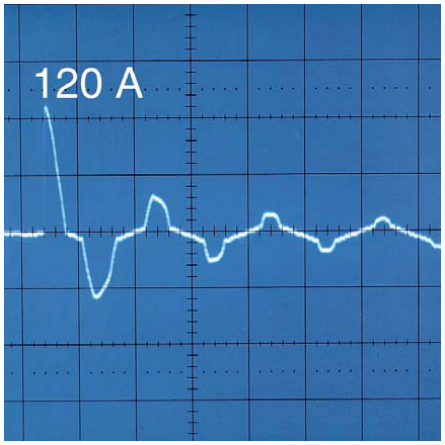
SERIES 1550 - SINGLE POLE AND DOUBLE POLE ROCKER SWITCHES

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

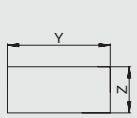
VERSIONS ON REQUEST

- 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

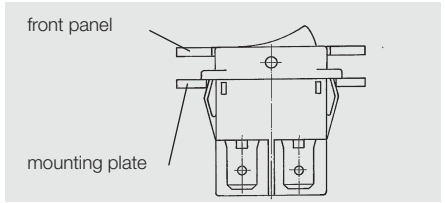
single pole and double pole



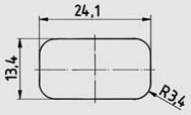
X = panel thickness

X	Y	Z
0.8...5	27.2 ±0.1	12.2 +0.2

Installation example



Appliance cut-out

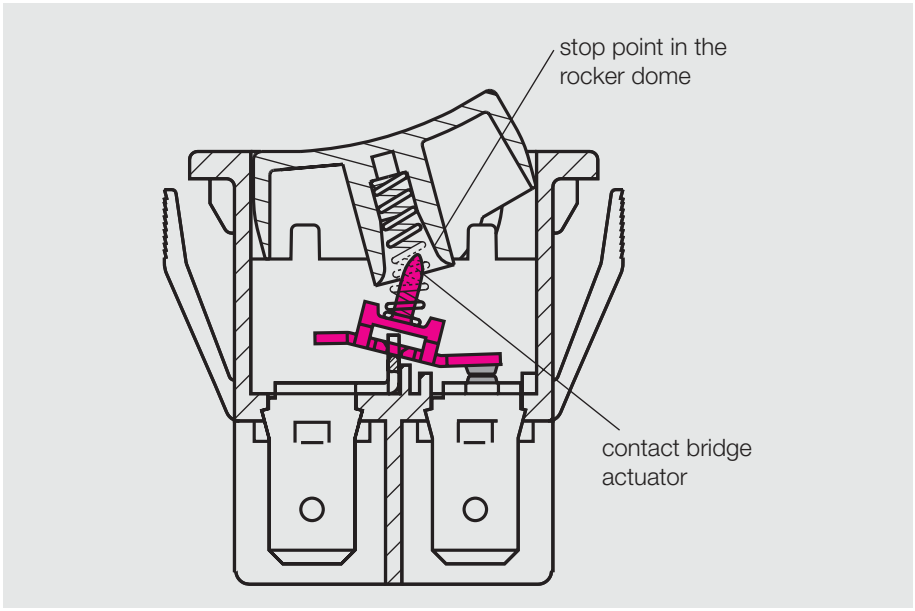


Electrical rating		16 (4) A 250 V~ 10 (4) A 250 V~ 5E4 5/100 A 250 V~ 16 A 125 - 250 V AC 1 HP 125 V AC 2 HP 250 V AC
Inrush current ST-switches		100 A capacitive 10^4 operations
Mechanical life endurance		≥ 5E4
Contact resistance (new state)		< 100 mΩ (12 V, 1A DC)
Insulation resistance (new state)		> 100 MΩ (500 V DC between the open contacts)
High voltage resistance (new state)		1250 V eff. (between the open contacts) 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 actuating side	-20 °C ... +100 °C no condensation -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 rocker illuminated		PA PA/PC
Contacts		Ag
Terminals		CuZn resp.silver-plated
Temperature rise at the terminals (according to electrical life endurance)		max. 30 K (UL 1054) 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.



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

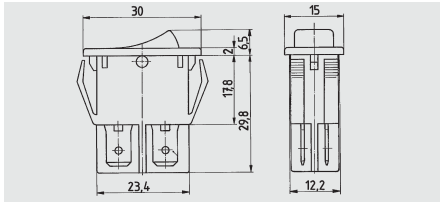
Switches for 125 V AC and
single pole versions on request

double pole
1555.3104*

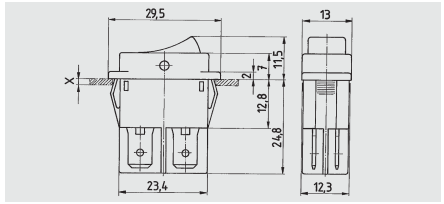
double pole
1555.3102*

double pole
1555.3108*

double pole
1555.3604



quick-connect terminal 6.3



quick-connect terminal 6.3

ST-SWITCHES

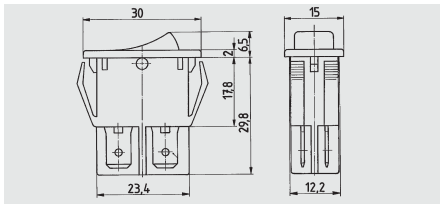
16 (4) A 250 V~
10 (4) A 250 V~ 5E4
5/100 A 250 V~
16 A 125 - 250 V AC
1 HP 125 V AC
2 HP 250 V AC

single pole
1551.3102*

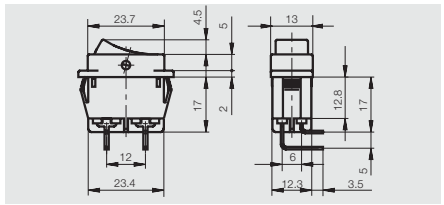
double pole
1552.3102*

double pole
1552.3602*
1552.2602
1552.4602*

double pole
1552.4606*



quick-connect terminal 6,3

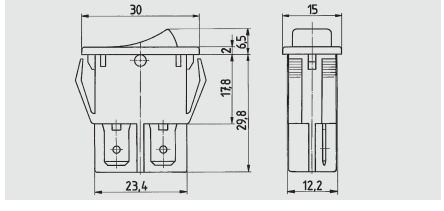


angled PC-terminal

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