SCHURTER Smart Connector DT31

new

C14 70° C | C13 70° C | WiFi | Bluetooth

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 tranfer 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	10 A / 250 VAC; 50 Hz
Energy Consumption (Standby)	< 0.5 W
Appliance Inlet	C14 acc. to IEC 60320-1 (for cold conditions) pin-temperature 70 °C, 10 A, Protection Class I
Appliance Outlet	C13 with approx. 80 cm permanently connected cable
Mechanicall 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
	Name of the device
	Paired user accounts including device owner
Data stored per user	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

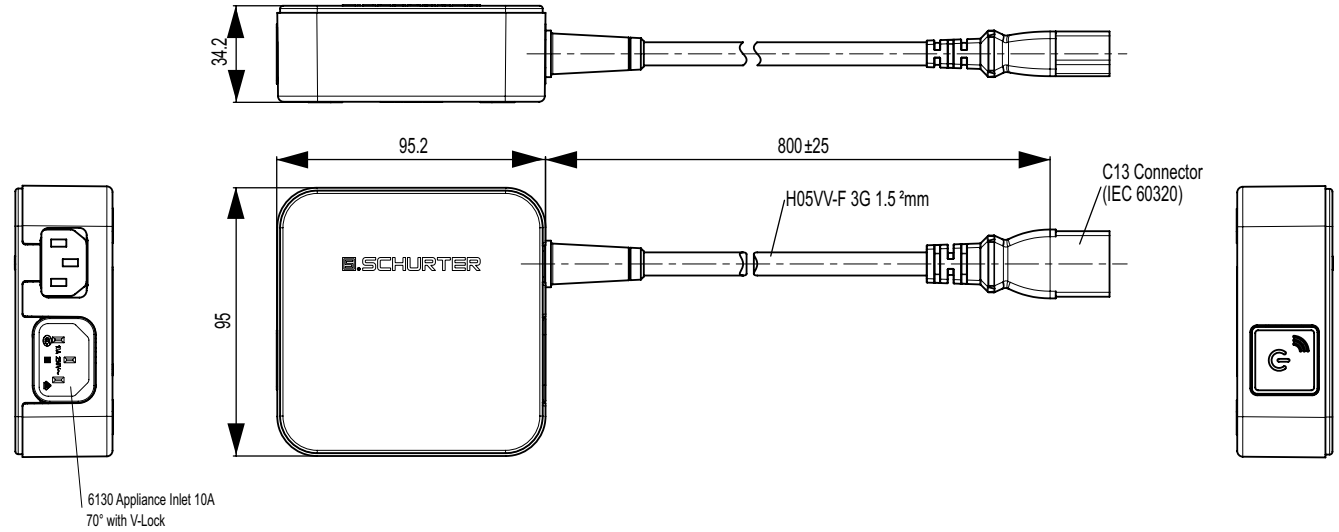
Organization	Design	Standard	Description
IEC	Designed according to	IEC 60320-1	Appliance couplers for household and similar general purposes

Compliances

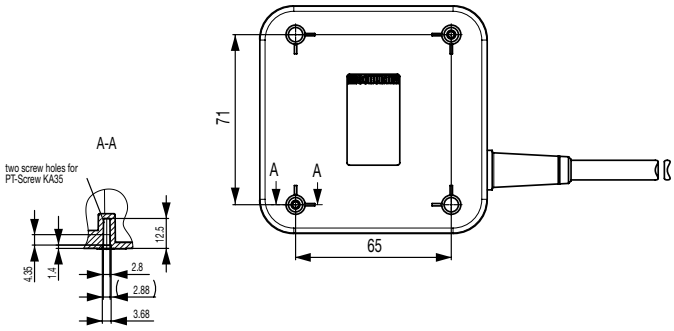
The product complies with following Guide Lines

Identification	Details	Initiator	Description
CE	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	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 COMPLIANT	RoHS	SCHURTER AG	Directive RoHS 2011/65/EU, Amendment (EU) 2015/863
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		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 = 1

Switch 2
With = 1

Color Housing with Switch 3
White = 01

Color Housing without Switch 4
White = 01

Appliance Inlet 5
C14 = 15

Rated Current 6
10 A = 04

Cord Set Type 7
H05VV-F 3G1.5 = 01

Color Cord Set 8
Black = 01

Length Cord Set 9
0.8 m = 01

Connector 10
C13 = 14

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

27.03.2023

The specifications, descriptions and illustrations indicated in this document are based on current information. All content is subject to modifications and amendments. Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability and test each product selected for their own applications.