



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
- Large variety
- Variants with IP 67 or dust protection insert
- Two housing variants
- 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 and basic type 1834) |
| 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 / IP 67 (product-dependent) |
| Ambient temperature | terminal side -20 °C ... +105 °C / ... +85 °C / ... +100 °C (product-dependent) actuating side -20 °C ... +55 °C |
| Flammability | UL 94 V-2 UL 94 V-0 (product-dependent) |
| Glow wire test temperature | 850 °C |
| Material actuator housing terminals | PA / PC (product-dependent) PA silver plated / tinned (product-dependent) |
| 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) | | | | | | | | | | | | | |
|--|--|------------------------|-----------|-----------|-----------|-----------|-----------|---------------------------------|---------------------------------|--|--|-----------|--------------------|-----------|-----------|
| | | 1830.3112 | 1830.3118 | 1830.0102 | 1831.0114 | 1831.3312 | 1831.3313 | 1831.3606 | 1831.3607 | 1831.3815 | 1831.3816 | 1831.3933 | 1831.8112 | 1831.3311 | 1831.1107 |
| Lighting voltage (V) | | 230 | 230 | 230 | | | | | | | | | | | |
| Actuator color / printing | | | | | | | | | | | | | | | |
| Housing color | | | | | | | | | | | | | | | |
| 20 (4) A 250 V AC 1E4 | | ○ | ○ | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | | |
| 20 (4) A 250 V AC | | | | | | | | | | | | | | ○ | |
| 16 (4) A 250 V AC 1E4 | | | | | | | | | | | | | | | |
| 10 (8) A 400 V AC 5E4 | | | | | | | | | | | | | | | |
| 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 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 | | | | | | | | | | | | | | | |
| Terminal type | | | | | | | | | | | | | | | |
| Terminal description | | 6.3 | 6.3 | | | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 4.8 |
| Contact distance (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 | | | | | | | | housing with 2 separating gates | housing with 2 separating gates | 1E6 mechanical life endurance IP 67 | 1E6 mechanical life endurance IP 67 | | lower lying flange | | |
| Stock version | | ○ | ○ | | | ○ | ○ | | | | | | ○ | ○ | ○ |

ROCKERSWITCHES
 PUSHBUTTON SWITCHES
 TOGGLE SWITCHES
 SLIDE SWITCHES
 ROTARY SWITCHES
 FOOT SWITCHES
 TACT AND KEY SWITCHES
 SNAP-ACTION SWITCHES
 MICRO-SIGNAL SWITCHES
 SENSORS
 ECO
 PUSH-N-DRAW



SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 20 (4) A 250 V AC

| <div style="text-align: center;">  <p>single-pole</p> </div> | Normally open switch (SPNO) | | | | Changeover switch (SPDT) | | | Changeover switch with OFF position in the center (SPDT - Center OFF) | | | | | |
|---|-----------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---|-------------------------------|--------------------------|--------------------------|--------------------------|-----------------------------|
| | 1831.1202 | 1831.3402 | 1831.8202 | 1831.1253 | 1833.3312 | 1833.1102 | 1833.3307 | 1838.0305 | 1838.3901 | 1838.1402 | 1838.1502 | 1838.1509 | 1838.1602 |
| Lighting voltage (V) | | | | | | | | | | | | | |
| Actuator color / printing | | | | | | | | | | | | | |
| Housing color | | | | | | | | | | | | | |
| 20 (4) A 250 V AC 1E4 | | | | | | | | | | | | | |
| 20 (4) A 250 V AC | | | | | | | | | | | | | |
| 16 (4) A 250 V AC 1E4 | | | | | <input type="checkbox"/> | | | <input type="checkbox"/> | <input type="checkbox"/> | | | | |
| 10 (8) A 400 V AC 5E4 | | | | | | | | | | | | | |
| 10 (8) A 250 V AC 5E4 | | | | | | | | | | | | | |
| 10 (4) A 250 V AC 1E4 | | | | | | | <input type="checkbox"/> | | | | | | |
| 10 A 12 V DC | | | | | | | | | | | | | |
| 6 (4) A 250 V AC 5E4 | | | | | | | <input type="checkbox"/> | | | | | | |
| 6 (4) A 250 V AC 1E4 | | | | | | | | | | <input type="checkbox"/> | | | |
| 6 (4) A 250 V AC | | | | | | | | | | | <input type="checkbox"/> | | |
| 4 (2) A 250 V AC 1E4 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | | | | | | | | |
| 30 mA 12 V DC | | | | <input type="checkbox"/> | | | | | | | | | |
| 16 A 250 V AC 1 HP | | | | | | <input type="checkbox"/> | | | <input type="checkbox"/> | | | | |
| 16 A 250 V AC 1/2 HP | | | | | | | | | | <input type="checkbox"/> | | | |
| 16 A 125 V AC 1/3 HP | | | | | | <input type="checkbox"/> | | | | | | | |
| 16 A 125 V AC 1/4 HP | | | | | | | | | | | | | |
| 6 A 250 V AC 1/2 HP | | | | | | | <input type="checkbox"/> | | | | | | |
| 6 A 125 V AC 1/4 HP | | | | | | | | | | | <input type="checkbox"/> | | |
| 6 A 125 - 250 V AC 1/8 HP | | | | | | | | | | <input type="checkbox"/> | | <input type="checkbox"/> | |
| 6 A 125 V AC 1/10 HP | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | | | | | | | | |
| 4 A 250 V AC 1/10 HP | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | | | | | | | | |
| Terminal type | | | | | | | | | | | | | |
| Terminal description | 4.8 | 6.3 | 6.3 | 4.8 | 6.3 | 4.8 | 6.3 | | 6.3 | 4.8 | 4.8 | 4.8 | 4.8 |
| Contact distance (mm) | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 |
| Contact material | Ag | Ag | Ag | Au | Ag | Ag | Ag | Ag | Ag | Ag | Ag | Ag | Ag |
| EN 60335 cap. 30 conform "G" | | | | | | | <input type="checkbox"/> | | | | | | |
| Miscellaneous | | | lower lying flange | | | | | | momentary function both sides | | | | momentary function one side |
| Stock version | <input type="checkbox"/> | <input type="checkbox"/> | | | | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

ROCKERSWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

SLIDE SWITCHES

ROTARY SWITCHES

FOOT SWITCHES

TACT AND KEY SWITCHES

SWAP-ACTION SWITCHES

MIKRO-SIGNALSCHALTER

SENSORS

















ECO

PUSH'DRIVE



SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 20 (4) A 250 V AC


| single-pole | | Changeover switch with OFF position in the center (SPDT - Center OFF) | | | | Changeover switch (SPDT momentary) | | |
|------------------------------|---|---|---|---|---|---|---|---|
| | | 1838.4307 | 1838.8302 | 1838.3402 | 1838.3502 | 1835.3902 | 1833.1202 | 1833.3402 |
| Lighting voltage (V) | | | | | | 230 | | |
| Actuator color / printing |   |  |  |  |  |  |  |  |
| Housing color | | | | | | | | |
| 20 (4) A 250 V AC 1E4 | | | | | | | | |
| 20 (4) A 250 V AC | | | | | | | | |
| 16 (4) A 250 V AC 1E4 | | | | | | | | |
| 10 (8) A 400 V AC 5E4 | | | | | | | | |
| 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 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 | | | | | | ○ | ○ | ○ |
| Terminal type | |  |  |  |  |  |  |  |
| Terminal description | | 2.8 | 6.3 | 6.3 | 6.3 | 6.3 | 4.8 | 6.3 |
| Contact distance (mm) | | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 |
| Contact material | | Ag | Ag | Ag | Ag | Ag | Ag | Ag |
| EN 60335 cap. 30 conform "G" | | | | | | | | |
| Miscellaneous | | momentary function one side | momentary function both sides lower lying flange | momentary function both sides | | external lamp connection two-pole size | | |
| Stock version | | | | ○ | ○ | | | |

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SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES


TO 20 (4) A 250 V AC

|  double-pole | | ON / OFF switch (DPST) | | | | | | | | | | | | | | |
|--|--|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Lighting voltage (V) | | 1835.3419 | 1835.3111 | 1835.3112 | 1835.3114 | 1835.3118 | 1835.9413 | 1835.3102 | 1835.3105 | 1835.3108 | 1835.3116 | 1835.3107 | 1832.1612 | 1832.3311 | 1832.3312 | 1832.3313 |
| Actuator color / printing | | | | | | | | | | | | | | | | |
| Housing color | | | | | | | | | | | | | | | | |
| 20 (4) A 250 V AC 1E4 | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | | | <input type="radio"/> | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 20 (4) A 250 V AC | | | | | | | | | | | | | | | | |
| 16 (4) A 250 V AC 1E4 | | | | | | | | | | | | | | | | |
| 10 (8) A 400 V AC 5E4 | | <input type="radio"/> | | | | | | | | | | | | | | |
| 10 (8) A 250 V AC 5E4 | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | | | <input type="radio"/> | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 10 (4) A 250 V AC 1E4 | | | | | | | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | | | | | |
| 10 A 12 V DC | | | | | | | | | | | | <input type="radio"/> | | | | |
| 6 (4) A 250 V AC 5E4 | | | | | | | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | | | | | |
| 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 | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | | | <input type="radio"/> | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 16 A 250 V AC 1/2 HP | | | | | | | | | | | | | | | | |
| 16 A 125 V AC 1/3 HP | | | | | | | | | | | | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 16 A 125 V AC 1/4 HP | | | | | | | | | | | | | | | | |
| 6 A 250 V AC 1/2 HP | | | | | | | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | | | | | |
| 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 | | | | | | | | | | | | | | | | |
| Terminal type | | | | | | | | | | | | | | | | |
| Terminal description | | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 4.8 | 6.3 | 6.3 | 6.3 |
| Contact distance (mm) | | ≥ 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 |
| EN 60335 cap. 30 conform "G" | | | | | | | | | | | | | | | | <input type="radio"/> |
| Miscellaneous | | cover frame 33.2 long | | | | | PCB holder 248.103.011 mounted lower lying flange | | | | | | cover frame 33.2 long | | | |
| Stock version | | | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | | | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |



SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 20 (4) A 250 V AC

|  double-pole | | ON / OFF switch (DPST) | | | | | | | | Normally open contact (DPNO) | | Changeover switch (DPDT) | | | | | | | | | | | | | | | | | | | |
|--|---------------------------|------------------------|-----------------------|-------------------|-----------------------|-----------------------|-----------------------|-----------------------|--------------|------------------------------|----------------------|--------------------------|----------------------|---------------|--------------------|----------------------|----------------------|----------------------|---------------------|---------------------|---------------------------|----------------------|----------------------|---------------|----------------------|-----------------------|------------------|------------------------------|---------------|-----------------------|---|
| Lighting voltage (V) | Actuator color / printing | Housing color | 20 (4) A 250 V AC 1E4 | 20 (4) A 250 V AC | 16 (4) A 250 V AC 1E4 | 10 (8) A 400 V AC 5E4 | 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 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 | Terminal type | Terminal description | Contact distance (mm) | Contact material | EN 60335 cap. 30 conform "G" | Miscellaneous | Stock version | |
| | | | ○ | ○ | ○ | ○ | ○ | ○ | | | | | | | ○ | | ○ | | | | | | | | ⏏ | 6.3 | ≥ 3 | Ag | | cover frame 33.2 long | |
| | | | | | | | | | | | | | | | | | | | | | | | | | ⏏ | 4.8 | ≥ 3 | Ag | | lower lying flange | |
| | | | | | | | | | | | | | | | | | | | | | | | | | ⏏ | 6.3 | ≥ 3 | Ag | | lower lying flange | |
| | | | | | | | | | | | | | | | | | | | | | | | | | ⏏ | 6.3 | ≥ 3 | Ag | | lower lying flange | |
| | | | | | | | | | | | | | | | | | | | | | | | | | ⏏ | 4.8 | ≥ 3 | Ag | | lower lying flange | ○ |
| | | | | | | | | | | | | | | | | | | | | | | | | | ⏏ | 6.3 | ≥ 3 | Ag | | dust protection inlay | ○ |
| | | | | | | | | | | | | | | | | | | | | | | | | | ⏏ | 6.3 | ≥ 3 | Ag | | lower lying flange | ○ |
| | | | | | | | | | | | | | | | | | | | | | | | | | ⏏ | 6.3 | ≥ 3 | Ag | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | ⏏ | 6.3 | ≥ 3 | Ag | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | ⏏ | 6.3 | ≥ 3 | Ag | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | ⏏ | 6.3 | ≥ 3 | Ag | | | |

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PUSH'DRIVE

|  double-pole | | Changeover switch (DPDT) | | | | | Changeover switch with OFF position in the center (DPDT - Center OFF) | | | | | | | | | |
|--|--|--------------------------|-----------|-----------|-----------------------|--------------------|---|-------------------------------|-------------------------------|---|-----------|-----------|-----------------------|-----------------------------|-----------|--|
| Lighting voltage (V) | | 1834.1102 | 1834.3302 | 1834.3309 | 1834.3603 | 1834.6103 | 1839.3512 | 1839.1402 | 1839.1407 | 1839.1410 | 1839.1502 | 1839.1507 | 1839.1509 | 1839.1518 | 1839.1602 | |
| Actuator color / printing | | | | | | | | | | | | | | | | |
| Housing color | | | | | | | | | | | | | | | | |
| 20 (4) A 250 V AC 1E4 | | | | | | | | | | | | | | | | |
| 20 (4) A 250 V AC | | | | | | | | | | | | | | | | |
| 16 (4) A 250 V AC 1E4 | | | | | | | ○ | | | | | | | | | |
| 10 (8) A 400 V AC 5E4 | | | | | | | | | | | | | | | | |
| 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 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 | | | | | | | | | | | | | | | | |
| Terminal type | | | | | | | | | | | | | | | | |
| Terminal description | | 4.8 | 6.3 | 6.3 | 6.3 | 4.8 | 6.3 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | |
| Contact distance (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 | | | | | cover frame 33.2 long | lower lying flange | | momentary function both sides | momentary function both sides | dust protection inlay momentary function both sides | | | dust protection inlay | momentary function one side | | |
| Stock version | | | ○ | ○ | | | | ○ | ○ | | | ○ | | | | |



SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 20 (4) A 250 V AC

















|  double-pole | | Changeover switch with OFF position in the center (DPDT - Center OFF) | | | | | | | Changeover switch (DPDT momentary) | |
|--|---------------------------|---|-----------|-----------|-----------------------------|--|---|-----------------------|------------------------------------|--|
| Lighting voltage (V) | Actuator color / printing | 1839.3402 | 1839.3502 | 1839.3503 | 1839.3602 | 1839.7304 | 1839.3352 | 1839.0105 | 1834.3402 | |
| Housing color | | Black | Black | Grey | Black | Black with I O R | Black | Black with I O II | Black | |
| 20 (4) A 250 V AC 1E4 | | | | | | | | | | |
| 20 (4) A 250 V AC | | | | | | | | | | |
| 16 (4) A 250 V AC 1E4 | | | | | | | | | | |
| 10 (8) A 400 V AC 5E4 | | | | | | | | | | |
| 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 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 | | | | | | | | | ○ | |
| Terminal type | | | | | | | | | | |
| Terminal description | | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | 6.3 | |
| Contact distance (mm) | | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | ≥ 3 | |
| Contact material | | Ag | Ag | Ag | Ag | Ag | Au | Ag | Ag | |
| EN 60335 cap. 30 conform "G" | | | | | | | | | | |
| Miscellaneous | | momentary function both sides | | | momentary function one side | dust protection inlay momentary function one side lower lying flange | cover frame 33.2 long momentary function both sides | dust protection inlay | | |
| Stock version | | ○ | ○ | | | | | | ○ | |

ROCKERSWITCHES
 PUSHBUTTON SWITCHES
 TOGGLE SWITCHES
 SLIDE SWITCHES
 ROTARY SWITCHES
 FOOT SWITCHES
 TACT AND KEY SWITCHES
 SNAP-ACTION SWITCHES
 MICRO-SIGNAL SWITCHES
 SENSORS
 ECO
 PUSH-N-DRAW



SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 20 (4) A 250 V AC

| | Lamp | | | |
|-------------------------------------|---|---|---|---|
| | 1837.1118 | 1837.3102 | 1837.8102 | 1837.8108 |
| Lamp |  |  |  |  |
| Lighting voltage (V) | 230 | 230 | 230 | 230 |
| Actuator color / printing |  |  |  |  |
| Housing color |  |  |  |  |
| 20 (4) A 250 V AC 1E4 | | | | |
| 20 (4) A 250 V AC | | | | |
| 16 (4) A 250 V AC 1E4 | | | | |
| 10 (8) A 400 V AC 5E4 | | | | |
| 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 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 | | | | |
| Terminal type |  |  |  |  |
| Terminal description | 4.8 | 6.3 | 6.3 | 6.3 |
| Contact distance (mm) | | | | |
| Contact material | | | | |
| EN 60335 cap. 30 conform "G" | | | | |
| Miscellaneous | | | size basic type 1835 | size basic type 1835 |
| Stock version | | | | |

ROCKERSWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

SLIDE SWITCHES

ROTARY SWITCHES

FOOT SWITCHES

TACT AND KEY SWITCHES

SWAP-ACTION SWITCHES

MIKRO-SIGNALSCHALTER

SENSORS

ECO

PUSH'DRIVE

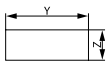


SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 20 (4) A 250 V AC

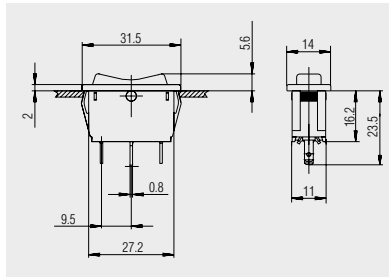


Basic types 1830, 1831,
1833 and 1838
single-pole
illuminated / non-illuminated

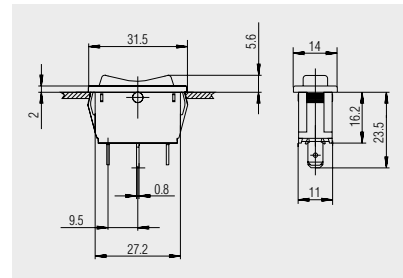


X = Wall thickness

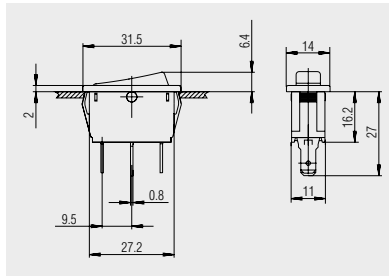
| x | y | z |
|---------------|----------------------|--------------------|
| 0.75 ... 1.25 | 30 ^{-0.1} | 11 ^{+0.1} |
| 1.25 ... 2 | 30.2 ^{-0.1} | 11 ^{+0.1} |
| 2 ... 3 | 30.6 ^{-0.1} | 11 ^{+0.1} |



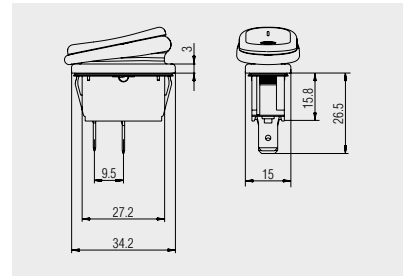
Quick-connect terminal 2.8 x 0.8
1838.4307



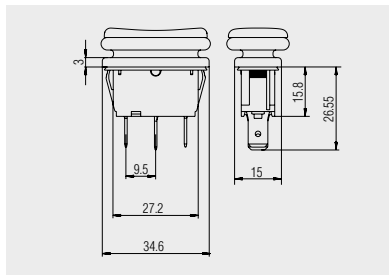
Quick-connect terminal 4.8 x 0.8
basic type 1838



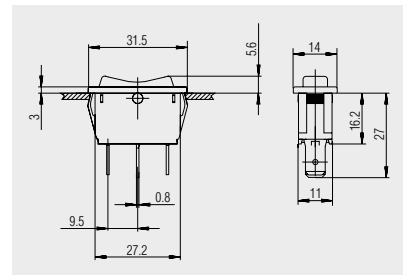
Quick-connect terminal 4.8 x 0.8
basic types 1830, 1831 and
1833



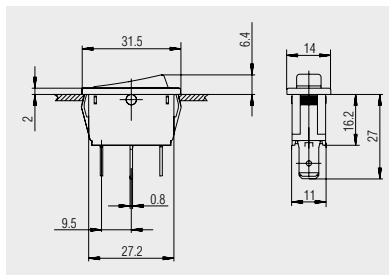
Quick-connect terminal 6.3 x 0.8
1831.3815



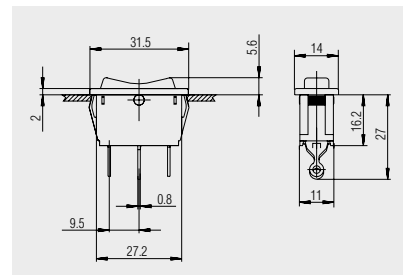
Quick-connect terminal 6.3 x 0.8
1838.3901



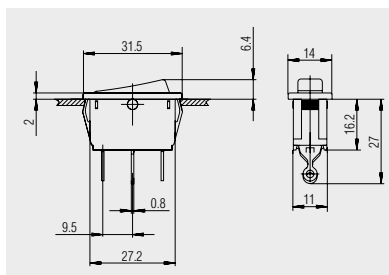
Quick-connect terminal 6.3 x 0.8
basic type 1838



Quick-connect terminal 6.3 x 0.8
basic types 1831 and 1833



Solder terminal
basic type 1838



Solder terminal
basic types 1830 and 1831

ROCKER SWITCHES
PUSHBUTTON SWITCHES
TOGGLE SWITCHES
SLIDE SWITCHES
ROTARY SWITCHES
FOOT SWITCHES
TACT AND KEY SWITCHES
SNAP-ACTION SWITCHES
MICRO-SIGNAL SWITCHES
SENSORS
ECO
PUSH-IN DRIVE

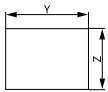


SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 20 (4) A 250 V AC

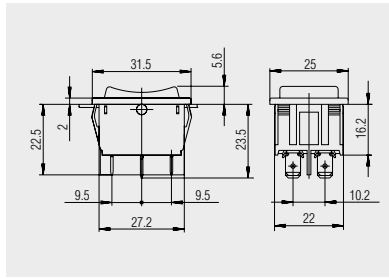


Basic types 1832, 1834, 1835 and 1839
double-pole
illuminated / non-illuminated

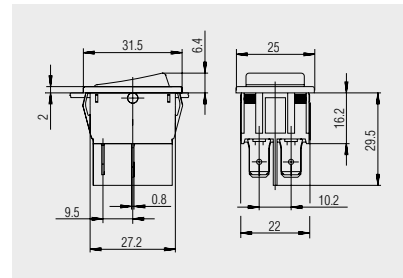


X = Wall thickness

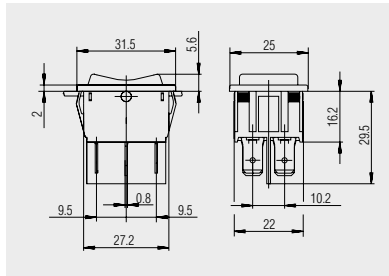
| x | y | z |
|---------------|----------------------|--------------------|
| 0.75 ... 1.25 | 30 ^{-0.1} | 22 ^{+0.2} |
| 1.25 ... 2 | 30.2 ^{-0.1} | 22 ^{+0.2} |
| 2 ... 3 | 30.6 ^{-0.1} | 22 ^{+0.2} |



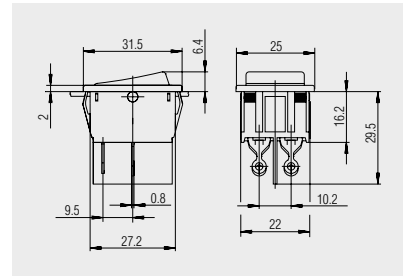
Quick-connect terminal 4.8 x 0.8



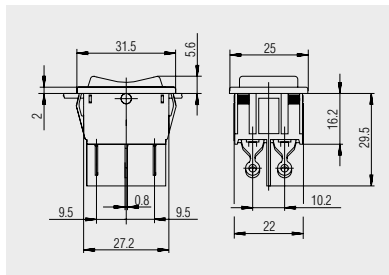
Quick-connect terminal 6.3 x 0.8 / 4.8
basic types 1832, 1834 and 1835



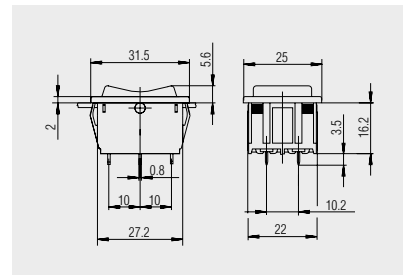
Quick-connect terminal 6.3 x 0.8
basic type 1839



Solder terminal
basic type 1832



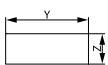
Solder terminal
basic type 1839



PCB terminal
basic type 1839

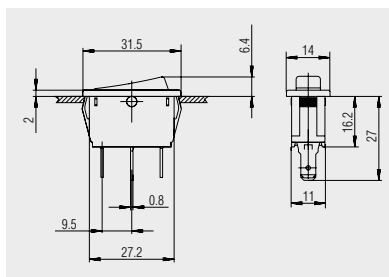


Basic types 1830, 1831 and 1833
single-pole, lower lying flange
illuminated / non-illuminated



X = Wall thickness

| 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 x 0.8
basic types 1830, 1831 and 1833

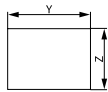


SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 20 (4) A 250 V AC

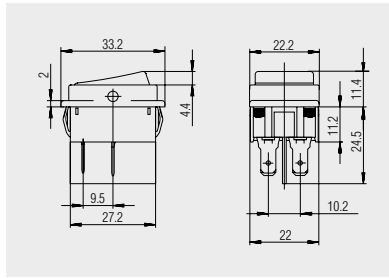


Basic types 1832, 1834,
1835 and 1839
double-pole, lower lying flange
illuminated / non-illuminated

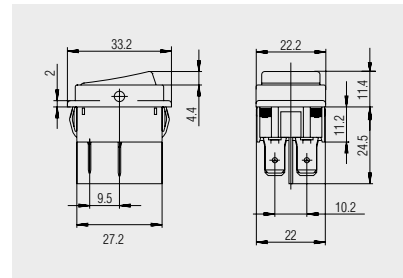


X = Wall thickness

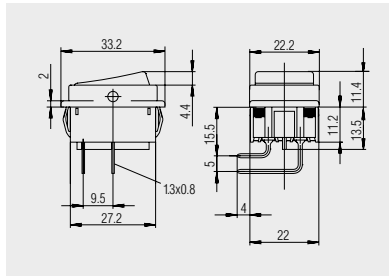
| x | y | z |
|---------------|----------------------|--------------------|
| 0.75 ... 1.25 | 30 ^{-0.1} | 22 ^{+0.2} |
| 1.25 ... 2 | 30.2 ^{-0.1} | 22 ^{+0.2} |
| 2 ... 3 | 30.6 ^{-0.1} | 22 ^{+0.2} |



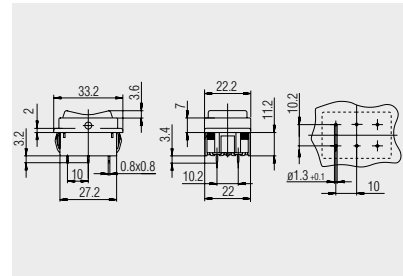
Quick-connect terminal 4.8 x 0.8
basic types 1832 and 1834



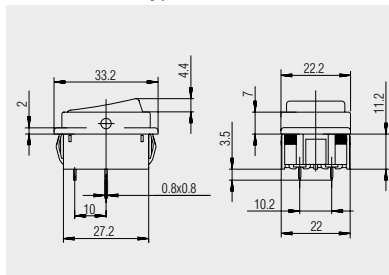
Quick-connect terminal 6.3 x 0.8
basic type 1832



PCB terminal
angled
basic types 1832 and 1835



PCB terminal
basic type 1839



PCB terminal
basic types 1832 and 1835

ROCKER SWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

SLIDE SWITCHES

ROTARY SWITCHES

FOOT SWITCHES

TACT AND KEY SWITCHES

SNAP-ACTION SWITCHES

MICRO-SIGNAL SWITCHES

SENSORS

ECO

PUSH 'N' DRIVE

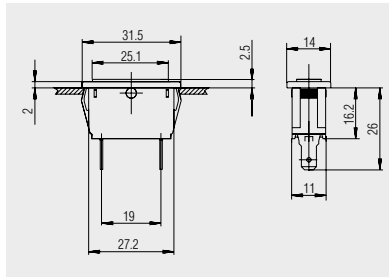


SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

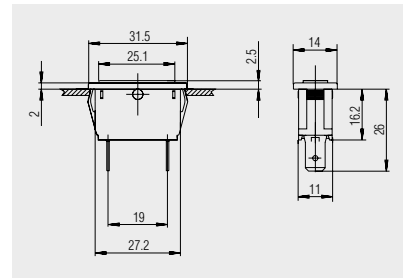
TO 20 (4) A 250 V AC



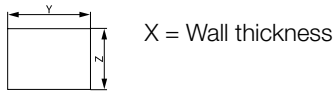
Basic type 1837 lamp
single and double-pole



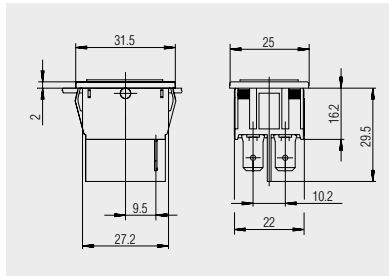
Quick-connect terminal 4.8 x 0.8
single-pole size



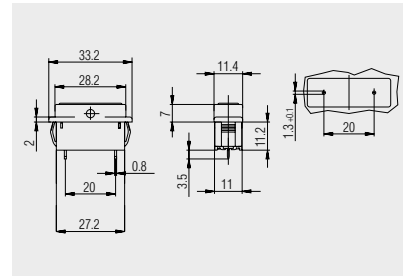
Quick-connect terminal 6.3 x 0.8
single-pole size



| 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} |



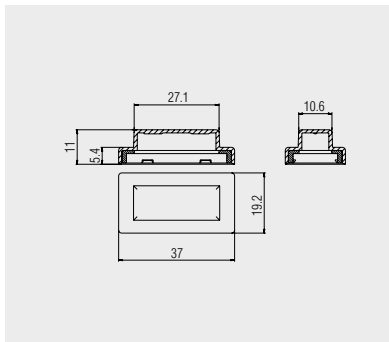
Quick-connect terminal 6.3 x 0.8
double-pole size



PCB terminal
lower lying flange
1837.2504



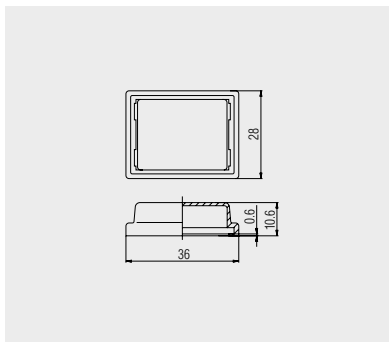
Protection cap
203.731.011



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.

ROCKERSWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

SLIDE SWITCHES

ROTARY SWITCHES

FOOT SWITCHES

TACT AND KEY SWITCHES

SNAP-ACTION SWITCHES

MICRO-SIGNAL SWITCHES

SENSORS

ECO

PUSH'N'DRIVE

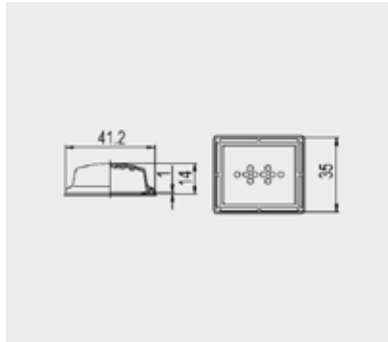


SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 20 (4) A 250 V AC



Protection cap
203.078.011



Transparent PVC-protection cap with burling. Serves as dust and water protection of the actuation side for double-pole basic types 1832, 1834, 1835 and 1839 with standard flange length 30 mm.



Dummy cap
203.145.051



Housing
217.132.031

Housing and dummy cap for double-pole size of basic types 1830, 1831, 1833, 1837 and 1838 made of PA black.

Housing and dummy cap must be assembled by the customer and make only sense in combination



Dummy cap
203.146.051



Housing
217.127.491

Housing and dummy cap for double-pole size of basic types 1832, 1834, 1835 and 1839 made of PA black.

Housing and dummy cap must be assembled by the customer and make only sense in combination

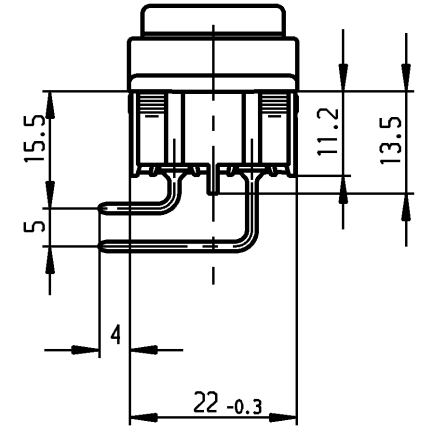
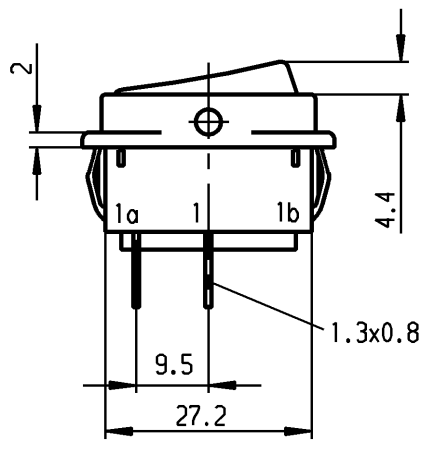
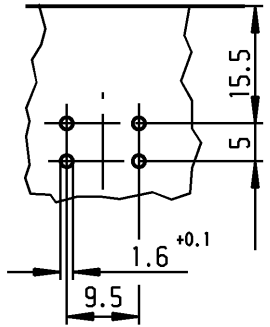


Block connector
217.954.011

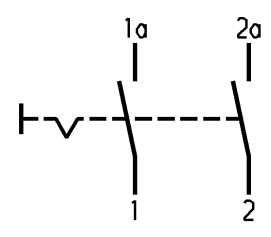
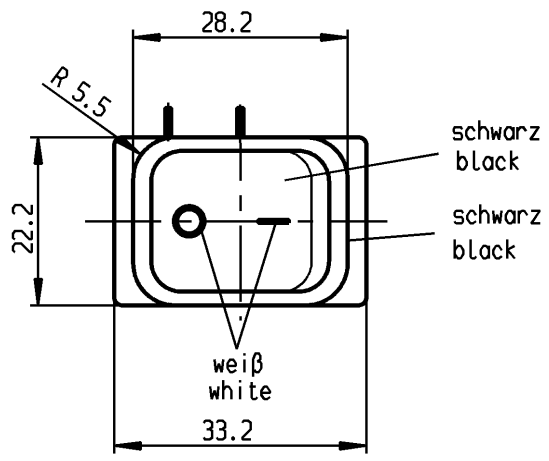
Block connector for cable connection for the double-pole versions of the rocker switch series 1830 und 1930.

Used with the standard timer plug AMP 0-927 936-1

| | | | | |
|---|---|-----------------------------|--------------------------------------|--------------------------------------|
| | 1 | 2 | 3 | 4 |
| A | Empfohlener Ausschnitt für Rastbefestigung (Grat gegenüber Bestückungsseite) | Wanddicke wall thickness | Ausschnittlänge length of cut-out | Ausschnittbreite width of cut-out |
| | recommended cut-out for snap-in fixing (edge opposite to snap-in direction) | 0.75 bis / to 1.25 | 30 -0.1 | 22 +0.2 |
| | | 1.25 bis / to 2 | 30.2 -0.1 | 22 +0.2 |
| | | 2 bis / to 3 | 30.6 -0.1 | 22 +0.2 |



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Aufschrift
Marking

Ⓜ
 1832.
 6(4)/250 ~ 5E4
 10(4)/250 ~ T105/55
 05

6A 125-250V AC
 1/4HP125VAC
 1/2HP250VAC
 R30

Herstellort/-jahr/-woche
nach DIN EN 60062

code of manufacture:
place /year /week acc. to DIN EN 60062

Ausschalter 2-polig
Für Geräte der Klasse II geeignet

DPST
suitable for appliances of class II

Schutzvermerk nach DIN 34 beachten COPYRIGHT RESERVED

| | | | | | | | | |
|--|---|--------------------|---------------------------------|--|---------------|--|---|---|
| Allgemeintoleranzen/UNTOLERANCED DIMENSIONS | | | | PROJECTION Für Winkel FOR ANGLE | | Pause COPY | Blatt SHEET Original DIN A4 Maßstab SCALE 1:1 | Zeichn./DRAWING NO. K 1832.9102 |
| Für Längen und Radien FOR LENGTHS AND RADII. | Abmaße in mm für Nennmaßbereich in mm ALL DIMENSIONS ARE IN MILLIMETRES | | | ± 2° | 0 10 20 30 mm | gez./DRAWN BY 30.01.91 Grh gepr./CHECKED BY Kiz | Geraeteschalter Appliance Switch | MARQUARDT Marquardt, D-78604 Rietheim-Weilheim |
| | ± | bis/UP TO 6 0.2 | über/OVER 6 bis/UP TO 30 0.4 | | | | | |
| d | 64507 | 26.11.09 | hhe | i | | Ersatz für/REPLACEMENT OF Zeichn. gl.Nr. vom 15.03.88 | | |
| c | 39880 | 09.08.04 | .hhe | h | | | | |
| b | 23781 | 14.03.96 | grh | g | | | | |
| a | 20587 | 30.01.91 | grh | f | | | | |
| | | | | e | | | | |
| Ausg. ISSUE | Änderung REVISION | gez. DRAWN BY | Ausg. ISSUE | Änderung REVISION | gez. DRAWN BY | | | |