

SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 20 (4) A 250 V AC






PRODUCT FEATURES

- ◆ 100 million times proven switching principle
- ◆ Mechanical life endurance up to 1 million switching cycles
- ◆ Wide variety
- ◆ Variants with IP 67 or dust protection insert
- ◆ Two housing variants
- ◆ Excellent actuating characteristic
- ◆ Illuminated and non-illuminated variants
- ◆ Approval for 400 V (product-dependent)

ON REQUEST


- ◆ Other colors
- ◆ Other rocker printings
- ◆ Other lamp variants
- ◆ Snap-on customized actuators
- ◆ Cable assembly

| | |
|--|---|
| Mechanical life endurance | 10E4 5E4 (basic type 1839) 1E6 (product-dependent) |
| Inrush current (capacitive) | 120 A / 50 A (contact pair Ag / Cu) |
| Contact resistance (new condition) | < 100 mOhm (1 A 12 V DC) |
| Insulation resistance (new condition) | > 100 MOhm (500 V DC) |
| Voltage strength at 250 V | 1 500 V function insulation / basic insulation 3 000 V reinforced insulation 500 V small contact distance |
| Proof tracking | 250 PTI |
| Insulation spacing | acc. to EN 61058 for reinforced or double insulation |
| Protection type | IP 40 / IP 67 (product-dependent) |
| Ambient temperature | connection side -20 °C ... +105 °C / ... +85 °C / ... +100 °C actuating side -20 °C ... +55 °C |
| Flammability | UL 94 V-2 and UL 94 V-0 (product-dependent) |
| Heat and fire resistance | 850 °C (category D) |
| Material | actuator PA / PC housing PA connections silver-plated / tinned |
| Plug force of the terminals | ≤ 80 N |
| Approval marks |    |
| Suitable for appliances of protection class II | |



SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES


TO 20 (4) A 250 V AC

|  single-pole | ON/OFF switch (SPST) | | | | | | | Changeover switch (SPDT momentary) | ON/OFF switch (SPST) | | | | | | |
|--|----------------------|-----------|-----------|-----------|------------------|-----------|------------------|--|----------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 1830.3111 | 1830.3112 | 1830.3118 | 1830.3119 | 1830.8112 | 1830.0102 | 1830.6103 | | 1835.3902 | 1831.0112 | 1831.0114 | 1831.0115 | 1831.3312 | 1831.3313 | 1831.3317 |
| Voltage lamp in V | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | | | | | | | |
| Actuator color / printing | | | | | | | | | | | | | | | |
| Housing color | | | | | | | | | | | | | | | |
| 20 (4) A 250 V AC 1E4 | • | • | • | • | • | | | | | • | • | • | • | • | • |
| 16 (4) A 250 V AC 1E4 | | | | | | | | | | | | | | | |
| 10 (8) A 250 V AC 5E4 | • | • | • | • | • | | | | | • | • | • | • | • | • |
| 10 (4) A 250 V AC 1E4 | | | | | | | • | • | | | | | | | |
| 10 A 12 V DC | | | | | | | | | | | | | | | |
| 6 (4) A 250 V AC 5E4 | | | | | | | | | | | | | | | |
| 6 (4) A 250 V AC 1E4 | | | | | | | | | | | | | | | |
| 6 (4) A 250 V AC | | | | | | | | | | | | | | | |
| 4 (2) A 250 V AC 1E4 | | | | | | | | | • | | | | | | |
| 30 mA 12 V DC | | | | | | | | | | | | | | | |
| 16 A 250 V AC 1 HP | • | • | • | • | • | | | | | • | • | • | • | • | • |
| 16 A 125 V AC 1 HP | | | | | | | | | | | | | | | |
| 16 A 250 V AC 1/2 HP | | | | | | | | | | • | • | • | • | • | • |
| 16 A 125 V AC 1/3 HP | | | | | | | | | | | | | | | |
| 16 A 125 V AC 1/4 HP | | | | | | | | | | | | | | | |
| 6 A 250 V AC 1/2 HP | | | | | | | • | • | | | | | | | |
| 6 A 125 V AC 1/4 HP | | | | | | | | | | | | | | | |
| 6 A 125 - 250 V AC 1/8 HP | | | | | | | | | | | | | | | |
| 6 A 125 V AC 1/10 HP | | | | | | | | | • | | | | | | |
| 4 A 250 V AC 1/10 HP | | | | | | | | | • | | | | | | |
| Connection type | | | | | | | | | | | | | | | |
| Connection description | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | | 4.8 | 6.3 | | | | 6.3 | 6.3 | 6.3 | 6.3 |
| Contact distance in mm | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | | ≥ 3 | ≥ 3 | | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 |
| Contact material | Ag | Ag | Ag | Ag | Ag | | Ag | Ag | | Ag | Ag | Ag | Ag | Ag | Ag |
| EN 60335 cap. 30 conform "G" | | | | • | | | | | | | | | | | • |
| Miscellaneous | | | | | low lying flange | | low lying flange | external lamp connection two-pole size | | | | | | | |
| Stock version | • | • | • | • | • | • | | | | • | | | • | • | |

ROCKER SWITCHES
PUSHBUTTON SWITCHES
TOGGLE SWITCHES
SLIDE SWITCHES
ROTARY SWITCHES
FOOT SWITCHES
POWER TOOL SWITCHES
TACT AND KEY SWITCHES
SNAP-ACTION SWITCHES
MICRO-SIGNAL SWITCHES
SENSORS















































SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 20 (4) A 250 V AC

|  single-pole | ON/OFF switch (SPST) | | | | | | | | Normally open contact (SPNO) | | | | Switch (SPDT) | |
|--|---------------------------------|---------------------------------|--|-----------|------------------|-----------|------------------|------------------|------------------------------|-----------|------------------|-----------|---------------|-----------|
| | 1831.3606 | 1831.3607 | 1831.3815 | 1831.3933 | 1831.8112 | 1831.1107 | 1831.7102 | 1831.8102 | 1831.1202 | 1831.3402 | 1831.8202 | 1831.1253 | 1833.3312 | 1833.1102 |
| Voltage lamp in V | | | | | | | | | | | | | | |
| Actuator color / printing | | | | | | | | | | | | | | |
| Housing color | black | black | black | black | black | black | black | black | black | black | black | black | black | black |
| 20 (4) A 250 V AC 1E4 | • | • | • | • | • | | | | | | | | | |
| 16 (4) A 250 V AC 1E4 | | | | | | | | | | | | | • | |
| 10 (8) A 250 V AC 5E4 | • | • | • | • | • | | | | | | | | | |
| 10 (4) A 250 V AC 1E4 | | | | | | • | • | • | | | | | | • |
| 10 A 12 V DC | | | | | | | | | | | | | | |
| 6 (4) A 250 V AC 5E4 | | | | | | • | • | • | | | | | | • |
| 6 (4) A 250 V AC 1E4 | | | | | | | | | | | | | | |
| 6 (4) A 250 V AC | | | | | | | | | | | | | | |
| 4 (2) A 250 V AC 1E4 | | | | | | | | | • | • | • | | | |
| 30 mA 12 V DC | | | | | | | | | | | • | | | |
| 16 A 250 V AC 1 HP | • | • | • | • | • | | | | | | | | | |
| 16 A 125 V AC 1 HP | | | | | | | | | | | | | | |
| 16 A 250 V AC 1/2 HP | | | | | | | | | | | | | • | |
| 16 A 125 V AC 1/3 HP | • | • | • | • | • | | | | | | | | | |
| 16 A 125 V AC 1/4 HP | | | | | | | | | | | | | • | |
| 6 A 250 V AC 1/2 HP | | | | | | • | • | • | | | | | | • |
| 6 A 125 V AC 1/4 HP | | | | | | • | • | • | | | | | | • |
| 6 A 125 - 250 V AC 1/8 HP | | | | | | | | | | | | | | |
| 6 A 125 V AC 1/10 HP | | | | | | | | | • | • | • | | | |
| 4 A 250 V AC 1/10 HP | | | | | | | | | • | • | • | | | |
| Connection type | | | | | | | | | | | | | | |
| Connection description | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 4.8 | 6.3 | 4.8 | 6.3 | 6.3 | 6.3 | 4.8 | 6.3 | 4.8 |
| Contact distance in mm | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 |
| Contact material | Ag | Ag | Ag | Ag | Ag | Ag | Ag | Ag | Ag | Ag | Ag | Au | Ag | Ag |
| EN 60335 cap. 30 conform "G" | • | • | | | | | | | | | | | | |
| Miscellaneous | housing with 2 separating gates | housing with 2 separating gates | IP 67 1E6 mechanical life endurance | | low lying flange | | low lying flange | low lying flange | | | low lying flange | | | |
| Stock version | | | | • | • | • | | | • | • | • | | | • |

SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 20 (4) A 250 V AC

|  | Switch (SPDT) | | | Switch with OFF position in the center (SPDT - Center OFF) | 1833.3307 | 1833.7102 | 1833.8102 | 1838.0305 | 1838.3412 | 1838.3512 | 1838.3901 | 1838.1402 | 1838.1502 | 1838.1509 | 1838.1602 | 1838.4307 | 1838.7203 | 1838.8302 | 1838.3402 | | |
|---|---------------------------|---|---|--|---|---|---|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Voltage lamp in V | | | | | | | | | | | | | | | | | | | | |
| | Actuator color / printing | |  | |  | |  |  |  |  |  |  |  |  |  |  |  |  |  | | |
| | Housing color | |  | |  | |  |  |  |  |  |  |  |  |  |  |  |  |  | | |
| 20 (4) A 250 V AC 1E4 | | | | | | | | | | | | | | | | | | | | | |
| 16 (4) A 250 V AC 1E4 | | | | | | | | ● | ● | ● | ● | | | | | | | | | | |
| 10 (8) A 250 V AC 5E4 | | | | | | | | | | | | | | | | | | | | | |
| 10 (4) A 250 V AC 1E4 | | | | | | | ● | ● | ● | ● | | | | | | | | | | | |
| 10 A 12 V DC | | | | | | | | | | | | | | | | | | | | | |
| 6 (4) A 250 V AC 5E4 | | | | | | | ● | ● | ● | ● | | | | | | | | | | | |
| 6 (4) A 250 V AC 1E4 | | | | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 6 (4) A 250 V AC | | | | | | | | | | | | | | | | | | | | ● | |
| 4 (2) A 250 V AC 1E4 | | | | | | | | | | | | | | | | | | | | | |
| 30 mA 12 V DC | | | | | | | | | | | | | | | | | | | | | |
| 16 A 250 V AC 1 HP | | | | | | | | | | | | | | | | | | | | | |
| 16 A 125 V AC 1 HP | | | | | | | | | | | | | | | | | | | | | |
| 16 A 250 V AC 1/2 HP | | | | | | | | ● | ● | ● | ● | | | | | | | | | | |
| 16 A 125 V AC 1/3 HP | | | | | | | | ● | ● | ● | ● | | | | | | | | | | |
| 16 A 125 V AC 1/4 HP | | | | | | | | | | | | | | | | | | | | | |
| 6 A 250 V AC 1/2 HP | | | | | | | ● | ● | ● | ● | | | | | | | | | | | |
| 6 A 125 V AC 1/4 HP | | | | | | | ● | ● | ● | ● | | | | | | | | | | | |
| 6 A 125 - 250 V AC 1/8 HP | | | | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| 6 A 125 V AC 1/10 HP | | | | | | | | | | | | | | | | | | | | | |
| 4 A 250 V AC 1/10 HP | | | | | | | | | | | | | | | | | | | | | |
| Connection type | |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  | | | | |
| Connection description | | 6.3 | | | | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 4.8 | 4.8 | 4.8 | 4.8 | 2.8 | | 6.3 | 6.3 | 6.3 | |
| Contact distance in mm | | ≥ 3 | ≥ 3 | ≥ 3 | | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | |
| Contact material | | Ag | Ag | Ag | | Ag | Ag | Ag | Ag | Ag | Ag | Ag | Ag | Ag | Ag | Ag | Ag | Ag | Ag | Ag | |
| EN 60335 cap. 30 conform "G" | | ● | | | | | | | | | | | | | | | | | | | |
| Miscellaneous | | | low lying flange | low lying flange | | momentary function both sides | momentary function both sides | | IP 67 1E6 mechanical life endurance | momentary function both sides | | momentary function one side | momentary function one side | momentary function one side | momentary function one side | momentary function one side low lying flange | momentary function both sides low lying flange | momentary function both sides | momentary function both sides | | |
| Stock version | | ● | | ● | | | | | ● | ● | ● | ● | ● | | ● | | | ● | ● | ● | |

ROCKER SWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

SLIDE SWITCHES

ROTARY SWITCHES

FOOT SWITCHES

POWER TOOL SWITCHES

TACT AND KEY SWITCHES

SNAP-ACTION SWITCHES


MICRO-SIGNAL SWITCHES

SENSORS

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TO 20 (4) A 250 V AC


- ROCKER SWITCHES
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- POWER TOOL SWITCHES
- TACT AND KEY SWITCHES
- SNAP-ACTION SWITCHES
- MICRO-SIGNAL SWITCHES
- SENSORS

| single-pole | Switch with OFF position in the center (SPDT - Center OFF) | | Changeover switch (SPDT momentary) | | |
|---|--|--|------------------------------------|-----------|------------------|
| | 1838.3502 | | 1833.1202 | 1833.3402 | 1833.6206 |
|  | | | | | |
| Voltage lamp in V | | | | | |
| Actuator color / printing | ● | | ● | ● | ● |
| Housing color | ■ | | ■ | ■ | ■ |
| 20 (4) A 250 V AC 1E4 | | | | | |
| 16 (4) A 250 V AC 1E4 | | | | | |
| 10 (8) A 250 V AC 5E4 | | | | | |
| 10 (4) A 250 V AC 1E4 | | | | | |
| 10 A 12 V DC | | | | | |
| 6 (4) A 250 V AC 5E4 | | | | | |
| 6 (4) A 250 V AC 1E4 | | | | | |
| 6 (4) A 250 V AC | ● | | | | |
| 4 (2) A 250 V AC 1E4 | | | ● | ● | ● |
| 30 mA 12 V DC | | | | | |
| 16 A 250 V AC 1 HP | | | | | |
| 16 A 125 V AC 1 HP | | | | | |
| 16 A 250 V AC 1/2 HP | | | | | |
| 16 A 125 V AC 1/3 HP | | | | | |
| 16 A 125 V AC 1/4 HP | | | | | |
| 6 A 250 V AC 1/2 HP | | | | | |
| 6 A 125 V AC 1/4 HP | | | | | |
| 6 A 125 - 250 V AC 1/8 HP | ● | | | | |
| 6 A 125 V AC 1/10 HP | | | ● | ● | ● |
| 4 A 250 V AC 1/10 HP | | | ● | ● | ● |
| Connection type | ⏏ | | ⏏ | ⏏ | ⏏ |
| Connection description | 6.3 | | 4.8 | 6.3 | 4.8 |
| Contact distance in mm | ≥ 3 | | ≥ 3 | ≥ 3 | ≥ 3 |
| Contact material | Ag | | Ag | Ag | Ag |
| EN 60335 cap. 30 conform "G" | | | | | |
| Miscellaneous | | | | | low lying flange |
| Stock version | ● | | | ● | |



SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES


TO 20 (4) A 250 V AC

|  | | ON/OFF switch (DPST) | | | | | | | | Switch (DPDT) | | ON/OFF switch (DPST) | | | | |
|---|--|--|-----------|-----------|-----------|-----------|-----------------------|--|-----------|------------------|--|----------------------|-------------|-----------|-----------------------|-----------|
| | | 1835.3419 | 1835.3111 | 1835.3112 | 1835.3114 | 1835.3118 | 1835.3418 | 1835.9413 | 1835.1115 | 1835.7108 | | 1835.3802 | 1835.3116 | 1835.3107 | 1832.1612 | 1832.3311 |
| Voltage lamp in V | | 400 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | | 230 | 115 -230 | 12 | | |
| Actuator color / printing | | | | | | | | | | | | | | | | |
| Housing color | | black | black | black | black | black | black | black | black | black | | black | black | black | black | black |
| 20 (4) A 250 V AC 1E4 | | • | • | • | • | • | • | • | | | | | • | | • | • |
| 16 (4) A 250 V AC 1E4 | | | | | | | | | | | | | | | | |
| 10 (8) A 250 V AC 5E4 | | • | • | • | • | • | • | • | | | | | • | | • | • |
| 10 (4) A 250 V AC 1E4 | | | | | | | | | • | • | | • | | | | |
| 10 A 12 V DC | | | | | | | | | | | | | | • | | |
| 6 (4) A 250 V AC 5E4 | | | | | | | | | • | • | | • | | | | |
| 6 (4) A 250 V AC 1E4 | | | | | | | | | | | | | | | | |
| 6 (4) A 250 V AC | | | | | | | | | | | | | | | | |
| 4 (2) A 250 V AC 1E4 | | | | | | | | | | | | | | | | |
| 30 mA 12 V DC | | | | | | | | | | | | | | | | |
| 16 A 250 V AC 1 HP | | • | • | • | • | • | • | • | | | | | • | | • | • |
| 16 A 125 V AC 1 HP | | | | | | | | | | | | | | | | |
| 16 A 250 V AC 1/2 HP | | | | | | | | | | | | | | | | |
| 16 A 125 V AC 1/3 HP | | | | | | | | | | | | | | | • | • |
| 16 A 125 V AC 1/4 HP | | | | | | | | | | | | | | | | |
| 6 A 250 V AC 1/2 HP | | | | | | | | | • | • | | • | | | | |
| 6 A 125 V AC 1/4 HP | | | | | | | | | | | | | | | | |
| 6 A 125 - 250 V AC 1/8 HP | | | | | | | | | | | | | | | | |
| 6 A 125 V AC 1/10 HP | | | | | | | | | | | | | | | | |
| 4 A 250 V AC 1/10 HP | | | | | | | | | | | | | | | | |
| Connection type | | | | | | | | | | | | | | | | |
| Connection description | | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 4.8 | 4.8 | 4.8 | | 6.3 | 6.3 | 6.3 | 4.8 | 6.3 |
| Contact distance in mm | | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 |
| Contact material | | Ag | Ag | Ag | Ag | Ag | Ag | Ag | Ag | Ag | | Ag | Ag | Ag | Ag | Ag |
| EN 60335 cap. 30 conform "G" | | | | | | | | | | | | | | | | |
| Miscellaneous | | 10 (8) 400 V AC 5E4 cover frame 33.2 long | | | | | cover frame 33.2 long | PCB holder 248.103.011 mounted low lying flange | | low lying flange | | | | | cover frame 33.2 long | |
| Stock version | | | • | • | • | • | | • | | | | | | • | | • |

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TO 20 (4) A 250 V AC

|  | | ON/OFF switch (DPST) | | | | | | | | | | Normally open contact (DPNO) | | Switch (DPDT) | |
|---|--|----------------------|-----------|----------------------|-----------------------|------------------|------------------|------------------|------------------|-----------------------|------------------|------------------------------|-----------|------------------|-----------|
| | | 1832.3312 | 1832.3313 | 1832.3508 | 1832.3602 | 1832.6112 | 1832.7103 | 1832.8112 | 1832.9103 | 1832.0113 | 1832.1102 | 1832.9101 | 1832.3407 | 1832.8204 | 1834.3311 |
| Voltage lamp in V | | | | | | | | | | | | | | | |
| Actuator color / printing | | ⊖ | ⊖ | ⊖ | ⊖ | ⊖ | ⊖ | ⊖ | ⊖ | ⊖ | ⊖ | ⊖ | ⊖ | ⊖ | ⊖ |
| Housing color | | ⬛ | ⬛ | ⬛ | ⬛ | ⬛ | ⬛ | ⬛ | ⬛ | ⬛ | ⬛ | ⬛ | ⬛ | ⬛ | ⬛ |
| 20 (4) A 250 V AC 1E4 | | • | • | • | • | • | • | • | • | | | | | | |
| 16 (4) A 250 V AC 1E4 | | | | | | | | | | • | | | | | • |
| 10 (8) A 250 V AC 5E4 | | • | • | • | • | • | • | • | | | | | | | |
| 10 (4) A 250 V AC 1E4 | | | | | | | | | | | • | • | | | |
| 10 A 12 V DC | | | | | | | | | | | | | | | |
| 6 (4) A 250 V AC 5E4 | | | | | | | | | | | • | • | | | |
| 6 (4) A 250 V AC 1E4 | | | | | | | | | | | | | | | |
| 6 (4) A 250 V AC | | | | | | | | | | | | | | | |
| 4 (2) A 250 V AC 1E4 | | | | | | | | | | | | | • | • | |
| 30 mA 12 V DC | | | | | | | | | | | | | | | |
| 16 A 250 V AC 1 HP | | • | • | • | • | • | • | • | | | | | | | |
| 16 A 125 V AC 1 HP | | | | | | | | | • | | | | | | |
| 16 A 250 V AC 1/2 HP | | | | | | | | | | • | | | | | • |
| 16 A 125 V AC 1/3 HP | | • | • | • | • | • | • | • | | | | | | | • |
| 16 A 125 V AC 1/4 HP | | | | | | | | | | • | | | | | • |
| 6 A 250 V AC 1/2 HP | | | | | | | | | | | • | • | | | |
| 6 A 125 V AC 1/4 HP | | | | | | | | | | | • | • | | | |
| 6 A 125 - 250 V AC 1/8 HP | | | | | | | | | | | | | | | |
| 6 A 125 V AC 1/10 HP | | | | | | | | | | | | | • | • | |
| 4 A 250 V AC 1/10 HP | | | | | | | | | | | | | • | • | |
| Connection type | | ⊖ | ⊖ | ⊖ | ⊖ | ⊖ | ⊖ | ⊖ | ⊖ | ⊖ | ⊖ | ⊖ | ⊖ | ⊖ | ⊖ |
| Connection description | | 6.3 | 6.3 | 6.3 | 6.3 | 4.8 | 6.3 | 6.3 | 6.3 | 4.8 | 4.8 | 6.3 | 6.3 | 6.3 | 6.3 |
| Contact distance in mm | | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 |
| Contact material | | Ag | Ag | Ag | Ag | Ag | Ag | Ag | Ag | Ag | Ag | Ag | Ag | Ag | Ag |
| EN 60335 cap. 30 conform "G" | | | • | | | | | | | | | | | | |
| Miscellaneous | | | | single-pole occupied | cover frame 33.2 long | low lying flange | low lying flange | low lying flange | low lying flange | dust protection inlay | low lying flange | | | low lying flange | |
| Stock version | | • | | | • | | | • | | | • | | • | | |

SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES


TO 20 (4) A 250 V AC

|  | | Switch (DPDT) | 1834.3312 | 1834.1102 | 1834.1103 | 1834.3309 | 1834.3603 | 1834.6103 | 1839.1402 | 1839.1407 | 1839.1410 | 1839.1502 | 1839.1509 | 1839.1518 | 1839.1602 | 1839.2203 | 1839.3502 | 1839.3503 |
|---|--|---------------|-----------|-----------|-----------|-----------|-----------------------|------------------|-------------------------------|-------------------------------|--|-----------|-----------------------|-----------------------------|-----------------------------|-----------|-----------|-----------|
| Voltage lamp in V | | | | | | | | | | | | | | | | | | |
| Actuator color / printing | | | | | | | | | | | | | | | | | | |
| Housing color | | | | | | | | | | | | | | | | | | |
| 20 (4) A 250 V AC 1E4 | | | | | | | | | | | | | | | | | | |
| 16 (4) A 250 V AC 1E4 | | | ● | | | | | | | | | | | | | | | |
| 10 (8) A 250 V AC 5E4 | | | | | | | | | | | | | | | | | | |
| 10 (4) A 250 V AC 1E4 | | | | ● | ● | ● | ● | ● | | | | | | | | | | |
| 10 A 12 V DC | | | | | | | | | | | | | | | | | | |
| 6 (4) A 250 V AC 5E4 | | | | ● | ● | ● | ● | ● | | | | | | | | | | |
| 6 (4) A 250 V AC 1E4 | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 6 (4) A 250 V AC | | | | | | | | | | | | | | | | | | |
| 4 (2) A 250 V AC 1E4 | | | | | | | | | | | | | | | | | | |
| 30 mA 12 V DC | | | | | | | | | | | | | | | | | | |
| 16 A 250 V AC 1 HP | | | | | | | | | | | | | | | | | | |
| 16 A 125 V AC 1 HP | | | | | | | | | | | | | | | | | | |
| 16 A 250 V AC 1/2 HP | | | ● | | | | | | | | | | | | | | | |
| 16 A 125 V AC 1/3 HP | | | | | | | | | | | | | | | | | | |
| 16 A 125 V AC 1/4 HP | | | ● | | | | | | | | | | | | | | | |
| 6 A 250 V AC 1/2 HP | | | | ● | ● | ● | ● | ● | | | | | | | | | | |
| 6 A 125 V AC 1/4 HP | | | | ● | ● | ● | ● | ● | | | | | | | | | | |
| 6 A 125 - 250 V AC 1/8 HP | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 6 A 125 V AC 1/10 HP | | | | | | | | | | | | | | | | | | |
| 4 A 250 V AC 1/10 HP | | | | | | | | | | | | | | | | | | |
| Connection type | | | | | | | | | | | | | | | | | | |
| Connection description | | | 6.3 | 4.8 | 4.8 | 6.3 | 6.3 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 6.3 | 6.3 |
| Contact distance in mm | | | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 |
| Contact material | | | Ag | Ag | Ag | Ag | Ag | Ag | Ag | Ag | Ag | Ag | Ag | Ag | Ag | Ag | Ag | Ag |
| EN 60335 cap. 30 conform "G" | | | | | | | ● | | | | | | | | | | | |
| Miscellaneous | | | | | | | cover frame 33.2 long | low lying flange | momentary function both sides | momentary function both sides | momentary function both sides dust protection inlay | | dust protection inlay | momentary function one side | momentary function one side | | | |
| Stock version | | | ● | ● | | ● | | | ● | ● | | ● | ● | | | | ● | |

ROCKER SWITCHES
PUSHBUTTON SWITCHES
TOGGLE SWITCHES
SLIDE SWITCHES
ROTARY SWITCHES
FOOT SWITCHES
POWER TOOL SWITCHES
TACT AND KEY SWITCHES
SNAP-ACTION SWITCHES
MICRO-SIGNAL SWITCHES
SENSORS

















SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 20 (4) A 250 V AC

|  | | Switch (DPDT) | 1839.3602 | 1839.7304 | 1839.3352 | 1839.0105 | 1839.3412 | 1839.3512 | 1834.3402 | 1834.3504 |
|---|--|---------------|-----------------------------|--|-----------------------|-----------------------|-------------------------------|-----------|-----------|----------------------|
| Voltage lamp in V | | | | | | | | | | |
| Actuator color / printing | | | | | | | | | | |
| Housing color | | | | | | | | | | |
| 20 (4) A 250 V AC 1E4 | | | | | | | | | | |
| 16 (4) A 250 V AC 1E4 | | | | | | | ● | ● | | |
| 10 (8) A 250 V AC 5E4 | | | | | | | | | | |
| 10 (4) A 250 V AC 1E4 | | | | | | | | | | |
| 10 A 12 V DC | | | | | | | | | | |
| 6 (4) A 250 V AC 5E4 | | | | | | | | | | |
| 6 (4) A 250 V AC 1E4 | | | ● | ● | | | | | | |
| 6 (4) A 250 V AC | | | | | | | | | | |
| 4 (2) A 250 V AC 1E4 | | | | | | | | | ● | ● |
| 30 mA 12 V DC | | | | | ● | | | | | |
| 16 A 250 V AC 1 HP | | | | | | | | | | |
| 16 A 125 V AC 1 HP | | | | | | | | | | |
| 16 A 250 V AC 1/2 HP | | | | | | | ● | ● | | |
| 16 A 125 V AC 1/3 HP | | | | | | | ● | ● | | |
| 16 A 125 V AC 1/4 HP | | | | | | | | | | |
| 6 A 250 V AC 1/2 HP | | | | | | | | | | |
| 6 A 125 V AC 1/4 HP | | | | | | | | | | |
| 6 A 125 - 250 V AC 1/8 HP | | | ● | ● | | | | | | |
| 6 A 125 V AC 1/10 HP | | | | | | | | | ● | ● |
| 4 A 250 V AC 1/10 HP | | | | | | | | | ● | ● |
| Connection type | | | | | | | | | | |
| Connection description | | | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 |
| Contact distance in mm | | | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 |
| Contact material | | | Ag | Ag | Au | Ag | Ag | Ag | Ag | Ag |
| EN 60335 cap. 30 conform "G" | | | | | | | | | | |
| Miscellaneous | | | momentary function one side | momentary function one side dust protection inlay, low lying flange | cover frame 33.2 long | dust protection inlay | momentary function both sides | | | single-pole occupied |
| Stock version | | | ● | | | | ● | ● | ● | |

SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 20 (4) A 250 V AC

| Lamp | Lamp | | | | |
|---|---|---|---|---|---|
| | 1837.1118 | 1837.2504 | 1837.3102 | 1837.8102 | 1837.8108 |
|  | | | | | |
| Voltage lamp in V | 230 | 230 | 230 | 230 | 230 |
| Actuator color / printing |  |  |  |  |  |
| Housing color |  |  |  |  |  |
| 20 (4) A 250 V AC 1E4 | | | | | |
| 16 (4) A 250 V AC 1E4 | | | | | |
| 10 (8) A 250 V AC 5E4 | | | | | |
| 10 (4) A 250 V AC 1E4 | | | | | |
| 10 A 12 V DC | | | | | |
| 6 (4) A 250 V AC 5E4 | | | | | |
| 6 (4) A 250 V AC 1E4 | | | | | |
| 6 (4) A 250 V AC | | | | | |
| 4 (2) A 250 V AC 1E4 | | | | | |
| 30 mA 12 V DC | | | | | |
| 16 A 250 V AC 1 HP | | | | | |
| 16 A 125 V AC 1 HP | | | | | |
| 16 A 250 V AC 1/2 HP | | | | | |
| 16 A 125 V AC 1/3 HP | | | | | |
| 16 A 125 V AC 1/4 HP | | | | | |
| 6 A 250 V AC 1/2 HP | | | | | |
| 6 A 125 V AC 1/4 HP | | | | | |
| 6 A 125 - 250 V AC 1/8 HP | | | | | |
| 6 A 125 V AC 1/10 HP | | | | | |
| 4 A 250 V AC 1/10 HP | | | | | |
| Connection type |  |  |  |  |  |
| Connection description | 4.8 | | 6.3 | 6.3 | 6.3 |
| Contact distance in mm | | | | | |
| Contact material | | | | | |
| EN 60335 cap. 30 conform "G" | | | | | |
| Miscellaneous | | low lying flange | | size basic type 1835 | size basic type 1835 |
| Stock version | ● | | ● | ● | ● |

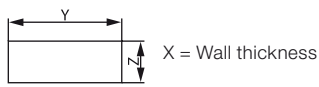
ROCKER SWITCHES
PUSHBUTTON SWITCHES
TOGGLE SWITCHES
SLIDE SWITCHES
ROTARY SWITCHES
FOOT SWITCHES
POWER TOOL SWITCHES
TACT AND KEY SWITCHES
SNAP-ACTION SWITCHES
MICRO-SIGNAL SWITCHES
SENSORS

SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

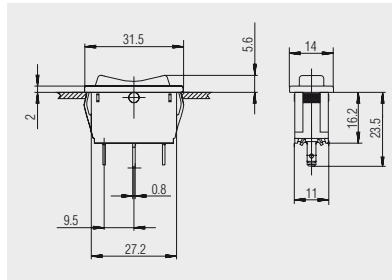
TO 20 (4) A 250 V AC



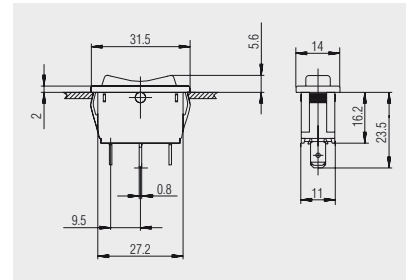
Basic types 1830, 1831, 1833 and 1838
single-pole
illuminated / non-illuminated



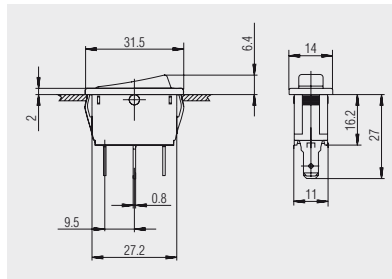
| X | Y | Z |
|---------------|----------------------|--------------------|
| 0.75 ... 1.25 | 30 ^{-0.1} | 11 ^{+0.1} |
| 1.25 ... 2 | 30.2 ^{-0.1} | 11 ^{+0.1} |
| 2 ... 3 | 30.6 ^{-0.1} | 11 ^{+0.1} |



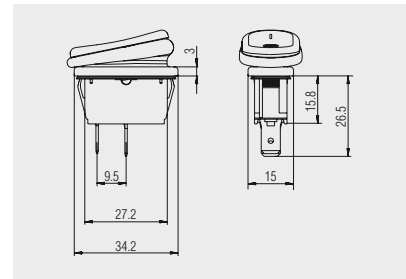
Quick-connect terminal 2.8
1838.4307



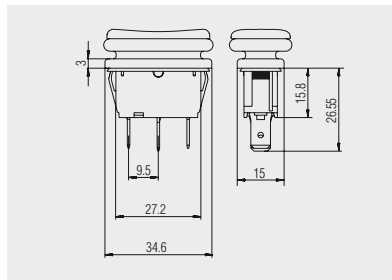
Quick-connect terminal 4.8
basic type 1838



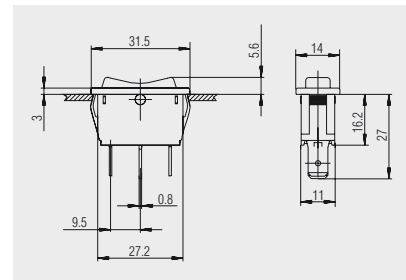
Quick-connect terminal 4.8
basic types 1830, 1831 and 1833



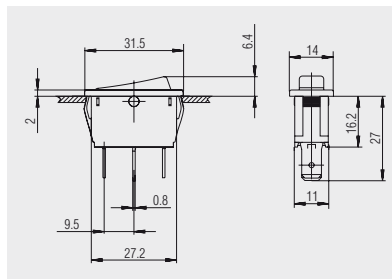
Quick-connect terminal 6.3
1831.3815



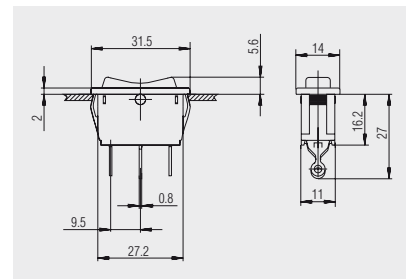
Quick-connect terminal 6.3
1838.3901



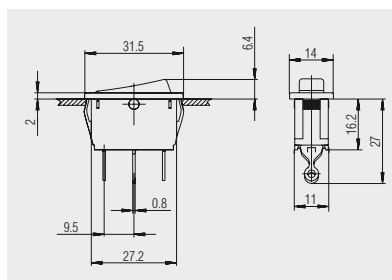
Quick-connect terminal 6.3
basic type 1838



Quick-connect terminal 6.3
basic types 1831 and 1833



Solder terminal
basic type 1838



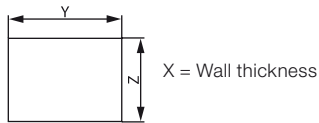
Solder terminal
basic types 1830 and 1831

SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

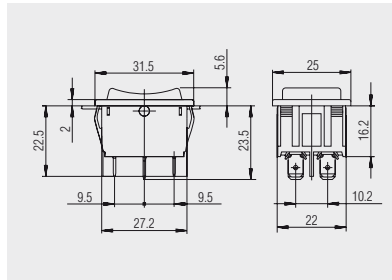
TO 20 (4) A 250 V AC



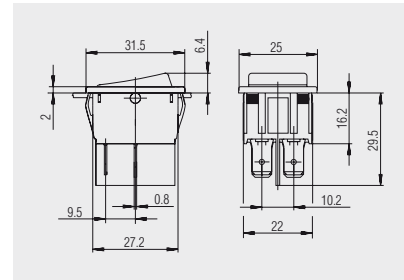
Basic types 1832, 1834, 1835 and 1839
double-pole
illuminated / non-illuminated



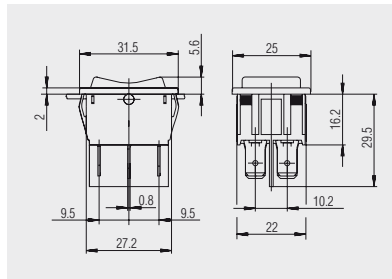
| X | Y | Z |
|---------------|----------------------|--------------------|
| 0.75 ... 1.25 | 30 ^{-0.1} | 22 ^{+0.2} |
| 1.25 ... 2 | 30.2 ^{-0.1} | 22 ^{+0.2} |
| 2 ... 3 | 30.6 ^{-0.1} | 22 ^{+0.2} |



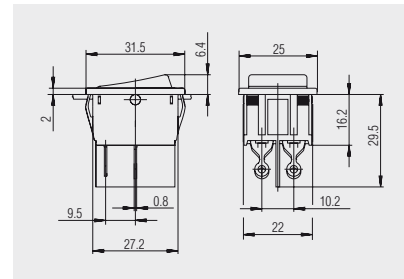
Quick-connect terminal 4.8
basic type 1839



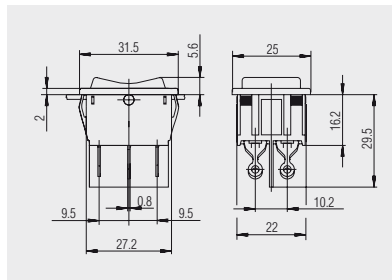
Quick-connect terminal 6.3 / 4.8
basic types 1832, 1834 and 1835



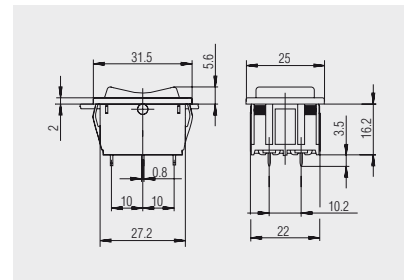
Quick-connect terminal 6.3
basic type 1839



Solder terminal
basic type 1832



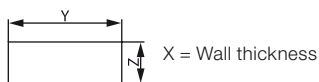
Solder terminal
basic type 1839



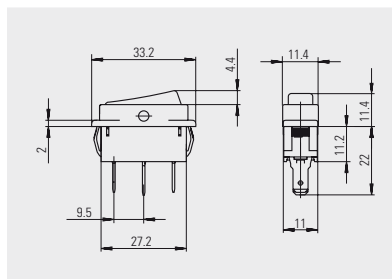
PCB terminal
basic type 1839



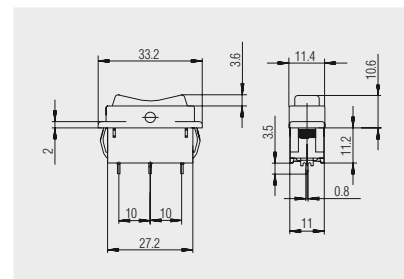
Basic types 1830, 1831, 1833 and 1838
single-pole, lower lying flange
illuminated / non-illuminated



| X | Y | Z |
|---------------|----------------------|--------------------|
| 0.75 ... 1.25 | 30 ^{-0.1} | 11 ^{+0.1} |
| 1.25 ... 2 | 30.2 ^{-0.1} | 11 ^{+0.1} |
| 2 ... 3 | 30.6 ^{-0.1} | 11 ^{+0.1} |



Quick-connect terminal 4.8
basic types 1830, 1831 and 1833



PCB terminal
basic type 1838

ROCKER SWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

SLIDE SWITCHES

ROTARY SWITCHES

FOOT SWITCHES

POWER TOOL SWITCHES

TACT AND KEY SWITCHES

SNAP-ACTION SWITCHES

MICRO-SIGNAL SWITCHES

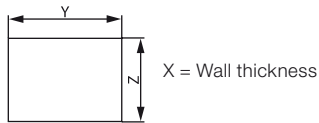
SENSORS

SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

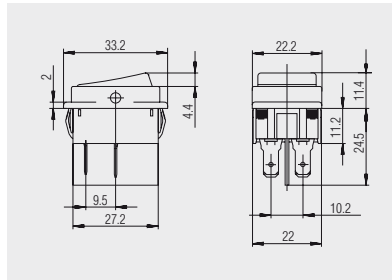
TO 20 (4) A 250 V AC



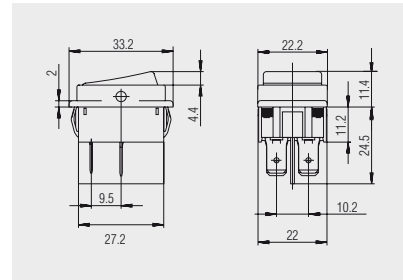
Basic types 1832, 1834, 1835 and 1839
double-pole, lower lying flange illuminated / non-illuminated



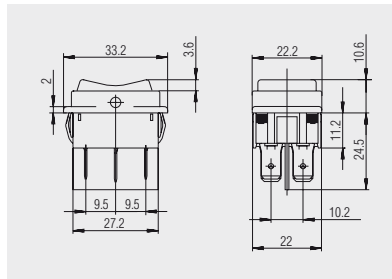
| X | Y | Z |
|---------------|----------------------|--------------------|
| 0.75 ... 1.25 | 30 ^{-0.1} | 22 ^{+0.2} |
| 1.25 ... 2 | 30.2 ^{-0.1} | 22 ^{+0.2} |
| 2 ... 3 | 30.6 ^{-0.1} | 22 ^{+0.2} |



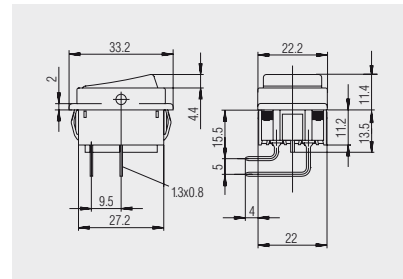
Quick-connect terminal 4.8
basic types 1832 and 1834



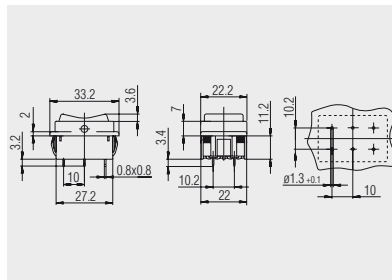
Quick-connect terminal 6.3
basic type 1832



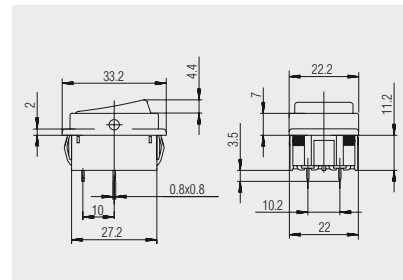
Quick-connect terminal 6.3
basic type 1839



PCB terminal angled
basic types 1832 and 1835



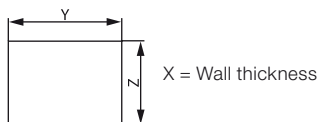
PCB terminal
basic type 1839



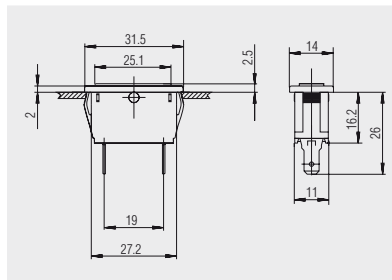
PCB terminal
basic types 1832 and 1835



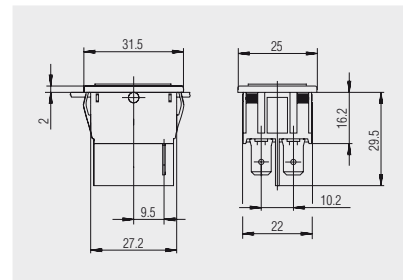
Basic type 1837
Lamp
single and double-pole



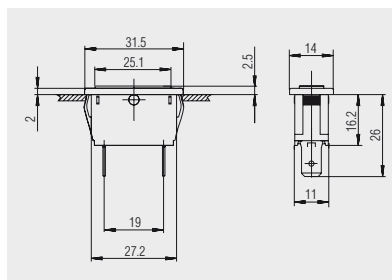
| X | Y | Z |
|---------------|----------------------|--------------------|
| 0.75 ... 1.25 | 30 ^{-0.1} | 22 ^{+0.1} |
| 1.25 ... 2 | 30.2 ^{-0.1} | 22 ^{+0.1} |
| 2 ... 3 | 30.6 ^{-0.1} | 22 ^{+0.1} |



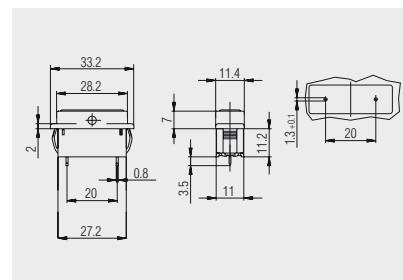
Quick-connect terminal 4.8
single-pole size



Quick-connect terminal 6.3
double-pole size



Quick-connect terminal 6.3
single-pole size



PCB terminal, lower lying flange, 1837.2504

ROCKER SWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

SLIDE SWITCHES

ROTARY SWITCHES

FOOT SWITCHES

POWER TOOL SWITCHES

TACT AND KEY SWITCHES

SNAP-ACTION SWITCHES

MICRO-SIGNAL SWITCHES

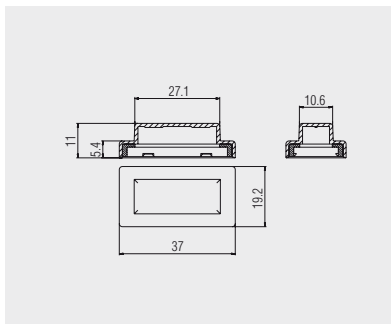
SENSORS

SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 20 (4) A 250 V AC



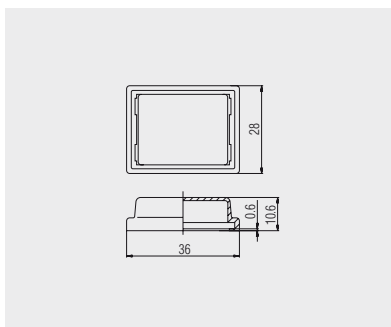
Protection cap
203.731.011



Transparent PVC-protection cap for single-pole switches of basic types 1830, 1831, 1833 and 1838. Serves as dust and water protection of the actuation side.



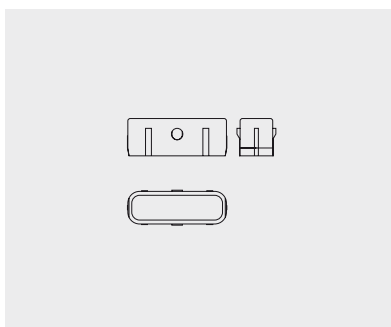
Protection cap
203.201.011



Transparent PVC-protection cap for double-pole switches of basic types 1832, 1834, 1835 and 1839 with frame length 33.2 mm. Serves as dust and water protection of the actuation side.



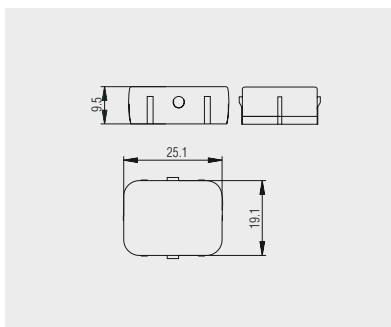
Dummy cap
203.146.051



Dummy cap for single-pole size of basic types 1830, 1831, 1833, 1837 and 1838 of PA black



Dummy cap
203.145.051



Dummy cap for double-pole size of basic types 1832, 1834, 1835, 1837 and 1839 of PA black

ROCKER SWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

SLIDE SWITCHES

ROTARY SWITCHES

FOOT SWITCHES

POWER TOOL SWITCHES

TACT AND KEY SWITCHES

SNAP-ACTION SWITCHES

MICRO-SIGNAL SWITCHES

SENSORS