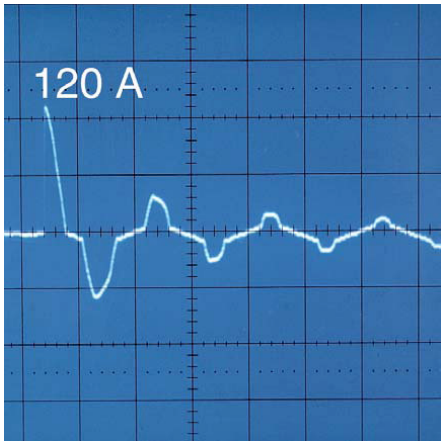
# SERIES 1550 - SINGLE POLE AND DOUBLE POLE ROCKER SWITCHES

## 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

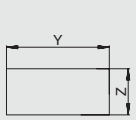
### VERSIONS ON REQUEST

- 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

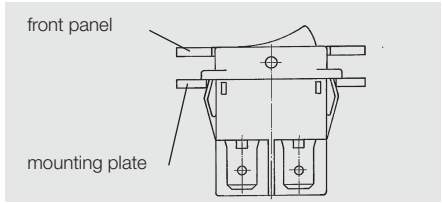
single pole and double pole



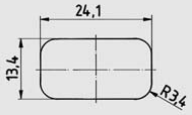

X = panel thickness

| X | Y | Z |
|---|---|---|
| 0.8...5 | 27.2 ±0.1 | 12.2 +0.2 |

Installation example




Appliance cut-out

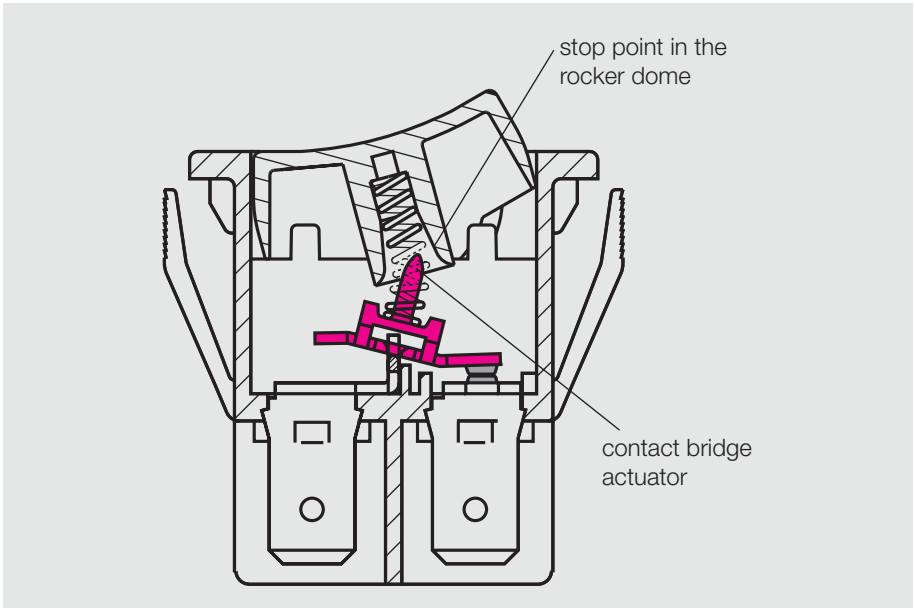


| | | |
|---|---|---|
| Electrical rating | | 16 (4) A 250 V~<br>10 (4) A 250 V~ 5E4<br>5/100 A 250 V~<br>16 A 125 - 250 V AC<br>1 HP 125 V AC<br>2 HP 250 V AC |
| Inrush current ST-switches | | 100 A capacitive $10^4$ operations |
| Mechanical life endurance | | ≥ 5E4 |
| Contact resistance (new state) | | < 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<br>rocker illuminated | | PA<br>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 mechanicallly welded contacts (melting under heat) which may occur at extremely high switching loads to open.



# SERIES 1550 - SINGLE POLE AND DOUBLE POLE ROCKER SWITCHES

## 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
5/100 A 250 V~
16 A (2 HP) 250 V AC

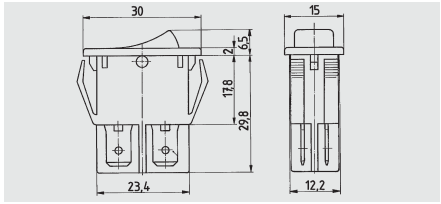
Switches for 125 V AC and
single pole versions on request

double pole
1555.3104*

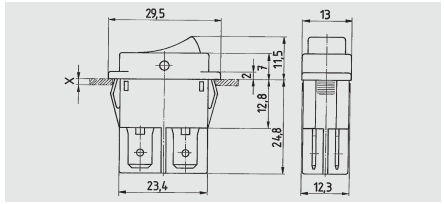
double pole
1555.3102*

double pole
1555.3108*

double pole
1555.3604




quick-connect terminal 6.3




quick-connect terminal 6.3

### ST-SWITCHES

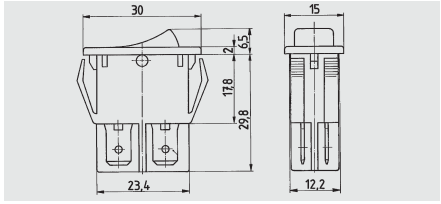
16 (4) A 250 V~
10 (4) A 250 V~ 5E4
5/100 A 250 V~
16 A 125 - 250 V AC
1 HP 125 V AC
2 HP 250 V AC

single pole
1551.3102*

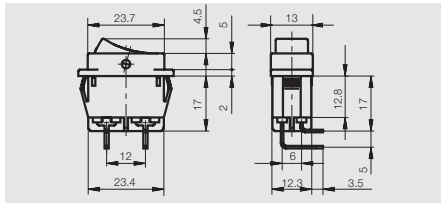
double pole
1552.3102*

double pole
1552.3602*
1552.2602
1552.4602*

double pole
1552.4606*




quick-connect terminal 6,3

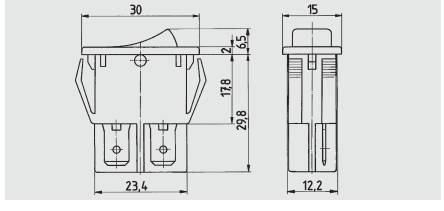



angled PC-terminal

### SWITCHES WITH MOMENTARY FUNCTION

16 (4) A 250 V~
10 (4) A 250 V~ 5E4
5/100 A 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



* Version on stock

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http://moschip.ru/get-element

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