



## 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<br>5E4 (basic type 1839)<br>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)<br>actuating side -20 °C ... +55 °C                                                                                                                                                                                                                                   |
| Flammability                                   | UL 94 V-2<br>UL 94 V-0 (product-dependent)                                                                                                                                                                                                                                                                                                            |
| Glow wire test temperature                     | 850 °C                                                                                                                                                                                                                                                                                                                                                |
| Material actuator<br>housing<br>terminals      | PA / PC (product-dependent)<br>PA<br>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

|                                                                                                                                                                                            |                        |           |           |           |           |           |           |                                 |                                 |                                        |                                        |           |                    |           |           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------|-----------|-----------|-----------|-----------|-----------|---------------------------------|---------------------------------|----------------------------------------|----------------------------------------|-----------|--------------------|-----------|-----------|
| <div>single-pole</div>   | 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 |
|                                                                                                                                                                                            |                        | 230       | 230       | 230       |           |           |           |                                 |                                 |                                        |                                        |           |                    |           |           |
| Lighting voltage (V)                                                                                                                                                                       |                        |           |           |           |           |           |           |                                 |                                 |                                        |                                        |           |                    |           |           |
| Actuator color / printing                                                                                                                                                                  |                        |           |           |           |           |           |           |                                 |                                 |                                        |                                        |           |                    |           |           |
| Housing color                                                                                                                                                                              |                        |           |           |           |           |           |           |                                 |                                 |                                        |                                        |           |                    |           |           |
| 20 (4) A 250 V AC 1E4                                                                                                                                                                      |                        | o         | o         |           | o         | o         | o         | o                               | o                               | o                                      | o                                      | o         | o                  |           |           |
| 20 (4) A 250 V AC                                                                                                                                                                          |                        |           |           |           |           |           |           |                                 |                                 |                                        |                                        |           |                    | o         |           |
| 16 (4) A 250 V AC 1E4                                                                                                                                                                      |                        |           |           |           |           |           |           |                                 |                                 |                                        |                                        |           |                    |           |           |
| 10 (8) A 400 V AC 5E4                                                                                                                                                                      |                        |           |           |           |           |           |           |                                 |                                 |                                        |                                        |           |                    |           |           |
| 10 (8) A 250 V AC 5E4                                                                                                                                                                      |                        | o         | o         |           | o         | o         | o         | o                               | o                               | o                                      | o                                      | o         | o                  | o         |           |
| 10 (4) A 250 V AC 1E4                                                                                                                                                                      |                        |           |           | o         |           |           |           |                                 |                                 |                                        |                                        |           |                    |           | o         |
| 10 A 12 V DC                                                                                                                                                                               |                        |           |           |           |           |           |           |                                 |                                 |                                        |                                        |           |                    |           | o         |
| 6 (4) A 250 V AC 5E4                                                                                                                                                                       |                        |           |           | o         |           |           |           |                                 |                                 |                                        |                                        |           |                    |           | o         |
| 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                                                                                                                                                                         |                        | o         | o         |           | o         | o         | o         | o                               | o                               | o                                      | o                                      | o         | o                  | o         |           |
| 16 A 250 V AC 1/2 HP                                                                                                                                                                       |                        |           |           |           |           |           |           |                                 |                                 |                                        |                                        |           |                    |           |           |
| 16 A 125 V AC 1/3 HP                                                                                                                                                                       |                        |           |           |           | o         | o         | o         | o                               | o                               | o                                      | o                                      | o         | o                  | o         |           |
| 16 A 125 V AC 1/4 HP                                                                                                                                                                       |                        |           |           |           |           |           |           |                                 |                                 |                                        |                                        |           |                    |           |           |
| 6 A 250 V AC 1/2 HP                                                                                                                                                                        |                        |           |           | o         |           |           |           |                                 |                                 |                                        |                                        |           |                    |           | o         |
| 6 A 125 V AC 1/4 HP                                                                                                                                                                        |                        |           |           |           |           |           |           |                                 |                                 |                                        |                                        |           |                    |           | o         |
| 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"                                                                                                                                                               |                        |           |           |           |           |           |           | o                               | o                               |                                        |                                        |           |                    | o         |           |
| Miscellaneous                                                                                                                                                                              |                        |           |           |           |           |           |           | housing with 2 separating gates | housing with 2 separating gates | 1E6 mechanical life endurance<br>IP 67 | 1E6 mechanical life endurance<br>IP 67 |           | lower lying flange |           |           |
| Stock version                                                                                                                                                                              |                        | o         | o         |           |           | o         | o         |                                 |                                 |                                        |                                        |           | o                  | o         | o         |

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

| <div> <div>single-pole</div>   </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                                                                                                                                                                                   |                             |           |           |           |                          |           |           |                                                                       |           |           |           |           |           |
| 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                                                                                                                                                                                           |                             |           |           |           |                          |           |           |                                                                       |           |           |           |           |           |

ROCKERSWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

SLIDE SWITCHES

ROTARY SWITCHES

FOOT SWITCHES

TACT AND KEY SWITCHES

SNAP-ACTION SWITCHES

MIKRO-SIGNALSCHALTER

SENSORS

ECO

PUSH'N'DRIVE



# SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 20 (4) A 250 V AC

|                                                                                                          |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                       |  |
|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--|
| <div>single-pole</div>  | 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                                                                                            |                                                                                     |                                                                                     |  |  |                                                                                     |                                                                                     |                                                                                       |  |

ROCKER SWITCHES

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TO 20 (4) A 250 V AC

|                                                                                                                                                                                                      |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <div>double-pole</div> <div></div> | ON / OFF switch (DPST)                                                              |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
| Lighting voltage (V)                                                                                                                                                                                 | 400                                                                                 | 230                                                                                 | 230                                                                                 | 230                                                                                 | 230                                                                                 | 230                                                                                 | 230                                                                                 | 230                                                                                 | 230                                                                                   | 115 - 230                                                                             | 12                                                                                    |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
| 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                                                                                   | 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”                                                                                                                                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |  |
| Miscellaneous                                                                                                                                                                                        | cover frame 33.2 long                                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                     | PCB holder 248.103.011 mounted lower lying flange                                   |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       | cover frame 33.2 long                                                                 |                                                                                       |                                                                                       |                                                                                       |
| Stock version                                                                                                                                                                                        |                                                                                     |                                                                                     |  |  |  |                                                                                     |  |  |  |                                                                                       |                                                                                       |                                                                                       |  |  |  |

ROCKERSWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

SLIDE SWITCHES

ROTARY SWITCHES

FOOT SWITCHES

TACT AND KEY SWITCHES

SNAP-ACTION SWITCHES

MIKRO-SIGNALSCHALTER

SENSORS

ECO

PUSH'N'DRIVE



|                                                                                                                                                                                                                |                                                                                     |                        |  |                                                                                     |                                                                                     |                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------|--|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <div><div></div><div>double-pole</div></div> |                                                                                     | ON / OFF switch (DPST) |  | 1832.3602                                                                           |    |    |
| 1832.6112                                                                                                                                                                                                      |    |                        |  |    |                                                                                     |                                                                                     |
| 1832.7103                                                                                                                                                                                                      |    |                        |  |    |                                                                                     |                                                                                     |
| 1832.8112                                                                                                                                                                                                      |    |                        |  |    |                                                                                     |                                                                                     |
| 1832.9103                                                                                                                                                                                                      |    |                        |  |    |                                                                                     |                                                                                     |
| 1832.0113                                                                                                                                                                                                      |    |                        |  |    |                                                                                     |                                                                                     |
| 1832.1102                                                                                                                                                                                                      |    |                        |  |   |                                                                                     |                                                                                     |
| 1832.3307                                                                                                                                                                                                      |   |                        |  |  |                                                                                     |                                                                                     |
| 1832.9101                                                                                                                                                                                                      |  |                        |  |  |                                                                                     |                                                                                     |
| Normally open contact (DPN0)                                                                                                                                                                                   |                                                                                     |                        |  |                                                                                     |                                                                                     |                                                                                     |
| 1832.3407                                                                                                                                                                                                      |  |                        |  |  |                                                                                     |                                                                                     |
| Changeover switch (DPDT)                                                                                                                                                                                       |                                                                                     |                        |  | 1835.3802                                                                           |  |  |
|                                                                                                                                                                                                                |                                                                                     |                        |  | 1834.3311                                                                           |  |  |
|                                                                                                                                                                                                                |                                                                                     |                        |  | 1834.3312                                                                           |  |  |
|                                                                                                                                                                                                                |                                                                                     |                        |  |                                                                                     |                                                                                     |                                                                                     |



# SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 20 (4) A 250 V AC

|                                                                                                                                                                                                      |                          |           |           |           |           |                                                                       |           |           |           |           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-----------|-----------|-----------|-----------|-----------------------------------------------------------------------|-----------|-----------|-----------|-----------|
| <div>double-pole</div> <div></div> | Changeover switch (DPDT) |           |           |           |           |                                                                       |           |           |           |           |
|                                                                                                                                                                                                      | 1834.1102                | 1834.3302 | 1834.3309 | 1834.3603 | 1834.6103 | Changeover switch with OFF position in the center (DPDT - Center OFF) |           |           |           |           |
| Lighting voltage (V)                                                                                                                                                                                 |                          |           |           |           |           | 1839.3512                                                             | 1839.1402 | 1839.1407 | 1839.1410 | 1839.1502 |
| 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                                                                                                                                                                                        |                          |           |           |           |           |                                                                       |           |           |           |           |

ROCKERSWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

SLIDE SWITCHES

ROTARY SWITCHES

FOOT SWITCHES

TACT AND KEY SWITCHES

SNAP-ACTION SWITCHES

MIKRO-SIGNALSCHALTER

SENSORS

ECO

PUSH'N'DRIVE



# SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 20 (4) A 250 V AC

|                                                                                                          |  |  |  |  |  |  |  |  |
|----------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|
| <div>double-pole</div>  |  |  |  |  |  |  |  |  |
| 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                                                                                            |  |  |  |  |  |  |  |  |

Changeover switch with OFF position in the center (DPDT - Center OFF)

Changeover switch (DPDT momentary)

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

|                                                                                   |      |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  | Lamp | 1837.1118                                                                           | 1837.3102                                                                           | 1837.8102                                                                           | 1837.8108                                                                           |
|                                                                                   |      | 230                                                                                 | 230                                                                                 | 230                                                                                 | 230                                                                                 |
| 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                                                              |      | 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

SNAP-ACTION SWITCHES

MIKRO-SIGNALSCHALTER

SENSORS

ECO

PUSH'N'DRIVE

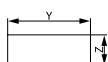


# SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 20 (4) A 250 V AC

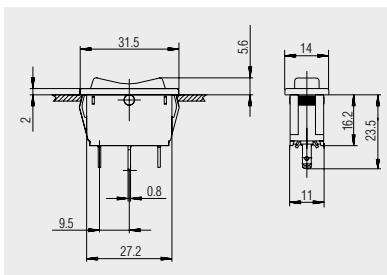


Basic types 1830, 1831,  
1833 and 1838  
single-pole  
illuminated / non-illuminated

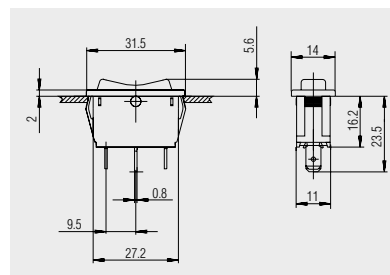


X = Wall thickness

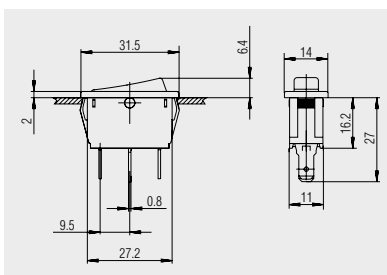
| x             | y                    | z                  |
|---------------|----------------------|--------------------|
| 0.75 ... 1.25 | 30 <sup>-0.1</sup>   | 11 <sup>+0.1</sup> |
| 1.25 ... 2    | 30.2 <sup>-0.1</sup> | 11 <sup>+0.1</sup> |
| 2 ... 3       | 30.6 <sup>-0.1</sup> | 11 <sup>+0.1</sup> |



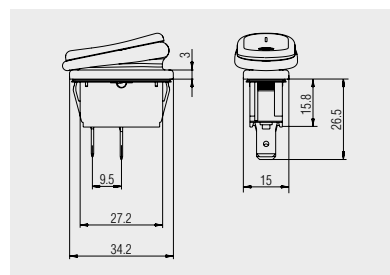
Quick-connect terminal 2.8 x 0.8  
1838.4307



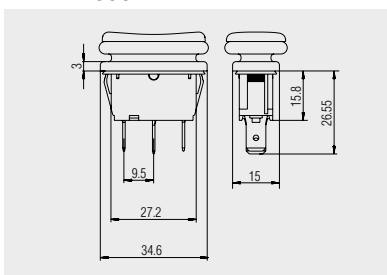
Quick-connect terminal 4.8 x 0.8  
basic type 1838



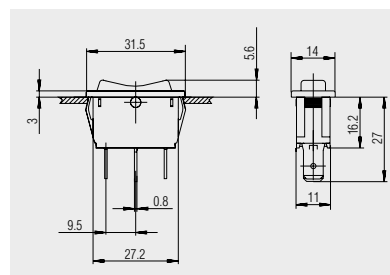
Quick-connect terminal 4.8 x 0.8  
basic types 1830, 1831 and  
1833



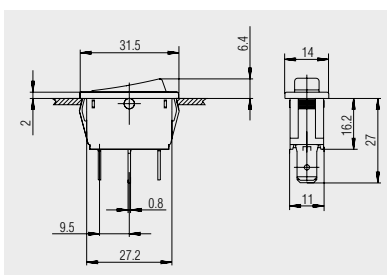
Quick-connect terminal 6.3 x 0.8  
1831.3815



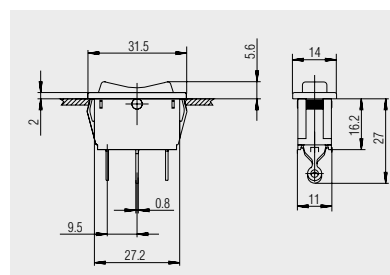
Quick-connect terminal 6.3 x 0.8  
1838.3901



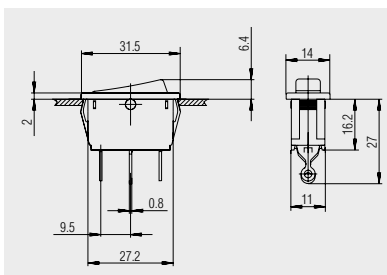
Quick-connect terminal 6.3 x 0.8  
basic type 1838



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

TOGGLE SWITCHES

SNAP-ACTION SWITCHES

MICRO-SIGNAL SWITCHES

SENSORS

ECO

PUSH 'N' DRIVE

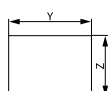


## SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

T0 20 (4) A 250 V AC

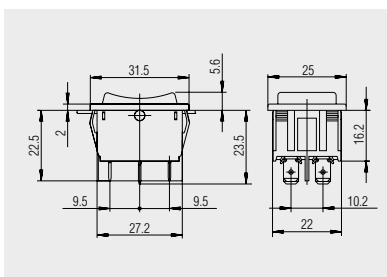


Basic types 1832, 1834,  
1835 and 1839  
double-pole  
illuminated / non-illuminated

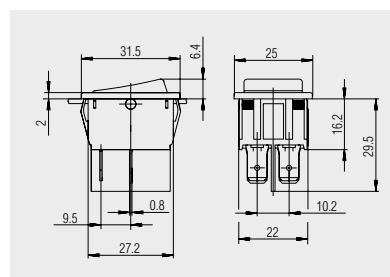


X = Wall thickness

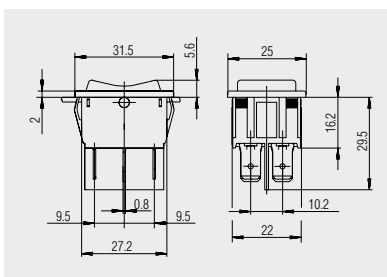
| x             | y                    | z                  |
|---------------|----------------------|--------------------|
| 0.75 ... 1.25 | 30 <sup>-0.1</sup>   | 22 <sup>+0.2</sup> |
| 1.25 ... 2    | 30.2 <sup>-0.1</sup> | 22 <sup>+0.2</sup> |
| 2 ... 3       | 30.6 <sup>-0.1</sup> | 22 <sup>+0.2</sup> |



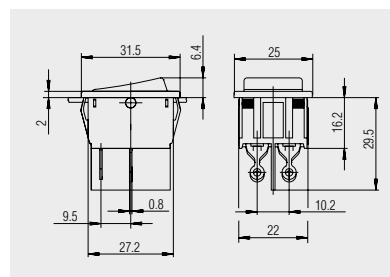
Quick-connect terminal 4.8 x 0.8



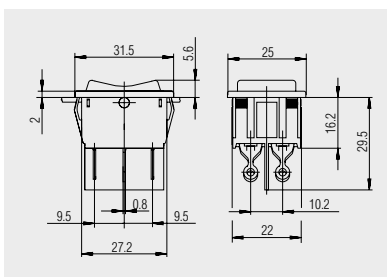
Quick-connect terminal 6.3 x 0.8 / 4.8  
basic types 1832, 1834 and 1835



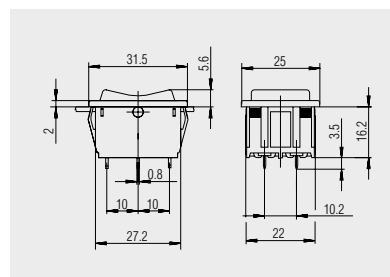
Quick-connect terminal 6.3 x 0.8  
basic type 1839



Solder terminal  
basic type 1832



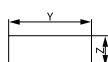
Solder terminal  
basic type 1839



PCB terminal  
basic type 1839

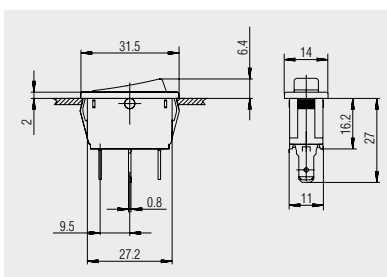


Basic types 1830, 1831 and 1833  
single-pole, lower lying flange  
illuminated / non-illuminated



X = Wall thickness

| x             | y                    | z                  |
|---------------|----------------------|--------------------|
| 0.75 ... 1.25 | 30 <sup>-0.1</sup>   | 11 <sup>+0.1</sup> |
| 1.25 ... 2    | 30.2 <sup>-0.1</sup> | 11 <sup>+0.1</sup> |
| 2 ... 3       | 30.6 <sup>-0.1</sup> | 11 <sup>+0.1</sup> |



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

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

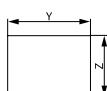


## SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 20 (4) A 250 V AC

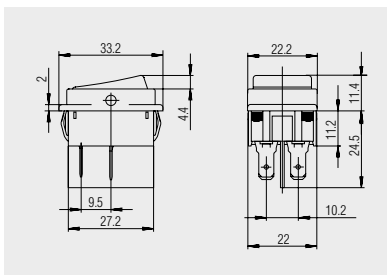


Basic types 1832, 1834,  
1835 and 1839  
double-pole, lower lying flange  
illuminated / non-illuminated

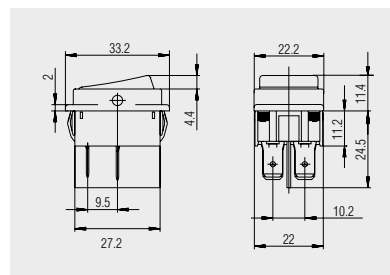


X = Wall thickness

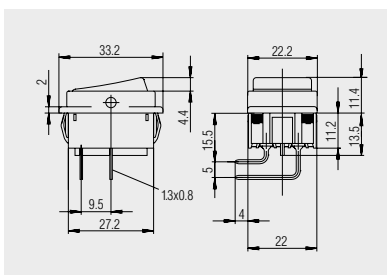
| x             | y                    | z                  |
|---------------|----------------------|--------------------|
| 0.75 ... 1.25 | 30 <sup>-0.1</sup>   | 22 <sup>+0.2</sup> |
| 1.25 ... 2    | 30.2 <sup>-0.1</sup> | 22 <sup>+0.2</sup> |
| 2 ... 3       | 30.6 <sup>-0.1</sup> | 22 <sup>+0.2</sup> |



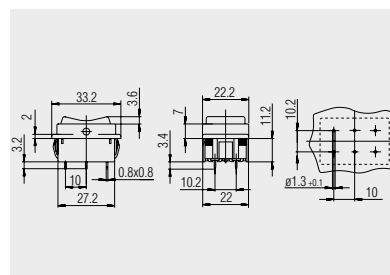
Quick-connect terminal 4.8 x 0.8  
basic types 1832 and 1834



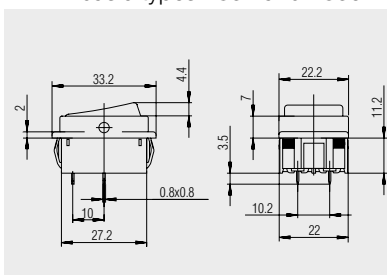
Quick-connect terminal 6.3 x 0.8  
basic type 1832



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

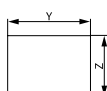


## SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 20 (4) A 250 V AC

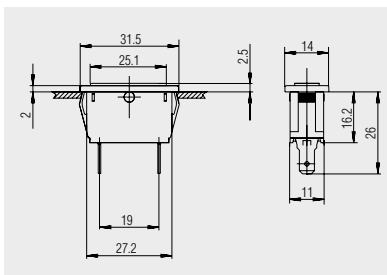


Basic type 1837 lamp  
single and double-pole

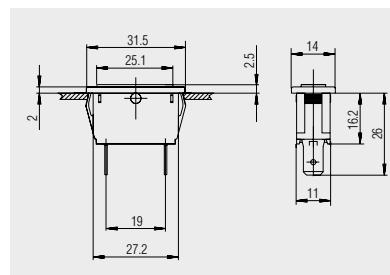


X = Wall thickness

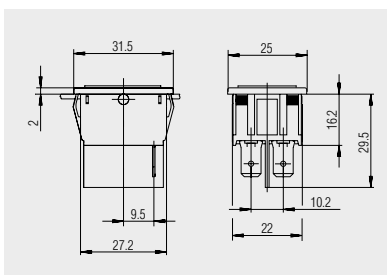
| x             | y                    | z                  |
|---------------|----------------------|--------------------|
| 0.75 ... 1.25 | 30 <sup>-0.1</sup>   | 22 <sup>+0.1</sup> |
| 1.25 ... 2    | 30.2 <sup>-0.1</sup> | 22 <sup>+0.1</sup> |
| 2 ... 3       | 30.6 <sup>-0.1</sup> | 22 <sup>+0.1</sup> |



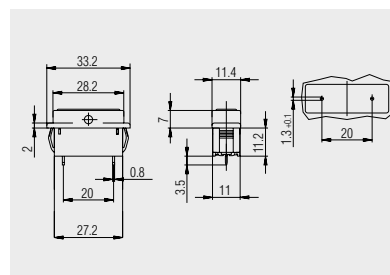
Quick-connect terminal 4.8 x 0.8  
single-pole size



Quick-connect terminal 6.3 x 0.8  
single-pole size



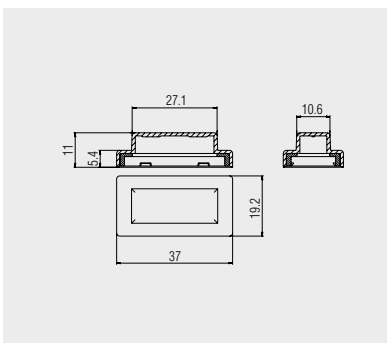
Quick-connect terminal 6.3 x 0.8  
double-pole size



PCB terminal  
lower lying flange  
1837.2504



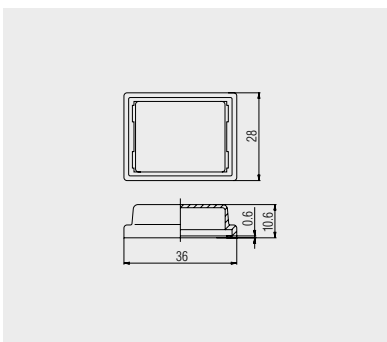
Protection cap  
203.731.011



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.

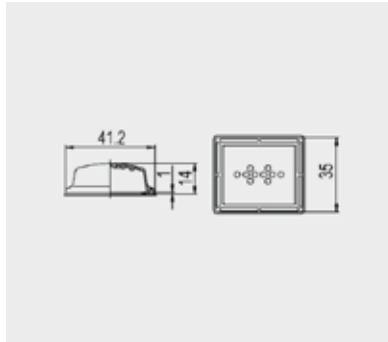


## SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

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 | recommended cut-out for snap-in fixing<br>( edge opposite to snap-in direction )  | wall thickness<br>Wanddicke | length of cut-out<br>Ausschnittlänge |
|   | Empfohlener Ausschnitt für Rastbefestigung<br>( Grat gegenüber Bestückungsseite ) | 0.75 to / bis 1.25          | 30 -0.1                              |
|   |                                                                                   | 1.25 to / bis 2             | 30.2 -0.1                            |
|   | 2 to / bis 3                                                                      | 30.6 -0.1                   | width of cut-out<br>Ausschnittbreite |
|   |                                                                                   |                             | 11 +0.1                              |
|   |                                                                                   |                             | 11 +0.1                              |
|   |                                                                                   |                             | 11 +0.1                              |

plug-in  
Flachstecker  
DIN 46244-6.3x0.8

**Marking**  
Aufschrift

Ⓜ

1838.

6(4)/250 ~ T105/55

05

6A 125-250V AC

1/8 HP

R58

date code of manufacture:  
year / month  
acc. to DIN EN 60062

Herstelljahr/- monat nach  
DIN EN 60062

SPDT

with centre-off

biased from both sides

suitable for appliances of class II

Umschalter 1-polig

Ausstellung in der Mitte

Tastfunktion beidseitig

Für Geräte der Klasse II geeignet

|                                         |                      |                  |                                                |                                                                                                 |                      |                  |                            |                         |               |                                                           |                                  |
|-----------------------------------------|----------------------|------------------|------------------------------------------------|-------------------------------------------------------------------------------------------------|----------------------|------------------|----------------------------|-------------------------|---------------|-----------------------------------------------------------|----------------------------------|
| Für Form und Lage<br>FOR SHAPE AND LOC. | ⊙ ≡                  | 0.1              | Allgemeintoleranzen<br>UNTOLERANCED DIMENSIONS |                                                                                                 |                      |                  | Pause<br>COPY              | Blatt<br>SHEET          |               | Typ<br>K                                                  | Zeichn./DRAWING NO.<br>1838.8302 |
| Für Winkel<br>FOR ANGLE ± 2°            |                      |                  | PROJECTION<br>                                 | Abmasse und<br>Nennmassbereiche<br>Angaben in mm<br><br>ALL DIMENSIONS<br>ARE IN<br>MILLIMETRES | Laengen<br>LENGTH    | Radien<br>RADII  | Original<br>DIN<br>A4      | Maßstab<br>SCALE<br>1:1 | 0 10 20 30 mm | Appliance Switch<br>Geräteschalter                        |                                  |
|                                         |                      |                  |                                                |                                                                                                 | 0-6 ± 0.2            | ± 0.2            |                            |                         |               |                                                           |                                  |
|                                         |                      |                  |                                                |                                                                                                 | >6-15 ± 0.4          | ± 0.4            |                            |                         |               | MARQUARDT<br>Marquardt GmbH, D-78604 Rietheim-Weilheim    |                                  |
|                                         |                      |                  |                                                |                                                                                                 | >15-30 ± 0.4         | ± 0.4            |                            |                         |               |                                                           |                                  |
|                                         |                      |                  |                                                |                                                                                                 | >30-70 ± 0.6         | ± 10%            |                            |                         |               |                                                           |                                  |
|                                         |                      |                  |                                                |                                                                                                 | >70-120 ±            | ±                |                            |                         |               |                                                           |                                  |
| c                                       |                      |                  |                                                | g                                                                                               |                      |                  | CAD Medusa                 |                         | Z             | Ersatz für/REPLACEMENT OF<br>Zeichn. gL. Nr. vom 02.11.88 |                                  |
| b                                       | 29986                | 16.08.00         | Grh                                            | f                                                                                               |                      |                  | gez./DRAWN BY 04.07.00 grh |                         |               |                                                           |                                  |
| a                                       | 29631                | 04.07.00         | grh                                            | e                                                                                               |                      |                  | gepr./CHECKED BY Kiz       |                         |               |                                                           |                                  |
|                                         |                      |                  |                                                | d                                                                                               |                      |                  |                            |                         |               |                                                           |                                  |
| Ausg.<br>ISSUE                          | Änderung<br>REVISION | gez.<br>DRAWN BY |                                                | Ausg.<br>ISSUE                                                                                  | Änderung<br>REVISION | gez.<br>DRAWN BY |                            |                         |               |                                                           |                                  |