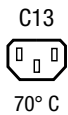


SCHURTER Smart Connector DT31

new



See below:
[Approvals and Compliances](#)

Description

- Standalone device with WiFi and Bluetooth connectivity
- Measurement of energy data and integrated relay switch to generate additional value on the power input

Unique Selling Proposition

- Easy integration of smart IoT functionality into existing devices
- The Smart Connector is connected to the Internet via WiFi 802.11b/g/n and has an integrated energy meter sensor
- Cost savings through optimized use of resources
- Data analysis and processing via SCHURTER Dashboard or SCHURTER App

Characteristics

- WiFi 802.11b/g/n or Bluetooth 4.2 connectivity
- Relay switchable via WiFi (Cloud)
- Integrated energy live measurement with update rate up to 60 sec.
- Low standby Energy consumption (<0.5W)
- Button with RGB backlight
- Smartphone App for easy configuration, control and monitoring (iOS and Android)
- Smart API for direct data transfer to your own cloud

Weblinks

[pdf data sheet](#), [html datasheet](#), [General Product Information](#), [Approvals](#), [Distributor-Stock-Check](#), [Accessories](#), [Detailed request for product](#), [Dashboard](#)

Technical Data

Electrical Properties

| | |
|------------------------------|--|
| Ratings IEC | 10A / 250VAC; 50Hz |
| Energy Consumption (Standby) | < 0.5 W |
| Appliance Inlet | C14 acc. to IEC 60320-1 (for cold conditions) pin-temperature 70 °C, 10A, Protection Class I |
| Appliance Outlet | C13 with approx. 80 cm permanently connected cable |

Mechanical Properties

| | |
|---------------|------|
| IP-Protection | IP40 |
|---------------|------|

Measurement Properties

| | |
|--------------------------------|------------------|
| Active Energy Metering Error | ±0.2% full range |
| Reactive Energy Metering Error | ±0.4% full range |
| Minimum measurable Current | < 20 mA |

Connectivity

| | |
|--------------|-------------------|
| Wireless LAN | WiFi 802.11b/g/n |
| Bluetooth | Bluetooth 4.2 BLE |

Cloud Connectivity

| | |
|------------------------|---|
| Data stored per device | Online-State |
| | Time last seen |
| | Voltage |
| | Current |
| | Power |
| | Accumulated Energy |
| | Power Factor |
| | Frequency |
| | State of AC output |
| | SSID of the connected network |
| Data stored per user | Name of the device |
| | Paired user accounts including device owner |
| | Username / Password (encrypted) |
| | E-Mail address |
| | Subscription information |

SCHURTER Smart Services

| | |
|--------------------------|---|
| SCHURTER Smart Dashboard | Web-based dashboard for device monitoring, management and control |
| SCHURTER Smart App | Smartphone app for Apple and Android devices. The smartphone app allows to easily configure the WiFi credentials on the SCHURTER Smart Connector DS11 and interface with the SCHURTER Smart Ecosystem |
| SCHURTER Smart API | HTTP REST API with user based authentication. The REST API can be used to interface directly with the SCHURTER Cloud via HTTPS and dedicated GET/POST/PUT/DELETE endpoints |

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: DT31

| Approval Logo | Certificates | Certification Body | Description |
|--|-------------------------------|--------------------|---------------------------------|
|  | VDE Approvals | VDE | VDE Certificate Number: pending |






Product standards

Product standards that are referenced

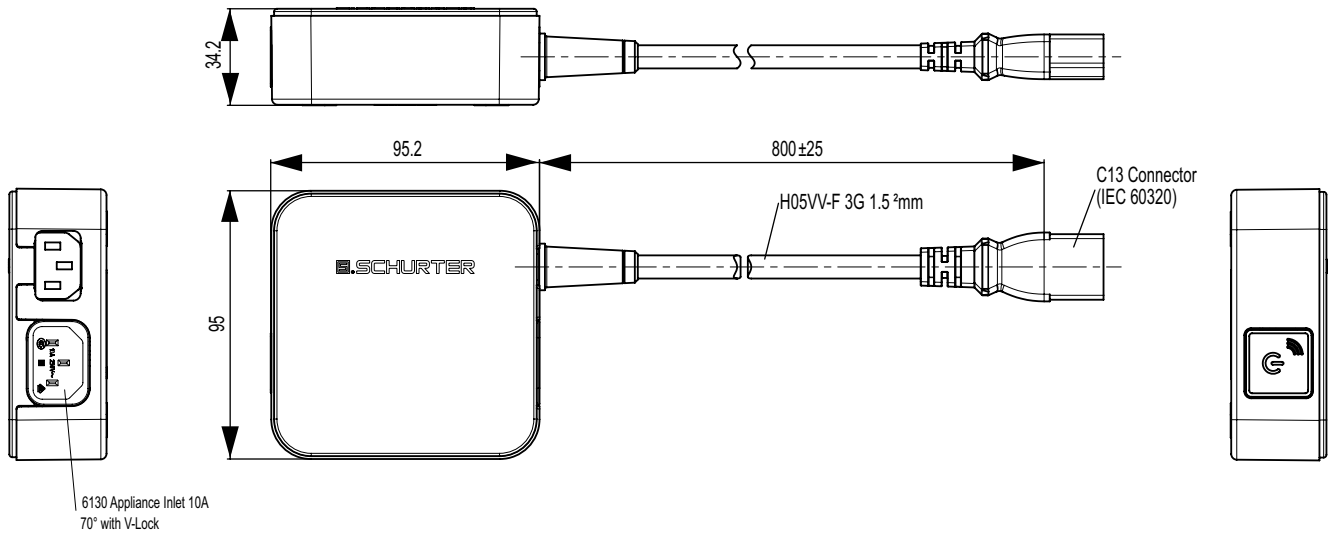
| Organization | Design | Standard | Description |
|--|-----------------------|-------------|---|
|  | Designed according to | IEC 60320-1 | Appliance couplers for household and similar general purposes |

Compliances

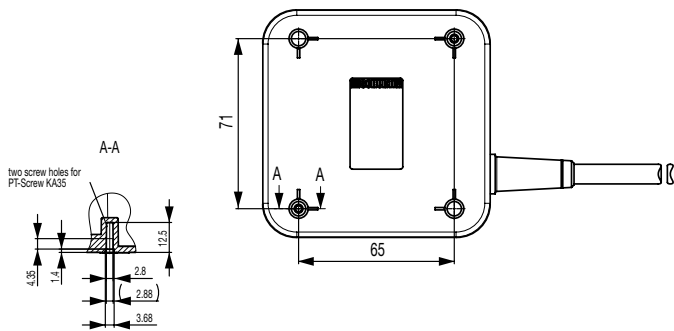
The product complies with following Guide Lines

| Identification | Details | Initiator | Description |
|--|--|-------------|--|
|  | 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. |
|  | UKCA declaration of conformity | SCHURTER AG | The UKCA marking declares that the product complies with the applicable requirements laid down in the British Amendment of Regulation (EC) 765/2008. |
|  | RoHS | SCHURTER AG | Directive RoHS 2011/65/EU, Amendment (EU) 2015/863 |
|  | 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. |
|  | | 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]



Assembly Instructions



| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|----|----|---|----|----|---|----|----|----|----|
| D | T | 3 | 1 | - | 1 | 1 | - | 01 | 00 | - | 15 | 04 | - | 01 | 01 | 01 | 14 |
| | | | | | 1 | 2 | | 3 | 4 | | 5 | 6 | | 7 | 8 | 9 | 10 |

| | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|---|-----------|
| Switching Element | | | | | | | | | | | | | | | | | |  | 1 | |
| Relay | = | | | | | | | | | | | | | | | | | | | |
| Switch | | | | | | | | | | | | | | | | | | |  | 2 |
| With | = | | | | | | | | | | | | | | | | | | | |
| Color Housing with Switch | | | | | | | | | | | | | | | | | | |  | 3 |
| White | = | | | | | | | | | | | | | | | | | | | |
| Color Housing without Switch | | | | | | | | | | | | | | | | | | |  | 4 |
| White | = | | | | | | | | | | | | | | | | | | | |
| Appliance Inlet | | | | | | | | | | | | | | | | | | |  | 5 |
| C14 | = | | | | | | | | | | | | | | | | | | | |
| Rated Current | | | | | | | | | | | | | | | | | | |  | 6 |
| 10 A | = | | | | | | | | | | | | | | | | | | | |
| Cord Set Type | | | | | | | | | | | | | | | | | | |  | 7 |
| H05VV-F 3G1.5 | = | | | | | | | | | | | | | | | | | | | |
| Color Cord Set | | | | | | | | | | | | | | | | | | |  | 8 |
| Black | = | | | | | | | | | | | | | | | | | | | |
| Length Cord Set | | | | | | | | | | | | | | | | | | |  | 9 |
| 0.8 m | = | | | | | | | | | | | | | | | | | | | |
| Connector | | | | | | | | | | | | | | | | | | |  | 10 |
| C13 | = | | | | | | | | | | | | | | | | | | | |

Variants

| Rated Current [A] | Protection Class | Power button | IP-Protection | Config. Code | Order Number |
|-------------------|------------------|--------------|---------------|----------------------------|--------------|
| 10 | I | ● | IP40 | DT31-11-0100-1504-01010114 | 3-137-396 |

Most Popular.

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

Packaging unit 1 Pcs

Mating Outlets/Connectors shuttered

Category / Description



[Connector Overview complete](#)

4783 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13

4783



[Power Cord Overview complete](#)

VAC13KS, Overview, V-Lock cord retaining, diverse Connector IEC C13, diverse, black

VAC13KS