## IEC Appliance Inlet C20 with Circuit Breaker TA35 1-pole

**Rocker black**
Lettering white, non-illuminated
Snap-in mounting from front side

**Rocker red**
illuminated
Snap-in mounting from front side

**Rocker green**
illuminated
Snap-in mounting from front side

C20

70° C

See below:
**Approvals and Compliances**

### Description
- Panel mount :
  Snap-in version from front side
- 2 Functions :
  Appliance Inlet , Protection class I , Circuit breaker type TA35 , 1-pole
- Quick connect terminals 6.3 x 0.8 mm

### Characteristics
- Unwired
- Switch non-illuminated or illuminated
- Suitable for use in equipment according to IEC/UL 60950

### Other versions on request
- Pre-wired version
- Quick connect terminals 4.8 x 0.8 mm
- Protection class II, 70°C

### References
Alternative: version for 10 A (15 A)   6135
Substitute for type   1624-K

### Weblinks
pdf data sheet, html datasheet, General Product Information, Distributor-Stock-Check, Accessories, Detailed request for product, Landing Page

Newly available variants corresponding to V-Lock mating cordset. The connector is equipped with a notch intended for use with the latching cordset. The cord latching system prevents against accidental removal of the cordset.

### Technical Data

| | | | |
|---|---|---|---|
| Ratings IEC | 16 A / 250 VAC; 50 Hz | appliance inlet/-outlet | C20 acc. to IEC 60320-1, UL 60320-1, CSA C22.2 no. 60320-1 (for cold conditions) pin-temperature 70 °C, 16 A, Protection Class I |
| Ratings UL/CSA | 20 A / 250 VAC; 60 Hz | | |
| Dielectric Strength | > 2.5 kVAC between L-N > 3 kVAC between L/N-PE (1 min/50 Hz) | Circuit Breakers | Acc. IEC/EN 60934, UL 1077, CSA 22.2 no. 235 1-pole rocker switch, illuminated or non-illuminated. Conditional short circuit Inc: 2000 A |
| Allowable Operation Temperature | -25 °C to 60 °C | | |
| IP-Protection | from front side IP40 acc. to IEC 60529 | | |
| Protection against electric shock | Suitable for appliances with protection class I acc. to IEC 61140 | | |
| Terminal | Quick connect terminals 6.3 x 0.8 mm | | |
| Panel Thickness S | Snap-in: 1.5/2/2.5 mm | | |
| Material: Housing | Thermoplastic, black, UL 94V-0 | | |

### Approvals and Compliances

Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in  Details about Approvals

SCHURTER products are designed for use in industrial environments. They have approvals from independent testing bodies according to national and international standards. Products with specific characteristics and requirements such as required in the automotive sector according to IATF 16949, medical technology according to ISO 13485 or in the aerospace industry can be offered exclusively with customer-specific, individual agreements by SCHURTER.

## Approvals

The approval mark is used by the testing authorities to certify compliance with the safety requirements placed on electronic products.
Approval Reference Type: 6136

| Approval Logo | Certificates | Certification Body | Description |
|---|---|---|---|
| | VDE Approvals | VDE | Certificate Number: 40025196 |
| | UL Approvals | UL | UL File Number: E96454 |
| | CCC Approvals | CCC | CCC Certificate Number: 2015180204000153 |

## Product standards

Product standards that are referenced

| Organization | Design | Standard | Description |
|---|---|---|---|
| IEC | Designed according to | IEC 60320-1 | Appliance couplers for household and similar general purposes |
| UL | Designed according to | UL 60320-1 | Standard for Attachment Plugs and Receptacles |
| CSA Group | Designed according to | CSA C22.2 no. 60320-1 | General Use Receptacles, Attachment Plugs, and Similar Wiring Devices |

## Application standards

Application standards where the product can be used

| Organization | Design | Standard | Description |
|---|---|---|---|
| IEC | Designed for applications acc. | IEC/UL 60950 | IEC 60950-1 includes the basic requirements for the safety of information technology equipment. |

## Compliances

The product complies with following Guide Lines

| Identification | Details | Initiator | Description |
|---|---|---|---|
| CE | CE declaration of conformity | SCHURTER AG | The CE marking declares that the product complies with the applicable requirements laid down in the harmonisation of Community legislation on its affixing in accordance with EU Regulation 765/2008. |
| RoHS COMPLIANT | RoHS | SCHURTER AG | Directive RoHS 2011/65/EU, Amendment (EU) 2015/863 |
| 50 | China RoHS | SCHURTER AG | The law SJ / T 11363-2006 (China RoHS) has been in force since 1 March 2007. It is similar to the EU directive RoHS. |
| REACH | REACH | SCHURTER AG | On 1 June 2007, Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals 1 (abbreviated as "REACH") entered into force. |
| V-Lock | Landing Page V-Lock | SCHURTER AG | V-Lock system are based on a matching plug-dose combination. The connector is equipped with a notch intended for use with the latching cordset. The cord latching system prevents against accidental removal of the cordset. |

## Dimensions [mm]
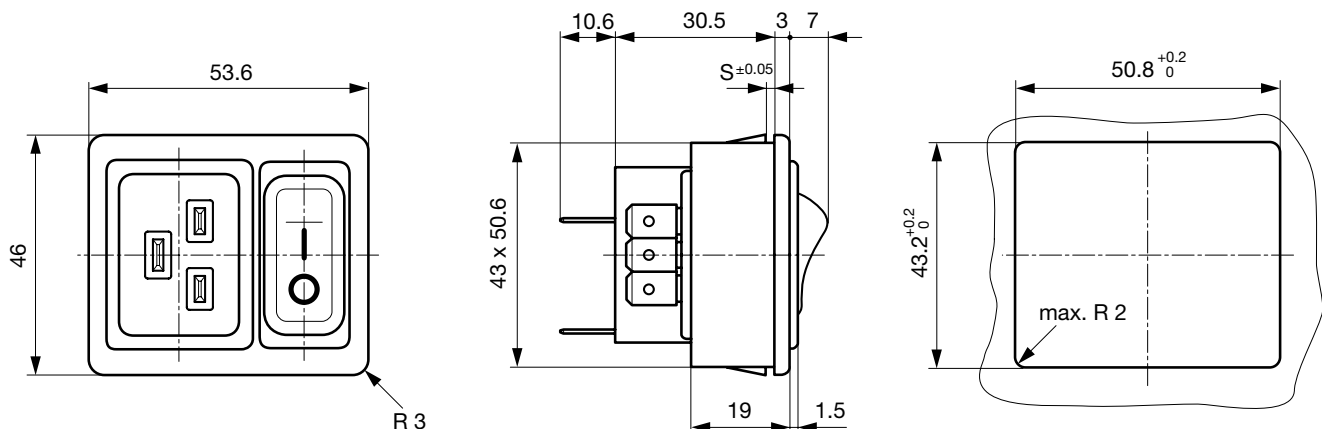
## Diagrams

| non-illuminated | illuminated (connection N' to L) |
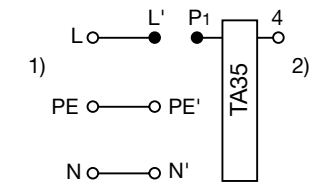


1) Line
2) Load
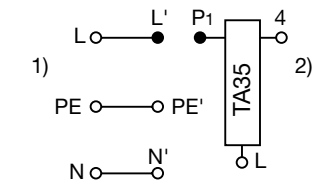
1) Line
2) Load

## Time-Current-Curves

### Tripping Characteristics $I_n$ < 3 A



| Typ | TA35 |
| Nennstrom | <3A (TC-1,TC-2) |
| Umgebungstemp. | +23 °C |

Time in Seconds
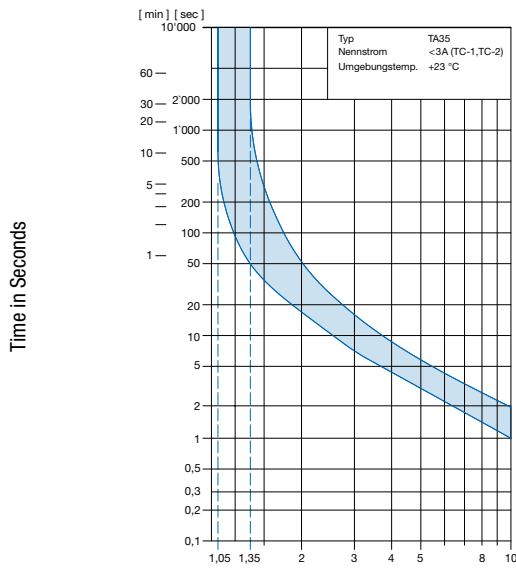
Multiple of Rated Current In

Reference Temperature +23°

### Tripping Characteristics $I_n$ 3 -20 A



| TA35 | >3-20A (TC-1,TC-2) (3 pole max. 12A) |
| | 1, 2, 3 pole |

Time in Seconds
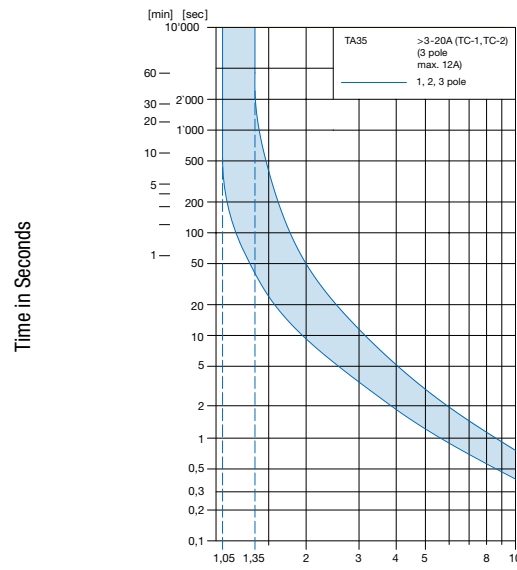
Multiple of Rated Current In

Reference Temperature +23°

## Configuration code TA35

| Type | Configuration code TA35 | | | | |
|---|---|---|---|---|---|
| 6136 | C F T W F 1 2 0 C 0 - 000 - 1 1 1 1 - 10 - 00 | | | | |

No other features

### Rated current $I_n$ (A)

| $I_n$ | Code | | $I_n$ | Code |
|---|---|---|---|---|
| 1,0 | **J10** | | 8,0 | **080** |
| 2,0 | **J20** | | 10,0 | **100** |
| 4,0 | **040** | | 12,0 | **120** |
| 5,0 | **050** | | 15,0 | **150** |
| 6,0 | **060** | | 16,0 | **160** |
| | | | 20,0 | **200*** |

Other rated currents on request | *) UL / CSA only

### Rocker legend

| | Surface | Illustration | | Colour of print | Position of the rocker legend e.g. F |
|---|---|---|---|---|---|
| **F** | embossed | – | O | | |
| **H** | printed | ON | OFF | white | |
| **K** | printed | ON | OFF | black | |
| **L** | printed | – | O | white | |
| **M** | printed | – | O | black | |
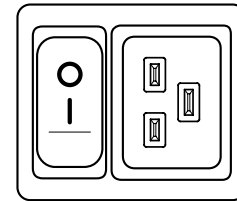
Other legends on request

### Colours

| | Switch front | Rocker non-illuminated | illuminated |
|---|---|---|---|
| **W** | black | white | – |
| **B** | black | black | – |
| **3** | black | – | red transparent |
| **4** | black | – | green transparent |
| **6** | black | – | orange transparent |

Other colours on request

| Number of switched poles | **1-pole** |
|---|---|
| Number of protected poles | **1** |

LINE
P1

L
4
LOAD
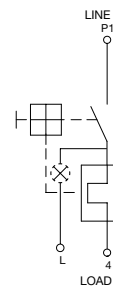
| Switch | without illumination | **CFT** |
|---|---|---|
| Switch | illuminated 240 V | **C2F** |
| | 120 V | **C4F** |

Other versions on request

**Configuration code (Order example)**

| Type | Configuration code TA35 | | | | |
|------|--------------------------|---|---|---|---|
| 6136 | C F T W F 1 2 0 C 0 - 000 - 1 1 1 1 | - 10 - 00 | | | |

**Cord Retention**
**0** Without
**1** V-Lock

**Mounting**
**1** Snap-in s = 1.0 mm
**2** Snap-in s = 1.5 mm
**3** Snap-in s = 2.0 mm
**4** Snap-in s = 2.5 mm

**Terminal PE**
**1** Quick connect terminals 6.3 x 0.8 mm

**Terminal N**
**1** Quick connect 6.3 x 0.8 mm

**Terminal L**
**1** Quick connect 6.3 x 0.8 mm
**4** Wire connection to circuit breaker
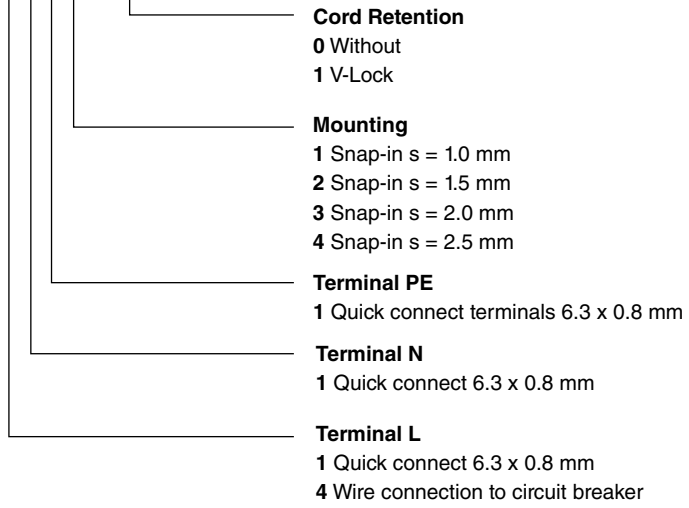
| Packaging unit | 15 Pcs |
|---|---|

## Mating Outlets/Connectors

**Category / Description**

Connector Overview complete

| | |
|---|---|
| 4795, Mounting: Power Cord, Cable Connector: IEC C19 | 4795 |
| 4790, Mounting: Power Cord, Screw Connector: IEC C19 | 4790 |
| 0104U, Mounting: Power Supply Cord, Screw clamps Connector: IEC C19 | 0104U |

Connector further types to 6136

Power Supply Cord Overview complete

| | |
|---|---|
| Cord Sets 16 A, Europlug, 2.5 m, Connector IEC C19, H05VV-F3G1.5, black | 6004.0395 |
| Cord Sets 16 A, Interconnection, 1.0 m, Connector IEC C19, H05VV-F3G1.5, black | 6020.0392 |
| Cord Sets 16 A, Interconnection, 2.0 m, Connector IEC C19, H05VV-F3G1.5, black | 6020.0394 |
| Cord Sets 16 A, North America, 2.5 m, Connector IEC C19, SJT 3x14 AWG, black | 6009.5195 |

Power Supply Cord further types to 6136

## Mating Outlets/Connectors shuttered

Power Cord Overview complete

| | |
|---|---|
| VAC19KS, Overview, V-Lock cord retaining, diverse Connector IEC C19, diverse, black | VAC19KS |

Power Cord further types to 6136

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