1823.6101

Basic types 1822, 1824 and 1829
double-pole

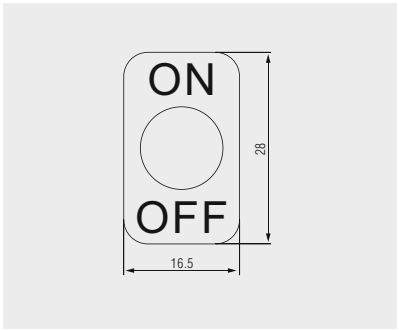



Quick-connect terminal 4.8 x 0.8
basic type 1822 and 1824



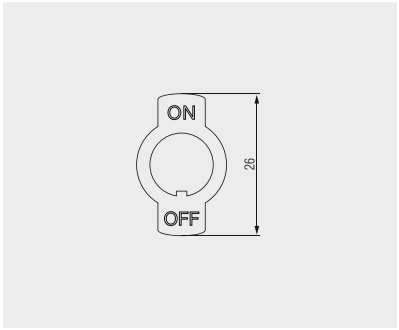

Quick-connect terminal 4.8 x 0.8
basic type 1829

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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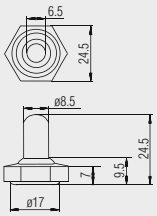
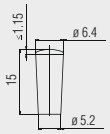
Protection cap
343.001.013 - green
343.001.023 - black
343.001.033 - red




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.

Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001
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http://moschip.ru/get-element

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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