Thermal (T- and TA-Line) www.schurter.com /PG17_20

Circuit Breaker for Equipment thermal, 2 pole, Rocker actuation





Applications

())

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

Technical Data

| - | Fower tools |
|---|-----------------------|
| - | Industrial appliances |
| - | Power supplies |

Weblinks

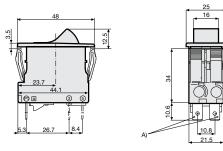
pdf-datasheet, html-datasheet, General Product Information, Approvals, CE declaration of conformity, RoHS, CHINA-RoHS, REACH, Distributor-Stock-Check, Detailed request for product, Product News

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

| Overload | AC: min. 40 trips @ 6 x lr |
|----------------------|---------------------------------|
| | DC: min. 40 trips |
| | @ 4 x lr |
| Ambient temperature | -10 °C to 55 °C |
| Vibration Resistance | ± 0.75 mm @ 5 - 60 Hz |
| | acc. to IEC 60068-2-6, test Fc |
| | 10 G @ 60 - 500 Hz |
| | acc. to IEC 60068-2-6, test Fc |
| Shock Resistance | 30 G / 18ms |
| | acc. to IEC 60068-2-27, test Ea |
| Tripping Type | Thermal |
| Actuation type | Rocker |
| Weight | 30 - 35 g |

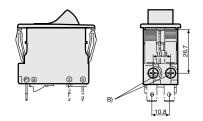
Dimension

Quick connect terminal



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

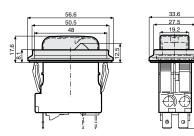
Screw clamp terminal



B) Screw type M3, 5x6 (Philips Form H), maximum torque 1 Nm

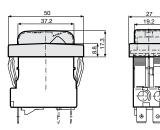
Accessories / factory mounted

AZM01 / Collar with cover, IP54

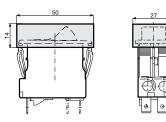


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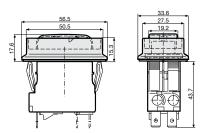
AZM10 / Collar with cover, narrow, IP54



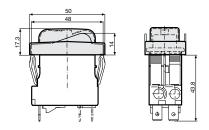
AZM13 / Raised collar narrow, IP40



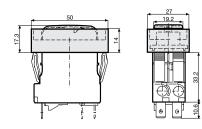
AZM02 / Raised collar with cover, narrow, IP54 AZM03 / Raised collar, IP40



AZM11 / Partially raised collar with cover, narrow, IP54 AZM12 / Partially raised collar without cover, narrow, IP40

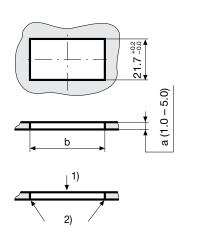


AZM14 / Raised collar with cover narrow, IP54

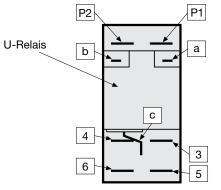


Cut-out and pin-out Cut-out snap-in type

Pin-out



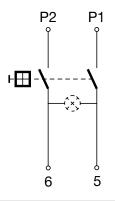
| а | b |
|------------|----------------------|
| 1.0 | 44,545,0 |
| 1.5 2.0 | 44,545,0 44,745,2 |
| 2.5 | 44,745,2 |
| 3.0 | 44,845,3 |
| 4.0 | 44,945,4 |
| 5.0 | 45,045,5 |



1) Assemble 2) edge must be sharp

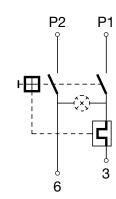
Diagrams

Without thermal overload protection





2 pole thermal overload protection

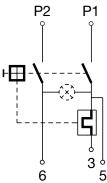


P2

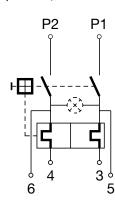
P1

3

1 pole thermal overload protection, Shunt terminal



2 pole thermal overload protection, Shunt terminal



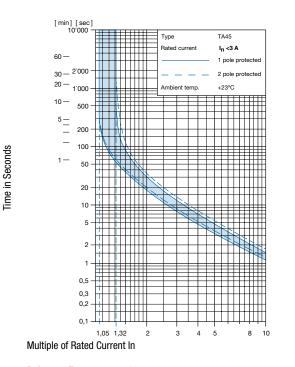
Effect of ambient temperature

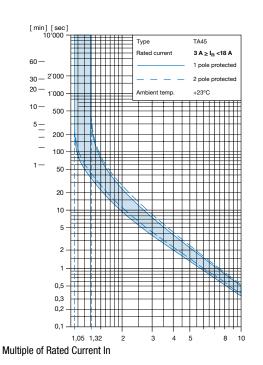
The units are calibrated for an ambient temperature of +23°C. To determine the rated current for a lower or higher ambient temperature, use a correction factor (typical value) from the table below:

| 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

Time-Current-Curves

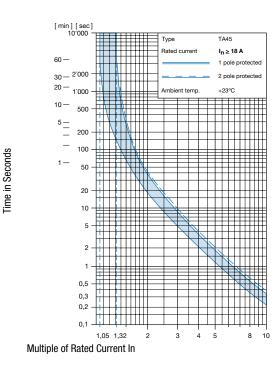




Reference Temperature +23°

Reference Temperature +23°

Time in Seconds



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 V240 V | A02 |
| 2-pole, rocker, flat connection, illuminated 110 V120 V | A04 |
| 2-pole, rocker, flat connection, illuminated 220 V26 V | A07 |
| 2-pole, rocker, flat connection, illuminated 10 V13 V | A08 |
| 2-pole, rocker, flat connection, illuminated 4 V7 V | A09 |
| 2-pole, rocker, 1pole overload protection, flat connection, illuminated 220 V240 V $$ | A12 |
| 2-pole, rocker, 1pole overload protection, flat connection, illuminated 110 V120 V $\!\!\!$ | A14 |
| 2-pole, rocker, 1pole overload protection, flat connection, illuminated 20 V26 V $$ | A17 |
| 2-pole, rocker, 1pole overload protection, flat connection, illuminated 10 V13 V $$ | A18 |
| 2-pole, rocker, 1pole overload protection, flat connection, illuminated 4 V7 V $$ | A19 |
| 2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, illuminated 220 V240 V $$ | A22 |
| 2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, illuminated 110 V120 V $$ | A24 |
| 2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, illuminated 20 V26 V $$ | A27 |
| 2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, illuminated 10 V13 V $$ | A28 |
| 2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, illuminated 4 $V7$ V | A29 |
| 2-pole, rocker, 2pole overload protection, flat connection, illuminated 220 V240 V | A32 |
| 2-pole, rocker, 2pole overload protection, flat connection, illuminated 110 V120 V | A34 |
| 2-pole, rocker, 2pole overload protection, flat connection, illuminated 20 V26 V | A37 |
| 2-pole, rocker, 2pole overload protection, flat connection, illuminated 10 V13 V $$ | A38 |
| 2-pole, rocker, 2pole overload protection, flat connection, illuminated 4 V7 V $$ | A39 |
| 2-pole, rocker, 2pole overload protection, shunt terminal, flat connection, illuminated 220 V240 V $$ | A42 |
| 2-pole, rocker, 2pole overload protection, shunt terminal, flat connection, illuminated 110 V120 V $$ | A44 |
| 2-pole, rocker, 2pole overload protection, shunt terminal, flat connection, illuminated 20 V26 V $$ | A47 |
| 2-pole, rocker, 2pole overload protection, shunt terminal, flat connection, illuminated 10 V13 V $$ | A48 |
| 2-pole, rocker, 2pole overload protection, shunt terminal, flat connection, illuminated 4 $\text{V}7$ V | A49 |
| 2-pole, rocker, screw connection, illuminated 220 V240 V | A52 |
| 2-pole, rocker, screw connection, illuminated 110 V120 V | A54 |
| 2-pole, rocker, screw connection, illuminated 20 V26 V | A57 |
| 2-pole, rocker, screw connection, illuminated 10 V13 V | A58 |
| 2-pole, rocker, screw connection, illuminated 4 V7 V | A59 |
| 2-pole, rocker, 1pole overload protection, screw connection, illuminated 220 V240 V | A62 |
| 2-pole, rocker, 1pole overload protection, screw connection, illuminated 110 V120 V | A64 |
| 2-pole, rocker, 1pole overload protection, screw connection, illuminated 20 V26 V $$ | A67 |
| 2-pole, rocker, 1pole overload protection, screw connection, illuminated 10 V13 V | A68 |
| 2-pole, rocker, 1pole overload protection, screw connection, illuminated 4 $\ensuremath{V7}\xspace$ V | A69 |
| 2-pole, rocker, 1pole overload protection, shunt terminal, screw connection, illuminated 220 V240 V | A72 |
| 2-pole, rocker, 1pole overload protection, shunt terminal, screw connection, illuminated 110 V120 V | A74 |
| 2-pole, rocker, 1pole overload protection, shunt terminal, screw connection, illuminated 20 V26 V $$ | A77 |

| 2-pole, rocker, 1pole overload protection, shunt terminal, screw connection, A78 2-pole, rocker, 2pole overload protection, screw connection, illuminated 407V A82 2-pole, rocker, 2pole overload protection, screw connection, illuminated 407V A84 10120V A84 2-pole, rocker, 2pole overload protection, screw connection, illuminated A84 10120V A87 2-pole, rocker, 2pole overload protection, screw connection, illuminated A84 1013V A87 2-pole, rocker, 2pole overload protection, screw connection, illuminated A88 V7V A89 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, A92 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, A94 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, A94 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, A94 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, A97 illuminated 407V 2-pole, rocker, 2pole overload protection, shunt terminal, fat connection, A95 -pole, rocker, 2pole overload protection, shunt terminal, fat connection, A97 | Basic function | Configuration key |
|---|--|-------------------|
| illuminated 4 V7 V 2-pole, rocker, 2pole overload protection, screw connection, illuminated A82 2-pole, rocker, 2pole overload protection, screw connection, illuminated A84 10 V120 V A87 2-pole, rocker, 2pole overload protection, screw connection, illuminated A87 2-pole, rocker, 2pole overload protection, screw connection, illuminated A88 10 V13 V A88 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, A92 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, A94 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, A94 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, A94 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, A97 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, A98 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, A97 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, A97 2-pole, rocker, 2pole overload protection, shunt terminal, fat connection, A86 2-pole, rocker, 2pole overload protection, shunt terminal, fat connection, A87 2-pole, rocker, 1pole overload | | A78 |
| 220V240V 2-pole, rocker, 2pole overload protection, screw connection, illuminated A84 10V120V A87 2-pole, rocker, 2pole overload protection, screw connection, illuminated A87 2-pole, rocker, 2pole overload protection, screw connection, illuminated A88 10V13V A89 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, illuminated 220W240V A89 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, illuminated 10W120V A94 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, illuminated 10W120V A94 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, illuminated 10W13V A96 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, illuminated 10W13V A96 2-pole, rocker, 2pole overload protection, shunt terminal, flat connection, without illumination A86 2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, without illumination A86 2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, without illumination A86 2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, without illumination A86 2-pole, rocker, 1pole overload protection, flat connection, momentary switch, without illumination | | A79 |
| 110 V120 V 2-pole, rocker, 2pole overload protection, screw connection, illuminated A87 20 V26 V 2-pole, rocker, 2pole overload protection, screw connection, illuminated A88 10 V13 V A99 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, illuminated 10 V13 V A92 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, illuminated 20 V26 V A94 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, illuminated 10 V13 V A94 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, illuminated 20 V26 V A97 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, illuminated 20 V30 V A99 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, illuminated 4 V7 V A99 2-pole, rocker, 1at connection, without illumination ABC 2-pole, rocker, 1at connection, without illumination ABC 2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, AB7 2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, AB7 2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, AB7 2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, AE7 | | A82 |
| 20.V26 V 2-pole, rocker, 2pole overload protection, screw connection, illuminated A88 10.V13 V 2-pole, rocker, 2pole overload protection, screw connection, illuminated 4 A89 V7 V 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, illuminated 220 V240 V A92 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, illuminated 110 V120 V A94 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, illuminated 10 V13 V A97 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, illuminated 10 V13 V A98 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, illuminated 4 V7 V A98 2-pole, rocker, 1pole overload protection, flat connection, without illumi- nation ABC 2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, without illumi- nation ABF 2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, without illumi- nation ABC 2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, ABG ABF without illumination AEC 2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, AEG ABD 2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, AEG AED <tr< td=""><td></td><td>A84</td></tr<> | | A84 |
| 10 V13 V 2-pole, rocker, 2pole overload protection, screw connection, illuminated 4 A89 V7 V A90 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, illuminated 20 V240 V A94 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, illuminated 10 V120 V A94 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, illuminated 10 V13 V A97 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, illuminated 10 V13 V A98 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, illuminated 10 V13 V A98 2-pole, rocker, 2pole overload protection, shunt terminal, flat connection, without illumination ABC 2-pole, rocker, 2pole overload protection, flat connection, without illumination ABC 2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, without illumination ACC 2-pole, rocker, 1pole overload protection, flat connection, without illumination ACC 2-pole, rocker, 1pole overload protection, flat connection, momentary switch, without illumination ACC 2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, momentary switch, without illumination ACC 2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, momentary switch, without illumination | | A87 |
| V7 V 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, A92 illuminated 220 V240 V A94 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, A94 illuminated 110 V120 V A97 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, A97 illuminated 10 V120 V A98 illuminated 20 V260 V A94 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, A97 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, A99 illuminated 4 V7 V A99 2-pole, rocker, 1pole overload protection, flat connection, without illumination ABC 2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, ABF without illumination AEC 2-pole, rocker, 1pole overload protection, flat connection, without illumi- ABT 2-pole, rocker, 1pole overload protection, flat connection, without illumination AEC 2-pole, rocker, 1pole overload protection, flat connection, momentary switch, without illumination AEC 2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, momentary switch, without illumination AEC 2-pole, rocker, 2p | | A88 |
| illuminated 220 V240 V 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, A94 illuminated 110 V120 V A97 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, A98 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, A98 illuminated 10 V13 V A98 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, A98 2-pole, rocker, 2pole overload protection, flat connection, without illumi- A90 11luminated 4 V7 V Spole, rocker, 1pole overload protection, flat connection, without illumi- ABD 2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, ABF 2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, ABG 2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, ABG 2-pole, rocker, 1pole overload protection, flat connection, without illumination AEC 2-pole, rocker, 1pole overload protection, flat connection, momentary AED 2-pole, rocker, 1pole overload protection, flat connection, momentary AEC 2-pole, rocker, 2pole overload protection, flat connection, without illumination AEC 2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, | | A89 |
| illuminated 110 V120 V 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, A97 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, A98 illuminated 10 V13 V A98 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, A99 illuminated 10 V13 V A97 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, A99 2-pole, rocker, 2pole overload protection, flat connection, without illumination ABC 2-pole, rocker, 2pole overload protection, shunt terminal, flat connection, ABF without illumination ABF 2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, ABG 2-pole, rocker, 1pole overload protection, flat connection, without illumination AEC 2-pole, rocker, 2pole overload protection, flat connection, momentary AED switch, without illumination AEC 2-pole, rocker, 2pole overload protection, shunt terminal, flat connection, AEG momentary switch, without illumination AEC 2-pole, rocker, 2pole overload protection, shunt terminal, flat connection, AEG pole, rocker, 2pole overload protection, shunt terminal, flat connection, | | A92 |
| illuminated 20 V 26 V 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, A98 :lluminated 10 V 13 V A99 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, A99 :lluminated 4 V 7 V ABD 2-pole, rocker, 2pole overload protection, flat connection, without illumination ABC 2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, ABF without illumination ABG 2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, ABF 2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, ABG without illumination AEC 2-pole, rocker, 1pole overload protection, flat connection, without illumination AEC 2-pole, rocker, 2pole overload protection, shunt terminal, flat connection, AED 2-pole, rocker, 2pole overload protection, shunt terminal, flat connection, AEC 2-pole, rocker, 2pole overload protection, shunt terminal, flat connection, AEC 2-pole, rocker, 2pole overload protection, shunt terminal, flat connection, AEC 2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, AEC 2-pole, rocker, 2pole overload protection, shunt terminal, flat connection, AEC <td></td> <td>A94</td> | | A94 |
| illuminated 10 V 13 V A99 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, A99 2-pole, rocker, 2pole overload protection, flat connection, without illumination ABC 2-pole, rocker, 2pole overload protection, shunt terminal, flat connection, without illumination ABD 2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, ABF without illumination ABG 2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, ABG 2-pole, rocker, 2pole overload protection, flat connection, without illumination AEC 2-pole, rocker, 1pole overload protection, flat connection, momentary AED 2-pole, rocker, 2pole overload protection, shunt terminal, flat connection, AEF 2-pole, rocker, 2pole overload protection, shunt terminal, flat connection, AEF 2-pole, rocker, 2pole overload protection, shunt terminal, flat connection, AEF 2-pole, rocker, 2pole overload protection, shunt terminal, flat connection, AEF 2-pole, rocker, 2pole overload protection, shunt terminal, flat connection, AEF 2-pole, rocker, 2pole overload protection, shunt terminal, flat connection, AHC 2-pole, rocker, 2pole overload protection, screw connection, without illumination AHC | | A97 |
| illuminated 4 V7 V 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 ABF 2-pole, rocker, 1pole overload protection, flat connection, without illumination ABT 2-pole, rocker, 1pole overload protection, flat connection, without illumination AEC 2-pole, rocker, 1pole overload protection, flat connection, momentary ABT 2-pole, rocker, 1pole overload protection, flat connection, momentary AED switch, without illumination AEC 2-pole, rocker, 2pole overload protection, shunt terminal, flat connection, momentary AED switch, without illumination AEG 2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, momentary AEG 2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, without illumination AEG 2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, without illumination AEG 2-pole, rocker, 1pole overload protection, shunt terminal, screw connection, without illumination AHC 2-pole, rock | | A98 |
| 2-pole, rocker, 2pole overload protection, flat connection, without illumi- nationABD2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, without illuminationABF2-pole, rocker, 2pole overload protection, shunt terminal, flat connection, without illuminationABG2-pole, rocker, 1pole overload protection, flat connection, without illumi- nationABG2-pole, rocker, 1pole overload protection, flat connection, without illumi- nationABT2-pole, rocker, 1pole overload protection, flat connection, momentary switch, without illuminationAEC2-pole, rocker, 2pole overload protection, shunt terminal, flat connection, momentary switch, without illuminationAEF2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, momentary switch, without illuminationAEG2-pole, rocker, 1pole overload protection, flat connection, momentary switch, without illuminationAHC2-pole, rocker, 1pole overload protection, screw connection, without illu- | | A99 |
| nation2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, without illuminationABF2-pole, rocker, 2pole overload protection, shunt terminal, flat connection, without illuminationABG2-pole, rocker, 1pole overload protection, flat connection, without illumi- nationABT2-pole, rocker, 1pole overload protection, flat connection, without illumi- nationABT2-pole, rocker, 1pole overload protection, flat connection, momentary switch, without illuminationAEC2-pole, rocker, 2pole overload protection, shunt terminal, flat connection, momentary switch, without illuminationAEF2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, momentary switch, without illuminationAEG2-pole, rocker, 1pole overload protection, flat connection, momentary switch, without illuminationAEG2-pole, rocker, 1pole overload protection, flat connection, momentary switch, without illuminationAHC2-pole, rocker, 2pole overload protection, screw connection, without illu- minationAHF2-pole, rocker, 1pole overload protection, screw connection, without illu- minationAHF2-pole, rocker, 1pole overload protection, shunt terminal, screw connection, without illuminationAHF2-pole, rocker, 1pole overload protection, screw connection, without illuminationAJC2-pole, rocker, 1pole overload protection, screw connection, momentary without illuminationAJC2-pole, rocker, 2pole overload protection, screw connection, momentary without illuminationAJC2-pole, rocker, 1pole overload protection, screw connection, momentary switch, without illum | 2-pole, rocker, flat connection, without illumination | ABC |
| without illuminationABG2-pole, rocker, 2pole overload protection, shunt terminal, flat connection, without illuminationABG2-pole, rocker, 1pole overload protection, flat connection, without illuminationABT2-pole, rocker, flat connection, momentary switch, without illuminationAEC2-pole, rocker, 2pole overload protection, flat connection, momentary switch, without illuminationAED2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, momentary switch, without illuminationAEF2-pole, rocker, 2pole overload protection, shunt terminal, flat connection, momentary switch, without illuminationAEG2-pole, rocker, 2pole overload protection, shunt terminal, flat connection, momentary switch, without illuminationAEG2-pole, rocker, 1pole overload protection, flat connection, momentary switch, without illuminationAEG2-pole, rocker, 2pole overload protection, flat connection, momentary switch, without illuminationAEG2-pole, rocker, 2pole overload protection, screw connection, without illuminationAHC2-pole, rocker, 2pole overload protection, screw connection, without illuminationAHC2-pole, rocker, 1pole overload protection, screw connection, without illuminationAHG2-pole, rocker, 1pole overload protection, screw connection, without illuminationAJC2-pole, rocker, 1pole overload protection, screw connection, without illuminationAJC2-pole, rocker, 2pole overload protection, screw connection, without illuminationAJC2-pole, rocker, 1pole overload protection, screw connection, momentary switch, without illuminationAJC | | ABD |
| without illumination2-pole, rocker, 1pole overload protection, flat connection, without illuminationABT2-pole, rocker, flat connection, momentary switch, without illuminationAEC2-pole, rocker, 2pole overload protection, flat connection, momentaryAEDswitch, without illuminationAEF2-pole, rocker, 1pole overload protection, shunt terminal, flat connection,AEFswitch, without illuminationAEG2-pole, rocker, 2pole overload protection, shunt terminal, flat connection,AEGmomentary switch, without illuminationAEG2-pole, rocker, 1pole overload protection, flat connection, momentaryAET2-pole, rocker, 2pole overload protection, flat connection, momentaryAET2-pole, rocker, 2pole overload protection, screw connection, without illuminationAHC2-pole, rocker, 2pole overload protection, screw connection, without illuminationAHC2-pole, rocker, 2pole overload protection, shunt terminal, screw connection,AHF2-pole, rocker, 1pole overload protection, screw connection, without illuminationAHC2-pole, rocker, 1pole overload protection, screw connection, without illuminationAHC2-pole, rocker, 2pole overload protection, screw connection, without illuminationAJC2-pole, rocker, 1pole overload protection, screw connection, without illuminationAJC2-pole, rocker, 2pole overload protection, screw connection, momentaryAJD2-pole, rocker, 2pole overload protection, screw connection, momentaryAJC2-pole, rocker, 2pole overload protection, screw connection, momentaryAJC2-pole, rocker, 2p | | ABF |
| nationProcessing processing processing without information in the interval of the int | | ABG |
| 2-pole, rocker, 2pole overload protection, flat connection, momentary AED switch, without illumination AEF 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, 1pole overload protection, screw connection, momentary switch, without illumination AHC 2-pole, rocker, 2pole overload protection, screw connection, without illumination AHC 2-pole, rocker, 2pole overload protection, screw connection, without illumination AHC 2-pole, rocker, 1pole overload protection, shunt terminal, screw connection, without illumination AHC 2-pole, rocker, 1pole overload protection, shunt terminal, screw connection, without illumination AHF 2-pole, rocker, 1pole overload protection, screw connection, without illumination AHG 2-pole, rocker, 2pole overload protection, screw connection, without illumination AJC 2-pole, rocker, 1pole overload protection, screw connection, without illumination AJC 2-pole, rocker, 1pole overload protection, screw connection, without illumination AJC 2-pole, rocker, 2pole overload protection, screw connecti | | ABT |
| switch, without illumination AEF 2-pole, rocker, 1pole overload protection, shunt terminal, flat connection, momentary switch, without illumination AEG 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, 1pole overload protection, flat connection, momentary AET switch, without illumination AHC 2-pole, rocker, screw connection, without illumination AHC 2-pole, rocker, 2pole overload protection, screw connection, without illumination AHC 2-pole, rocker, 1pole overload protection, shunt terminal, screw connection, without illumination AHF 2-pole, rocker, 1pole overload protection, shunt terminal, screw connection, without illumination AHF 2-pole, rocker, 1pole overload protection, screw connection, without illumination AHG 2-pole, rocker, 1pole overload protection, screw connection, without illumination AJC 2-pole, rocker, 2pole overload protection, screw connection, momentary switch, without illumination AJC 2-pole, rocker, 1pole overload protection, screw connection, momentary switch, without illumination AJC 2-pole, rocker, 1pole overload protection, screw connection, momentary switch, without illumination AJC< | 2-pole, rocker, flat connection, momentary switch, without illumination | AEC |
| momentary switch, without illumination AEG 2-pole, rocker, 2pole overload protection, shunt terminal, flat connection, momentary switch, without illumination AET 2-pole, rocker, 1pole overload protection, flat connection, momentary switch, without illumination AHT 2-pole, rocker, screw connection, without illumination AHC 2-pole, rocker, screw connection, screw connection, without illumination AHC 2-pole, rocker, 2pole overload protection, screw connection, without illumination AHC 2-pole, rocker, 1pole overload protection, shunt terminal, screw connection, without illumination AHF 2-pole, rocker, 1pole overload protection, shunt terminal, screw connection, without illumination AHF 2-pole, rocker, 1pole overload protection, shunt terminal, screw connection, without illumination AHG 2-pole, rocker, 1pole overload protection, screw connection, without illumination AJC 2-pole, rocker, screw connection, momentary switch, without illumination AJC 2-pole, rocker, screw connection, screw connection, momentary switch, without illumination AJF 2-pole, rocker, 1pole overload protection, screw connection, momentary switch, without illumination AJC 2-pole, rocker, 1pole overload protection, screw connection, momentary switch, without illumination AJC 2-pole, rocker, 1pole overload protection, shunt terminal, screw conne | | AED |
| momentary switch, without illumination AET 2-pole, rocker, 1pole overload protection, flat connection, momentary AET switch, without illumination AHC 2-pole, rocker, screw connection, without illumination AHC 2-pole, rocker, 2pole overload protection, screw connection, without illumination AHC 2-pole, rocker, 1pole 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 AHF 2-pole, rocker, 1pole overload protection, screw connection, without illumination AHG 2-pole, rocker, 1pole overload protection, screw connection, without illumination AJC 2-pole, rocker, 2pole overload protection, screw connection, momentary AJD 2-pole, rocker, 1pole overload protection, screw connection, momentary AJF 2-pole, rocker, 2pole overload protection, screw connection, momentary AJF 2-pole, rocker, 2pole overload protection, screw connection, momentary AJD 2-pole, rocker, 1pole overload protection, shunt terminal, screw connection, AJF Protection, shunt terminal, screw connection, AJF 2-pole, rocker, 1pole overload protection, shunt terminal, screw connection, AJG | | AEF |
| switch, without illumination AHC 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 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, 2pole overload protection, screw connection, without illumination AJC 2-pole, rocker, 2pole overload protection, screw connection, momentary switch, without illumination AJC 2-pole, rocker, 1pole overload protection, screw connection, momentary switch, without illumination AJC 2-pole, rocker, 1pole overload protection, screw connection, momentary switch, without illumination AJF 2-pole, rocker, 1pole overload protection, shunt terminal, screw connection, AJF AJG 2-pole, rocker, 1pole overload protection, shunt terminal, screw connection, AJG AJG 2-pole, rocker, 1pole overload protection, screw connection, momentary switch, without illumination AJG 2-pole, rocker, 1pole overload protection, screw connection, momentary switch, without | | AEG |
| 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, 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, screw connection, momentary switch, without illumination AJC 2-pole, rocker, 1pole overload protection, screw connection, momentary switch, without illumination AJC 2-pole, rocker, 1pole overload protection, shunt terminal, screw connection, AJF momentary switch, without illumination AJG 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, AJG momentary switch, without illumination AJG 2-pole, rocker, 1pole overload protection, screw connection, momentary AJG 2-pole, rocker, 1pole overload protection, screw connection, momentary AJG | | AET |
| mination 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 AHG 2-pole, rocker, 1pole overload protection, screw connection, without illumination AHT 2-pole, rocker, 2pole overload protection, screw connection, without illumination AJC 2-pole, rocker, 2pole overload protection, screw connection, momentary switch, without illumination AJC 2-pole, rocker, 1pole overload protection, screw connection, momentary switch, without illumination AJC 2-pole, rocker, 1pole overload protection, shunt terminal, screw connection, AJF momentary switch, without illumination AJF 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, AJF AJG 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, AJF AJG 2-pole, rocker, 1pole overload protection, screw connection, momentary switch, without illumination AJG 2-pole, rocker, 1pole overload protection, screw connection, momentary switch, without illumination AJG | 2-pole, rocker, screw connection, without illumination | AHC |
| without illumination AHG 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 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 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, momentary switch, without illumination AJF 2-pole, rocker, 1pole overload protection, shunt terminal, screw connection, AJG AJG 2-pole, rocker, 1pole overload protection, screw connection, momentary switch, without illumination AJG | | AHD |
| without illumination AHT 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, screw connection, momentary switch, without illumination AJF 2-pole, rocker, 1pole overload protection, shunt terminal, screw connection, momentary switch, without illumination AJF 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 AJG 2-pole, rocker, 1pole overload protection, screw connection, momentary AJG | | AHF |
| mination 2-pole, rocker, screw connection, momentary switch, without illumination AJC 2-pole, rocker, 2pole overload protection, screw connection, momentary AJD switch, without illumination AJC 2-pole, rocker, 1pole overload protection, shunt terminal, screw connection, momentary AJF 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, momentary switch, without illumination AJF 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, momentary switch, without illumination AJG 2-pole, rocker, 1pole overload protection, screw connection, momentary AJG 2-pole, rocker, 1pole overload protection, screw connection, momentary AJT | | AHG |
| 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 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, momentary switch, without illumination AJF 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, momentary switch, without illumination AJG 2-pole, rocker, 1pole overload protection, screw connection, momentary AJT | | AHT |
| switch, without illumination 2-pole, rocker, 1pole overload protection, shunt terminal, screw connection, momentary switch, without illumination AJF 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 AJG 2-pole, rocker, 1pole overload protection, screw connection, momentary AJT | 2-pole, rocker, screw connection, momentary switch, without illumination | AJC |
| momentary switch, without illumination 2-pole, rocker, 2pole overload protection, shunt terminal, screw connection, momentary switch, without illumination AJG 2-pole, rocker, 1pole overload protection, screw connection, momentary AJT | | AJD |
| momentary switch, without illumination 2-pole, rocker, 1pole overload protection, screw connection, momentary AJT | | AJF |
| | | AJG |
| | | AJT |

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

| Actuator colour | Configuration key |
|-------------------|----------------------|
| Clear transparent | 1 |

Configuration

200

| Actuator colour | Configuration key |
|--------------------|-------------------|
| Red transparent | 3 |
| Green transparent | 4 |
| Orange transparent | 6 |
| Black | В |
| Green | G |
| Red | R |
| White | W |
| Orange | Х |
| Yellow | Y |

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

| Legend | | Configuration key |
|---------------|-----------|----------------------|
| embossed | - 0 | F |
| white printed | OFF | Н |
| black printed | OFF | К |
| white printed | - 0 | L |
| black printed | - 0 | М |
| white printed | 10 | Р |
| black printed | 10 | R |
| white printed | ON OFF | S |
| black printed | OFF ON | т |

| nated current | key |
|---------------|-----|
| 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 |
| | |

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 |
| 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 |

Other rated currents on request

Other rated currents on request

20.0 A

Rated current

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

| Release / lock-out latch | Configuration key |
|-----------------------------------|----------------------|
| whithout release / lock-out latch | CO |

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 |
| For subsequent fitting accessories see: | |

For subsequent fitting accessories see:

http://www.schurter.ch/pdf/english/typ_TA45-ACC.pdf

| Factory mounted accessories | Configuration key |
|---|-------------------|
| Raised collar with cover narrow, IP54 | AZM10 |
| Partially raised collar with cover, narrow, IP54 | AZM11 |
| Partially raised collarwithout cover, narrow, IP40 | AZM12 |
| For subsequent fitting accessories see: | |
| http://www.schurter.ch/pdf/english/typ_TA45-ACC.pdf | |

| Factory mounted accessories | Configuration key |
|---|----------------------|
| 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

Variants

| Thermal overload pro- tection | Addition | connection type | Illumination | Actuator colour | Legend | Rated current | Accessories | Config. Code | Order Number |
|-------------------------------------|----------|---------------------------|---------------------------|-----------------|---------------|---------------|---------------|-----------------|--------------|
| 1-pole | | Quick connect terminal | without illu- mination | White | embossed | 10.0 A | Without cover | TA45-ABTWF100C0 | 4430.0022 |
| 2-pole | | Quick connect terminal | without illu- mination | Black | white printed | 15.0 A | Without cover | TA45-ABDBL150C0 | 4430.1089 |
| 2-pole | | Quick connect terminal | without illu- mination | Black | white printed | 15.0 A | Without cover | TA45-ABDBS150C0 | 4430.1328 |

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