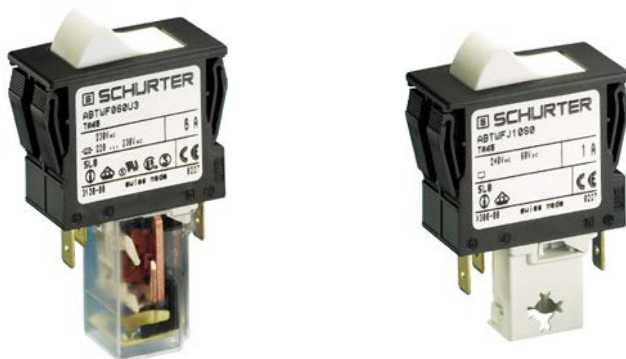


Circuit Breaker for Equipment thermal, 2 pole, Rocker actuation, with undervoltage



## Description

- Thermal circuit breaker
- 1 or 2 pole thermal overload protection
- Positively trip-free release
- High configurability
- Rocker non-illuminated or illuminated
- Snap-in version
- Quick connect terminal 6.3 x 0.8 mm or screw clamp terminal M3.5 x 6 mm (lineside P1, P2)

## Approvals

- Approval Reference Type: TA45
- IEC Standard: IEC 60934
- UL Standard: UL 1077
- CSA Standard: CSA C22.2 No. 235
- GB Standard: GB 17701

## Applications

- Power tools
- Industrial appliances
- Power supplies

## Weblinks

[pdf datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [REACH](#), [Distributor-Stock-Check](#), [Detailed request for product](#), [Product News](#)

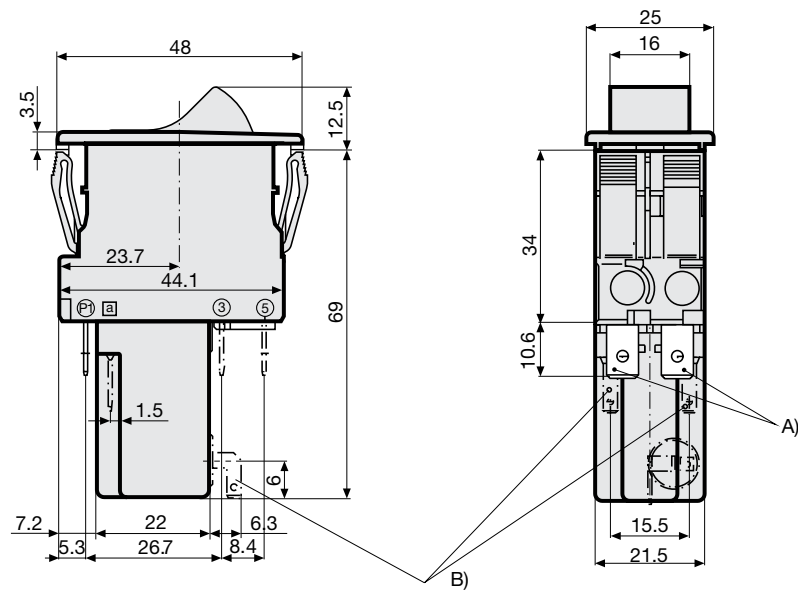
## Technical Data

|                                    |   |
|------------------------------------|---|
| Rated Voltage AC                   | 240 V                                   |
| Rated Voltage DC                   | 60 V                                    |
| Rated current range AC             | 0.05 - 20 A                             |
| Conditional short circuit capacity | IEC: Inc, PC1, AC 240 V: 1 kA           |
| Degree of Protection               | from front side IP 40 acc. to IEC 60529 |
| Dielectric Strength                | 4 kVAC                                  |
| Insulation resistance              | 500 VDC > 100 MΩ                        |
| Endurance typical                  | mechanical: 50'000 switching cycles     |
|                                    | AC: 1 x Ir:                             |
|                                    | 50'000 switching cycles                 |
|                                    | DC: 1 x Ir:                             |
|                                    | 50'000 switching cycles                 |

|                         |   |
|-------------------------|---|
| Overload                | AC: min. 40 trips<br>@ 6 x Ir   |
|                         | DC: min. 40 trips<br>@ 4 x Ir   |
| Ambient temperature     | -10 °C to 55 °C   |
| Vibration Resistance    | ± 0.75 mm @ 5 - 60 Hz<br>acc. to IEC 60068-2-6, test Fc<br>10 G @ 60 - 500 Hz<br>acc. to IEC 60068-2-6, test Fc |
| Shock Resistance        | 30 G / 18 ms<br>acc. to IEC 60068-2-27, test Ea   |
| Possible Tripping Types | Thermal<br>Undervoltage release<br>Remote trip<br>Mechanical lock-out latch                                     |
| Actuation Type          | Rocker  |
| Weight                  | 50 - 60g  |

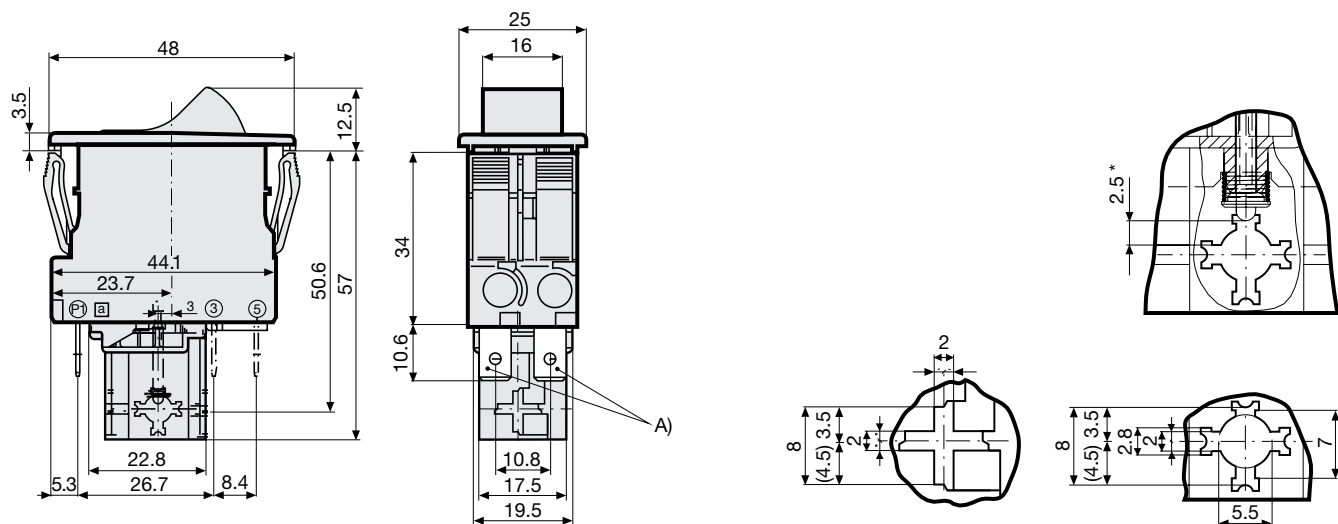
**Dimension**

Undervoltage release, remote trip release



A) Quick connect terminal, IEC 61210, A6.3-0.8 mm

B) Quick connect terminal, IEC 61210, A2.8-0.8 mm

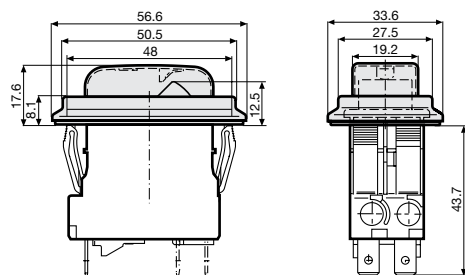
**Mechanical lock-out latch**

A) Quick connect terminal, IEC 61210, A6.3-0.8 mm

\*) max. switching stroke

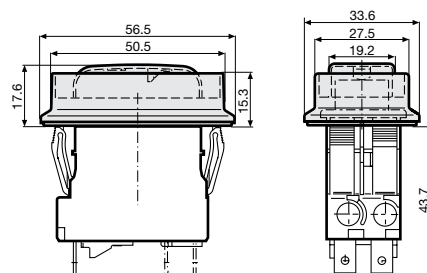
## Accessories / factory mounted

AZM01 / Collar with cover, IP54

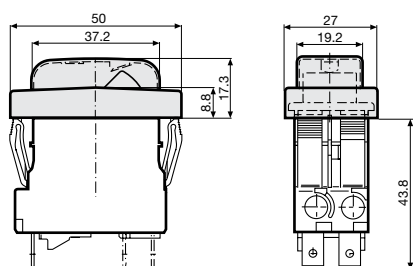


AZM02 / Raised collar with cover, narrow, IP54

AZM03 / Raised collar, IP40

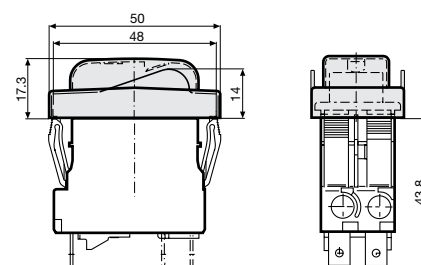


AZM10 / Collar with cover, narrow, IP54

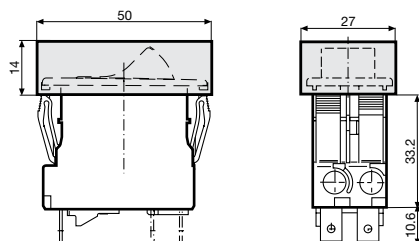


AZM11 / Partially raised collar with cover, narrow, IP54

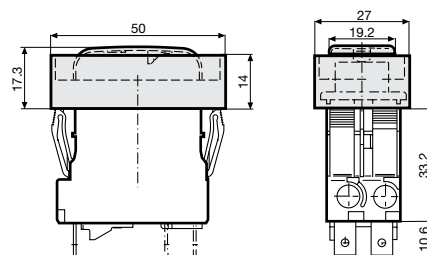
AZM12 / Partially raised collar without cover, narrow, IP40



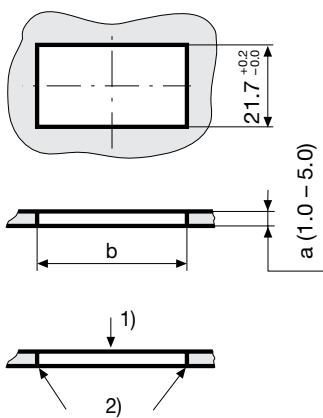
AZM13 / Raised collar narrow, IP40



AZM14 / Raised collar with cover narrow, IP54

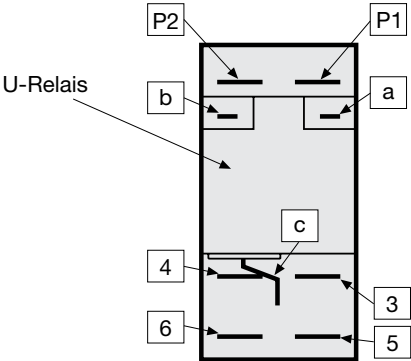


Cut-out and pin-out  
Cut-out snap-in type



| a   | b           |
|-----|-------------|
| 1.0 | 44,5...45,0 |
| 1.5 | 44,5...45,0 |
| 2.0 | 44,7...45,2 |
| 2.5 | 44,7...45,2 |
| 3.0 | 44,8...45,3 |
| 4.0 | 44,9...45,4 |
| 5.0 | 45,0...45,5 |

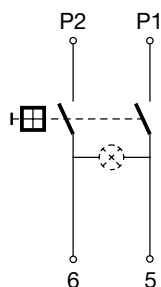
Pin-out



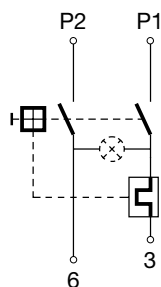
- 1) Assemble
- 2) edge must be sharp

## Diagrams

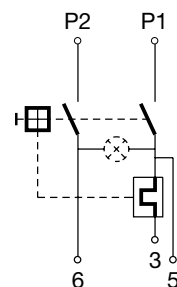
Without thermal overload protection



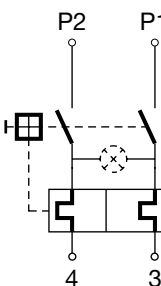
1 pole thermal overload protection



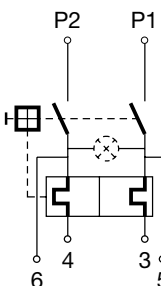
1 pole thermal overload protection, Shunt terminal



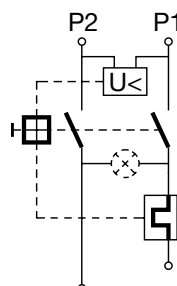
2 pole thermal overload protection



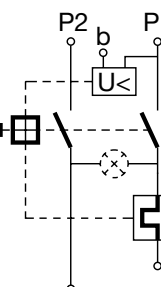
2 pole thermal overload protection, Shunt terminal



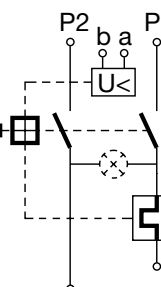
Undervoltage release



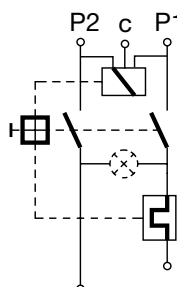
Undervoltage release with additional contact



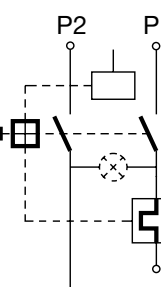
Undervoltage release with 2 additional contacts



Remote trip release



Mechanical lock-out latch



Effect of ambient temperature

The units are calibrated for an ambient temperature of +23°C. To determine the rated current for a lower or higher ambient temperature, use a correction factor (typical value) from the table below:

| Ambient temperature [°C] | Correction factor |
|--------------------------|-------------------|
| -10                      | 0.89              |
| -5                       | 0.91              |
| 0                        | 0.92              |
| +23                      | 1.00              |
| +30                      | 1.03              |
| +40                      | 1.08              |
| +55                      | 1.16              |

Example: Rated current = 5 A; Environmental temperature = 40 °C; --> Correction factor = 1.08; Resulting current = 5.5 A --> Fount to next higher rated current: 6 A

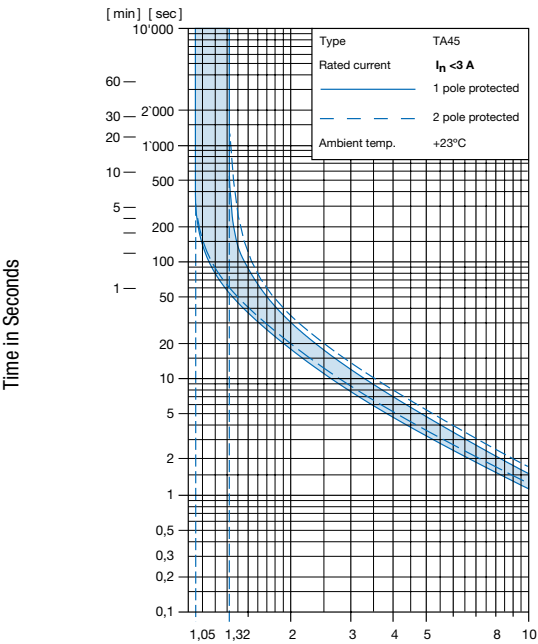
Undervoltage release

|   |         |         |         |        |        |        |                     |
|---|---------|---------|---------|--------|--------|--------|---------------------|
| Max. operating voltage                  |         |         |         |        |        |        | 1.1 Ue              |
| Rated operating voltage Ue              | 5 V     | 12 V    | 24 V    | 48 V   | 120 V  | 240 V  | 400 V <sup>1)</sup> |
| Current consumption (± 10%)             | 10.5 mA | 16.5 mA | 17.0 mA | 3.2 mA | 3.7 mA | 3.1 mA | 2.65 mA             |
| Highest reset level                     |         |         |         |        |        |        | 0.85 Ue             |
| Lowest trip level                       |         |         |         |        |        |        | 0.20 Ue             |
| Trip delay                              |         |         |         |        |        |        | 20 ms - 50 ms       |
| Impulse withstand voltage (1.2 / 50 µs) |         |         |         |        |        |        | ≥4 kV               |
| 1) only for 3pole                       |         |         |         |        |        |        |                     |

Remote trip

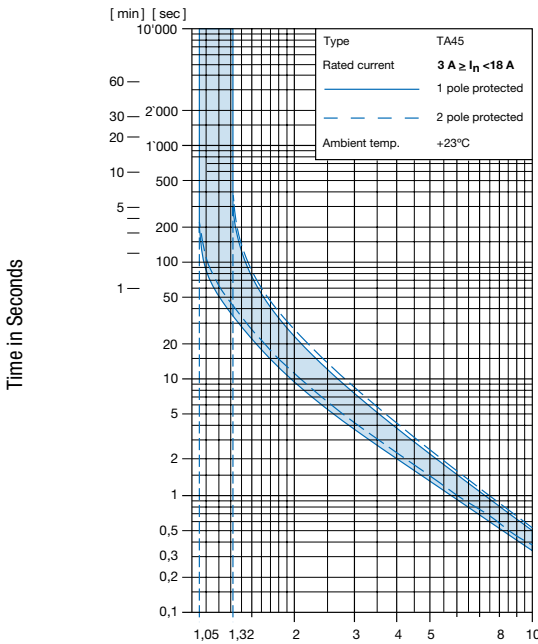
|  |                                       |           |
|--|---------------------------------------|-----------|
| Permissible impuls duration of the make contact (no) | Between terminal C and P1             | unlimited |
| Electrical load of the make contact (no)             | Current max. 12 mA / power max. 1.1 W |           |

Time-Current-Curves



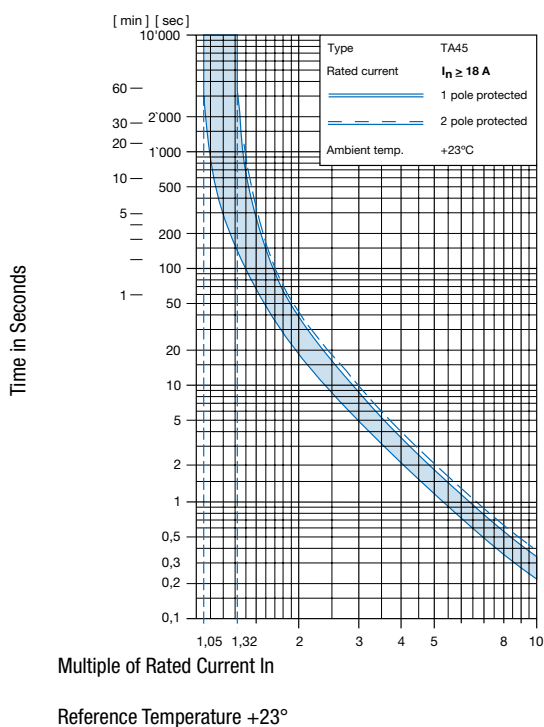
Multiple of Rated Current I<sub>n</sub>

Reference Temperature +23°



Multiple of Rated Current I<sub>n</sub>

Reference Temperature +23°



## Config. Code

TA45 - AK2 W F 120 A2 - AZM11

The characters are placeholders for the correspondingly keys of selections from the key tables.

TA45 - **AK2** W F 120 A2 - AZM11 = Basic function

| Basic function  | Configuration key |
|---|-------------------|
| 2-pole, rocker, flat connection, illuminated 220 V...240 V  | A02               |
| 2-pole, rocker, flat connection, illuminated 110 V...120 V  | A04               |
| 2-pole, rocker, flat connection, illuminated 220 V...26 V   | A07               |
| 2-pole, rocker, flat connection, illuminated 10 V...13 V  | A08               |
| 2-pole, rocker, flat connection, illuminated 4 V...7 V  | A09               |
| 2-pole, rocker, 1pole overload protection, flat connection, illuminated 220 V...240 V                 | A12               |
| 2-pole, rocker, 1pole overload protection, flat connection, illuminated 110 V...120 V                 | A14               |
| 2-pole, rocker, 1pole overload protection, flat connection, illuminated 20 V...26 V                   | A17               |
| 2-pole, rocker, 1pole overload protection, flat connection, illuminated 10 V...13 V                   | A18               |
| 2-pole, rocker, 1pole overload protection, flat connection, illuminated 4 V...7 V                     | A19               |
| 2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, illuminated 220 V...240 V | A22               |
| 2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, illuminated 110 V...120 V | A24               |
| 2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, illuminated 20 V...26 V   | A27               |
| 2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, illuminated 10 V...13 V   | A28               |
| 2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, illuminated 4 V...7 V     | A29               |
| 2-pole, rocker, 2pole overload protection, flat connection, illuminated 220 V...240 V                 | A32               |

| Basic function  | Configuration key |
|---|-------------------|
| 2-pole, rocker, 2pole overload protection, flat connection, illuminated 110 V...120 V                 | A34               |
| 2-pole, rocker, 2pole overload protection, flat connection, illuminated 20 V...26 V                   | A37               |
| 2-pole, rocker, 2pole overload protection, flat connection, illuminated 10 V...13 V                   | A38               |
| 2-pole, rocker, 2pole overload protection, flat connection, illuminated 4 V...7 V                     | A39               |
| 2-pole, rocker, 2pole overload protection, shunt terminal, flat connection, illuminated 220 V...240 V | A42               |
| 2-pole, rocker, 2pole overload protection, shunt terminal, flat connection, illuminated 110 V...120 V | A44               |
| 2-pole, rocker, 2pole overload protection, shunt terminal, flat connection, illuminated 20 V...26 V   | A47               |
| 2-pole, rocker, 2pole overload protection, shunt terminal, flat connection, illuminated 10 V...13 V   | A48               |
| 2-pole, rocker, 2pole overload protection, shunt terminal, flat connection, illuminated 4 V...7 V     | A49               |
| 2-pole, rocker, screw connection, illuminated 220 V...240 V   | A52               |
| 2-pole, rocker, screw connection, illuminated 110 V...120 V   | A54               |
| 2-pole, rocker, screw connection, illuminated 20 V...26 V   | A57               |
| 2-pole, rocker, screw connection, illuminated 10 V...13 V   | A58               |
| 2-pole, rocker, screw connection, illuminated 4 V...7 V   | A59               |
| 2-pole, rocker, 1pole overload protection, screw connection, illuminated 220 V...240 V                | A62               |
| 2-pole, rocker, 1pole overload protection, screw connection, illuminated 110 V...120 V                | A64               |
| 2-pole, rocker, 1pole overload protection, screw connection, illuminated 20 V...26 V                  | A67               |






| Basic function  | Configuration key |
|---|-------------------|
| 2-pole, rocker, 1pole overload protection, screw connection, illuminated 10 V...13 V                                | A68               |
| 2-pole, rocker, 1pole overload protection, screw connection, illuminated 4 V...7 V                                  | A69               |
| 2-pole, rocker, 1pole overload protection, shunt terminal, screw connection, illuminated 220 V...240 V              | A72               |
| 2-pole, rocker, 1pole overload protection, shunt terminal, screw connection, illuminated 110 V...120 V              | A74               |
| 2-pole, rocker, 1pole overload protection, shunt terminal, screw connection, illuminated 20 V...26 V                | A77               |
| 2-pole, rocker, 1pole overload protection, shunt terminal, screw connection, illuminated 10 V...13 V                | A78               |
| 2-pole, rocker, 1pole overload protection, shunt terminal, screw connection, illuminated 4 V...7 V                  | A79               |
| 2-pole, rocker, 2pole overload protection, screw connection, illuminated 220 V...240 V                              | A82               |
| 2-pole, rocker, 2pole overload protection, screw connection, illuminated 110 V...120 V                              | A84               |
| 2-pole, rocker, 2pole overload protection, screw connection, illuminated 20 V...26 V                                | A87               |
| 2-pole, rocker, 2pole overload protection, screw connection, illuminated 10 V...13 V                                | A88               |
| 2-pole, rocker, 2pole overload protection, screw connection, illuminated 4 V...7 V                                  | A89               |
| 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, illuminated 220 V...240 V              | A92               |
| 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, illuminated 110 V...120 V              | A94               |
| 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, illuminated 20 V...26 V                | A97               |
| 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, illuminated 10 V...13 V                | A98               |
| 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, illuminated 4 V...7 V                  | A99               |
| 2-pole, rocker, flat connection, without illumination   | ABC               |
| 2-pole, rocker, 2pole overload protection, flat connection, without illumination                                    | ABD               |
| 2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, without illumination                    | ABF               |
| 2-pole, rocker, 2pole overload protection, shunt terminal, flat connection, without illumination                    | ABG               |
| 2-pole, rocker, 1pole overload protection, flat connection, without illumination                                    | ABT               |
| 2-pole, rocker, flat connection, momentary switch, without illumination   | AEC               |
| 2-pole, rocker, 2pole overload protection, flat connection, momentary switch, without illumination                  | AED               |
| 2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, momentary switch, without illumination  | AEF               |
| 2-pole, rocker, 2pole overload protection, shunt terminal, flat connection, momentary switch, without illumination  | AEG               |
| 2-pole, rocker, 1pole overload protection, flat connection, momentary switch, without illumination                  | AET               |
| 2-pole, rocker, screw connection, without illumination  | AHC               |
| 2-pole, rocker, 2pole overload protection, screw connection, without illumination                                   | AHD               |
| 2-pole, rocker, 1pole overload protection, shunt terminal, screw connection, without illumination                   | AHF               |
| 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, without illumination                   | AHG               |
| 2-pole, rocker, 1pole overload protection, screw connection, without illumination                                   | AHT               |
| 2-pole, rocker, screw connection, momentary switch, without illumination  | AJC               |
| 2-pole, rocker, 2pole overload protection, screw connection, momentary switch, without illumination                 | AJD               |
| 2-pole, rocker, 1pole overload protection, shunt terminal, screw connection, momentary switch, without illumination | AJF               |

| Basic function  | Configuration key |
|---|-------------------|
| 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, momentary switch, without illumination | AJG               |
| 2-pole, rocker, 1pole overload protection, screw connection, momentary switch, without illumination                 | AJT               |

TA45 - AK2 **W** F 120 A2 - AZM11 = Actuator colour

| Actuator colour    | Configuration key |
|--------------------|-------------------|
| Clear transparent  | 1                 |
| Red transparent    | 3                 |
| Green transparent  | 4                 |
| Orange transparent | 6                 |
| Black              | B                 |
| Green              | G                 |
| Red                | R                 |
| White              | W                 |
| Orange             | X                 |
| Yellow             | Y                 |

TA45 - AK2 **W** F 120 A2 - AZM11 = Legend

| Legend  | Configuration key |
|---|-------------------|
| embossed       | F                 |
| white printed  | H                 |
| black printed  | K                 |
| white printed  | L                 |
| black printed  | M                 |
| white printed  | P                 |
| black printed  | R                 |
| white printed  | S                 |
| black printed  | T                 |

TA45 - AK2 **W** F **120** A2 - AZM11 = Rated current

| Rated current  | Configuration key |
|--|-------------------|
| without thermal overload protection / temporarily without VDE approval | C00               |
| 0.05 A   | Z05               |
| 0.1 A  | J01               |
| 0.2 A  | J02               |

Other rated currents on request



| Rated current | Configuration key |
|---------------|-------------------|
| 0.3 A         | J03               |
| 0.4 A         | J04               |
| 0.5 A         | J05               |
| 0.6 A         | J06               |
| 0.7 A         | J07               |
| 0.8 A         | J08               |
| 0.9 A         | J09               |
| 1.0 A         | J10               |
| 1.1 A         | J11               |
| 1.2 A         | J12               |
| 1.3 A         | J13               |
| 1.4 A         | J14               |
| 1.5 A         | J15               |
| 1.6 A         | J16               |
| 1.7 A         | J17               |
| 1.8 A         | J18               |
| 1.9 A         | J19               |
| 2.0 A         | J20               |
| 2.1 A         | J21               |
| 2.2 A         | J22               |
| 2.3 A         | J23               |
| 2.5 A         | J25               |
| 2.8 A         | J28               |
| 3.0 A         | 030               |
| 3.5 A         | 035               |
| 4.0 A         | 040               |
| 4.5 A         | 045               |
| 5.0 A         | 050               |
| 6.0 A         | 060               |
| 6.5 A         | 065               |
| 7.0 A         | 070               |
| 7.5 A         | 075               |
| 8.0 A         | 080               |
| 9.0 A         | 090               |
| 10.0 A        | 100               |
| 11.0 A        | 110               |
| 12.0 A        | 120               |
| 13.0 A        | 130               |
| 14.0 A        | 140               |
| 15.0 A        | 150               |
| 16.0 A        | 160               |
| 17.0 A        | 170               |
| 18.0 A        | 180               |
| 19.0 A        | 190               |
| 20.0 A        | 200               |

Other rated currents on request

## TA45 - AK2 W F 120 **A2** - AZM11 = Release / lock-out latch

| Release / lock-out latch  | Configuration key |
|---|-------------------|
| Remote trip release, rated voltage 240 V AC                                 | A2                |
| Remote trip release, rated voltage 230 V AC                                 | A3                |
| Remote trip release, rated voltage 120 V AC                                 | A4                |
| Remote trip release, rated voltage 48 V AC / DC                             | A6                |
| Remote trip release, rated voltage 24 V AC / DC                             | A7                |
| Remote trip release, rated voltage 12 V AC / DC                             | A8                |
| without release / lock-out latch  | C0                |
| Undervoltage release with additional contact, rated voltage 240 V AC        | E2                |
| Undervoltage release with additional contact, rated voltage 230 V AC        | E3                |
| Undervoltage release with additional contact, rated voltage 120 V AC        | E4                |
| Undervoltage release with additional contact, rated voltage 48 V AC / DC    | E6                |
| Undervoltage release with additional contact, rated voltage 24 V AC / DC    | E7                |
| Undervoltage release with additional contact, rated voltage 12 V AC / DC    | E8                |
| Undervoltage release with additional contact, rated voltage 5 V AC / DC     | E9                |
| Mechanical lock-out latch   | S0                |
| Undervoltage release, rated voltage 240 V AC                                | U2                |
| Undervoltage release, rated voltage 230 V AC                                | U3                |
| Undervoltage release, rated voltage 120 V AC                                | U4                |
| Undervoltage release, rated voltage 48 V AC / DC                            | U6                |
| Undervoltage release, rated voltage 24 V AC / DC                            | U7                |
| Undervoltage release, rated voltage 12 V AC / DC                            | U8                |
| Undervoltage release, rated voltage 5 V AC / DC                             | U9                |
| Undervoltage release with 2 additional contacts, rated voltage 240 V AC     | Z2                |
| Undervoltage release with 2 additional contacts, rated voltage 230 V AC     | Z3                |
| Undervoltage release with 2 additional contacts, rated voltage 120 V AC     | Z4                |
| Undervoltage release with 2 additional contacts, rated voltage 48 V AC / DC | Z6                |
| Undervoltage release with 2 additional contacts, rated voltage 24 V AC / DC | Z7                |
| Undervoltage release with 2 additional contacts, rated voltage 12 V AC / DC | Z8                |
| Undervoltage release with 2 additional contacts, rated voltage 5 V AC / DC  | Z9                |

## TA45 - AK2 W F 120 **A2** - **AZM11** = Accessories

| Factory mounted accessories                         | Configuration key |
|---|-------------------|
| Without cover                                       |                   |
| Collar with cover, IP54                             | AZM01             |
| Raised collar with cover, IP54                      | AZM02             |
| Raised collar, IP40                                 | AZM03             |
| Raised collar with cover narrow, IP54               | AZM10             |
| Partially raised collar with cover, narrow, IP54    | AZM11             |
| Partially raised collar without cover, narrow, IP40 | AZM12             |
| Raised collar narrow, IP40                          | AZM13             |
| Raised collar with cover narrow, IP54               | AZM14             |

For subsequent fitting accessories see:

[http://www.schurter.ch/pdf/english/typ\\_TA45-ACC.pdf](http://www.schurter.ch/pdf/english/typ_TA45-ACC.pdf)

## Variants

| Thermal overload protection | Addition | connection type        | Illumination               | Actuator colour    | Legend        | Rated current  | Accessories                           | Config. Code          | Order Number |
|-----------------------------|----------|------------------------|----------------------------|--------------------|---------------|--|---------------------------------------|-----------------------|--------------|
| 2-pole                      |          | Quick connect terminal | without illumination       | White              | black printed | 5.0 A  | Without cover                         | TA45-ABDWK050U3       | 4430.1564    |
| 2-pole                      |          | Quick connect terminal | illumination 220 V...240 V | Orange transparent | white printed | 4.0 A  | Collar with cover, IP54               | TA45-A326L040U2-AZM01 | 4430.2609    |
|                             |          | Quick connect terminal | without illumination       | White              | embossed      | without thermal overload protection / temporarily without VDE approval | Raised collar, IP40                   | TA45-ABCWFC00U4-AZM03 | 4430.2781    |
| 1-pole                      |          | Quick connect terminal | without illumination       | Yellow             | black printed | 8.0 A  | Raised collar with cover narrow, IP54 | TA45-ABTYK080E3-AZM10 | 4430.2960    |
| 1-pole                      |          | Quick connect terminal | without illumination       | Orange             | black printed | 8.0 A  | Without cover                         | TA45-ABTXM080E2       | 4430.3240    |

 Most Popular.

Availability for all products can be searched real-time: <http://www.schurter.com/Stock-Check/Stock-Check-SCHURTER>

## Packaging Unit

1 Pcs

## Accessories

## Description



TA45-ACC  
Accessories to TA45

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## Schurter:

|                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |
|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| <a href="#"><u>4430.0003</u></a> | <a href="#"><u>4430.0479</u></a> | <a href="#"><u>4430.0523</u></a> | <a href="#"><u>4430.0779</u></a> | <a href="#"><u>4430.1017</u></a> | <a href="#"><u>4430.1097</u></a> | <a href="#"><u>4430.1252</u></a> | <a href="#"><u>4430.1564</u></a> | <a href="#"><u>4430.1592</u></a> | <a href="#"><u>4430.1637</u></a> |
| <a href="#"><u>4430.1925</u></a> | <a href="#"><u>4430.1961</u></a> | <a href="#"><u>4430.1962</u></a> | <a href="#"><u>4430.2215</u></a> | <a href="#"><u>4430.2226</u></a> | <a href="#"><u>4430.2335</u></a> | <a href="#"><u>4430.2462</u></a> | <a href="#"><u>4430.2487</u></a> | <a href="#"><u>4430.2568</u></a> | <a href="#"><u>4430.2588</u></a> |
| <a href="#"><u>4430.2643</u></a> | <a href="#"><u>4430.2693</u></a> | <a href="#"><u>4430.2806</u></a> | <a href="#"><u>4430.2987</u></a> | <a href="#"><u>4430.3018</u></a> | <a href="#"><u>4430.3019</u></a> | <a href="#"><u>4430.3167</u></a> | <a href="#"><u>4430.3263</u></a> | <a href="#"><u>4430.3324</u></a> | <a href="#"><u>4430.3361</u></a> |
| <a href="#"><u>4430.3392</u></a> | <a href="#"><u>4430.3505</u></a> | <a href="#"><u>4430.3524</u></a> | <a href="#"><u>4430.3545</u></a> | <a href="#"><u>4430.1189</u></a> | <a href="#"><u>4430.1334</u></a> | <a href="#"><u>4430.2374</u></a> | <a href="#"><u>4430.2496</u></a> | <a href="#"><u>4430.3052</u></a> | <a href="#"><u>4430.3426</u></a> |
| <a href="#"><u>4430.3607</u></a> | <a href="#"><u>4430.3614</u></a> | <a href="#"><u>4430.3667</u></a> | <a href="#"><u>4430.2781</u></a> | <a href="#"><u>4430.3777</u></a> | <a href="#"><u>4430.2044</u></a> | <a href="#"><u>4430.0810</u></a> | <a href="#"><u>4430.2520</u></a> | <a href="#"><u>4430.1610</u></a> | <a href="#"><u>4430.2201</u></a> |