

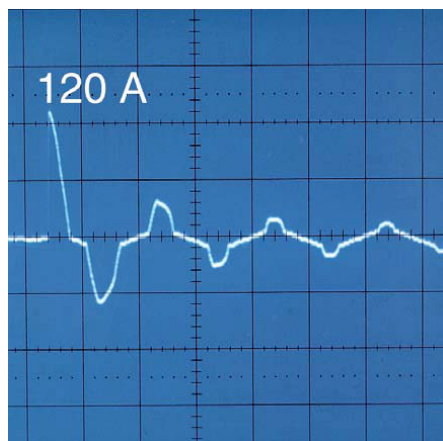
# SERIES 1550 - SINGLE POLE AND DOUBLE POLE ROCKER SWITCHES

UP TO 16 (4) A 250 V~ INRUSH CURRENTS UP TO 100 A



## PRODUCT ADVANTAGES

- ◆ Single pole and double pole rocker switches in the same size with ratings up to 16 (4) A 250 V~
- ◆ Inrush currents up to 100 A
- ◆ Excellent actuation characteristic due to snap-action contacting system
- ◆ Forced mechanical opening in the event that contacts weld together under extremely high switching loads
- ◆ Silk matt surface with an abrasionproof marking
- ◆ High accuracy of fit between rocker and housing
- ◆ Prominent lighting by lens effect
- ◆ For ambient temperatures up to T 100/55
- ◆ Simple snap-on assembly for appliance panel thickness of 0.80 ... 5.00 mm
- ◆ Tight fit in appliance cut-out due to tolerance compensation ribs on the switch housing
- ◆ Locked terminals for safe plugging of the connectors



## SWITCHING FUNCTIONS SINGLE AND DOUBLE POLE

- ◆ ST-switch
- ◆ ST-switch with indicator lamp
- ◆ Switch with momentary function

## TERMINAL VERSIONS

- ◆ Quick-connect terminal 6.3 mm
- ◆ Solder terminal
- ◆ PC-terminal
- ◆ Angled PC-terminal

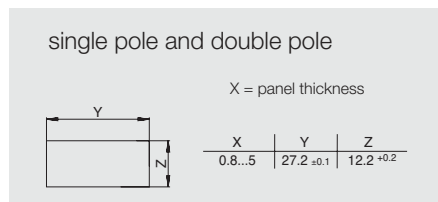
## VERSIONS ON REQUEST

- ◆ With flammability according to UL 94 V-0
- ◆ For inrush currents up to 120 A
- ◆ With gold contacts for low voltages
- ◆ Switches with additional supports for PCB assembly

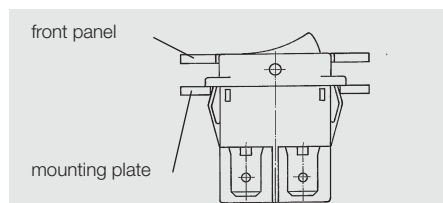
## Standard versions



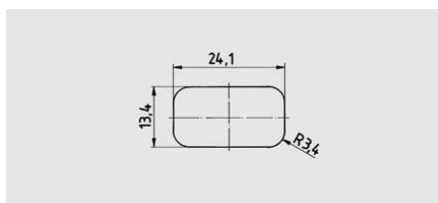
## Appliance cut-out



## Installation example



## Appliance cut-out

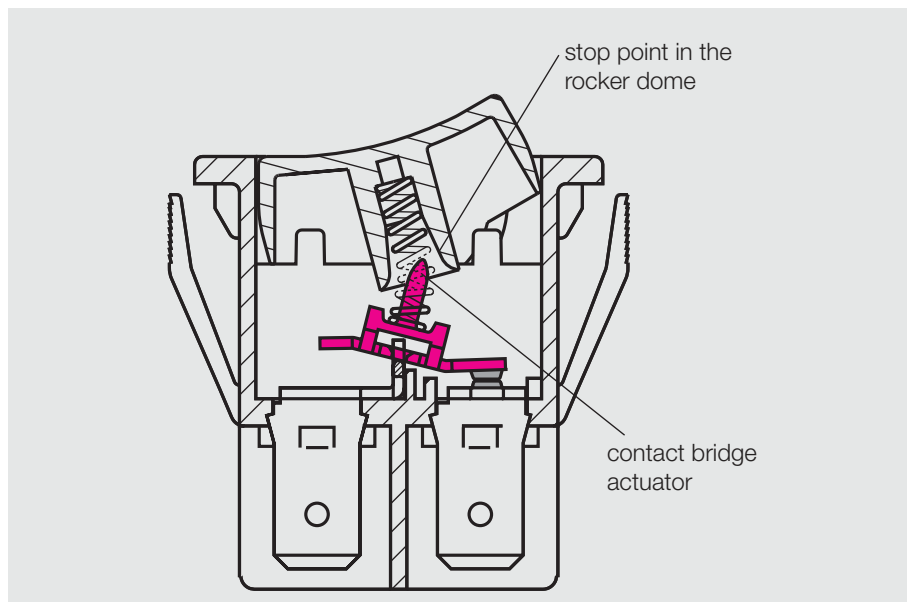


|                                                                            |                                                                                                                                                                             |
|----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical rating                                                          | 16 (4) A 250 V~<br>10 (4) A 250 V~ 5E4<br>5/100 A 250 V~<br><br>16 A 125 - 250 V AC<br>1 HP 125 V AC<br>2 HP 250 V AC                                                       |
| Inrush current ST-switches                                                 | 100 A capacitive 10 <sup>4</sup> operations                                                                                                                                 |
| Mechanical life endurance                                                  | ≥ 5E4                                                                                                                                                                       |
| Contact resistance (new state)                                             | < 100 mΩ (12 V, 1A DC)                                                                                                                                                      |
| Insulation resistance (new state)                                          | > 100 MΩ (500 V DC between the open contacts)                                                                                                                               |
| High voltage resistance (new state)                                        | 1250 V eff. (between the open contacts)<br>3750 V eff. (reinforced insulation)                                                                                              |
| Resistance to tracking                                                     | PTI 250                                                                                                                                                                     |
| Contact gap                                                                | ≥ 3 mm                                                                                                                                                                      |
| Insulation spacing                                                         | ≥ 8 mm                                                                                                                                                                      |
| Protection type                                                            | IP 40                                                                                                                                                                       |
| Ambient temperature                                                        | terminal side<br>actuating side                                                                                                                                             |
|                                                                            | -20 °C ... +100 °C no condensation<br>-20 °C ... + 55 °C no condensation                                                                                                    |
| Storage temperature                                                        | -40 °C ... + 80 °C                                                                                                                                                          |
| Actuating force                                                            | 3-5 N                                                                                                                                                                       |
| Flammability                                                               | UL 94 V-2                                                                                                                                                                   |
| Heat and fire-resistance                                                   | 850 °C (category D)                                                                                                                                                         |
| Material housing and rocker                                                | PA                                                                                                                                                                          |
| rocker illuminated                                                         | PA/PC                                                                                                                                                                       |
| Contacts                                                                   | Ag                                                                                                                                                                          |
| Terminals                                                                  | CuZn resp.silver-plated                                                                                                                                                     |
| Temperature rise at the terminals (according to electrical life endurance) | max. 30 K (UL 1054)<br>max. 55 K (EN 61058-1)                                                                                                                               |
| Solderability of terminals                                                 | max. 350 °C, 3 sec. (no pressure on the terminals when soldering by hand!)                                                                                                  |
| Push-on force of connectors                                                | ≤ 80 N                                                                                                                                                                      |
| Approval marks                                                             |   |
| Suitable for appliances of protection class II                             |                                                                                                                                                                             |

The test conditions comply with EN 61058-1 and UL 1054

## FORCED CONTACT OPENING

The series 1550 is designed in order to force mechanically welded contacts (melting under heat) which may occur at extremely high switching loads to open.



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UP TO 16 (4) A 250 V~ INRUSH CURRENTS UP TO 100 A

## ST-SWITCHES

with indicator lamp

16 (4) A 250 V~  
10 (4) A 250 V~ 5E4  
5/100A 250 V~  
**16 A (2 HP) 250 V AC**

Switches for 125 V AC and  
single pole versions on request



double pole  
□ 1555.3104\*



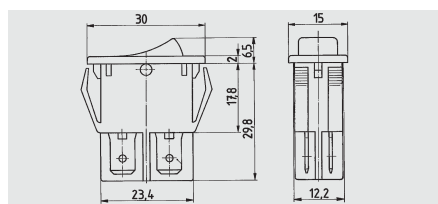
double pole  
□ 1555.3102\*



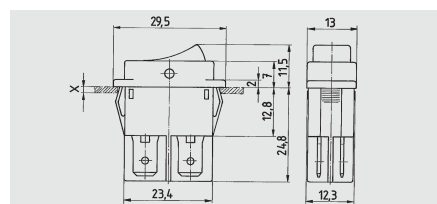
double pole  
□ 1555.3108\*



double pole  
□ 1555.3604



□ quick-connect terminal 6.3



□ quick-connect terminal 6.3

## ST-SWITCHES

16 (4) A 250 V~  
10 (4) A 250 V~ 5E4  
5/100A 250 V~  
**16 A 125 - 250 V AC**  
**1 HP 125 V AC**  
**2 HP 250 V AC**



single pole  
□ 1551.3102\*



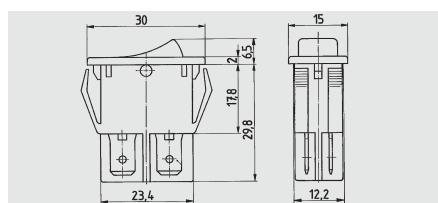
double pole  
□ 1552.3102\*



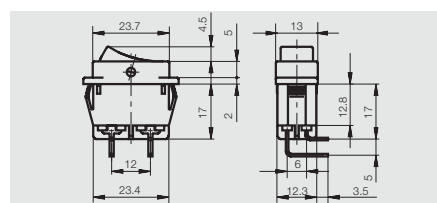
double pole  
□ 1552.3602\*  
□ 1552.2602  
□ 1552.4602\*



double pole  
□ 1552.4606\*



□ quick-connect terminal 6,3



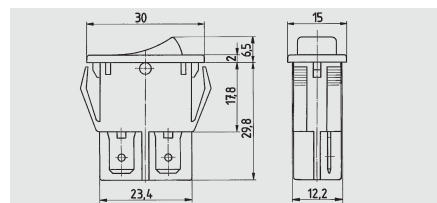
□ angled PC-terminal

## SWITCHES WITH MOMENTARY FUNCTION

16 (4) A 250 V~  
10 (4) A 250 V~ 5E4  
5/100A 250 V~  
**16 A 125 - 250 V AC**  
**1 HP 125 V AC**  
**2 HP 250 V AC**



single pole NO  
□ 1551.3202\*



□ quick-connect terminal 6.3

## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<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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