IEC Appliance Inlet C22, for very hot conditions 155°C, Screw-on or Snap-in Mounting, Front Side

new

Snap-in mounting from front side
black

Screw-on from front side
Flange with countersunk holes
black

C22

155° C

See below:
Approvals and Compliances

Description
- Panel mount
- Snap-in or screw-on mounting , front side
- 1 Function :

- Appliance Inlet , Pin temperature 155 °C , Protection class I
- Safety of electrical appliances for household and similar purposes. Meets the requirements for appliances in unattended use. This includes the enhanced requirements of glow wire tests acc. to IEC 60695-2-11 or -12 & -13.
- Solder / Quick Connect / Screw Terminals

References
Alternative: version with line filter   C22F

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

Technical Data

Ratings IEC	16 A / 250 VAC; 50 Hz
Ratings UL/CSA	20 A / 250 VAC; 60 Hz
Dielectric Strength	> 6 kVAC between L-N > 4 kVAC between L/N-PE (1 min/50 Hz)
Allowable Operation Temperature	-25 °C to 155 °C
IP-Protection	front side IP20 acc. to IEC 60529
Protection against electric shock	Suitable for appliances with protection class I acc. to IEC 61140
Terminal	Solder / Quick Connect / Screw Terminals
Panel Thickness S	Screw-on mounting: max 12 mm Mounting screw torque max 0.5 Nm Snap-in version: 1/1.5/2/2.5/3 mm
Material: Housing	PA, black, UL 94V-0

Appliance inlet/-outlet	C22 acc. to IEC 60320-1 UL 60320-1, CSA C22.2 no. 60320-1 (for hot conditions) pin-temperature 155 °C, 16 A, Protection Class I

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: 1681

Approval Logo	Certificates	Certification Body	Description
	VDE Approvals	VDE	Certificate Number: 2151856.01
	UL Approvals	UL	UR File Number: E96454
	CCC Approvals	CCC	CCC Certificate Number: 2016180204002720

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

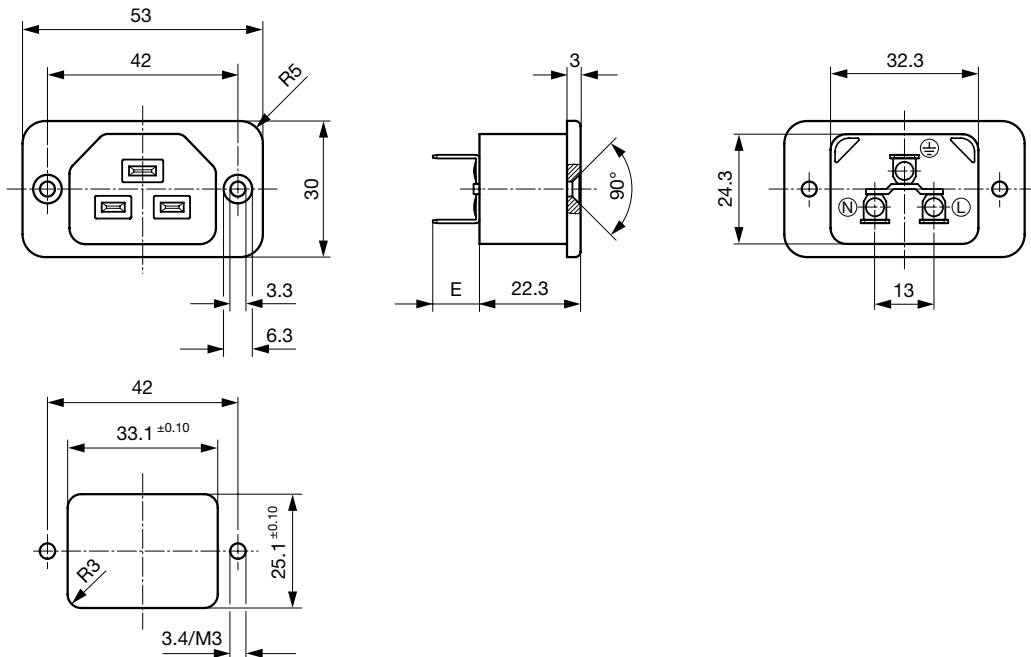| Organization	Design	Standard	Description
IEC	Suitable for applications acc.	IEC/UL 62368-1	Audio/video, information and communication technology equipment - Part 1: Safety requirements
IEC	Suitable for applications acc.	IEC 60335-1	Safety of electrical appliances for household and similar purposes. Meets the requirements for appliances in unattended use. This includes the enhanced requirements of glow wire tests acc. to IEC 60695-2-11 or -12 & -13.

Compliances

The product complies with following Guide Lines

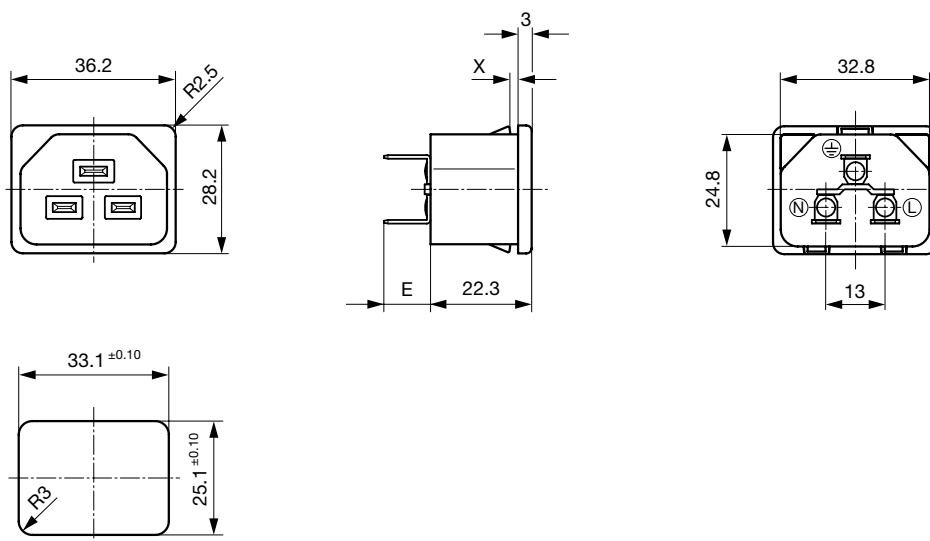| Identification	Details	Initiator	Description
CE	CE declaration of conformity	SCHURTER AG	The CE marking declares that the product complies with the applicable requirements laid down in the harmonisation of Community legislation on its affixing in accordance with EU Regulation 765/2008.
UKCA	UKCA declaration 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
China RoHS	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.
00	White Paper Glow wire test	SCHURTER AG	Meets the requirements of IEC 60335-1 for appliances in unattended use. This includes the enhanced requirements of glow wire tests acc. to IEC 60695-2-11 or -12 &-13.

Dimensions [mm]

Screw-on mounting

E: Quick-connect terminals 6.3x0.8 mm: 10.3 mm
E: Quick-connect terminals 4.8x0.8 mm: 9.3 mm
E: Solder terminals: 5.1 mm
E: Screw terminals: 10.3 mm

Snap-in mounting

E: Quick-connect terminals 6.3x0.8 mm: 10.3 mm
E: Quick-connect terminals 4.8x0.8 mm: 9.3 mm
E: Solder terminals: 5.1 mm
E: Screw terminals: 10.3 mm

Config. Code

1681 - H - A B C 0- D - E G

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

1681 - **H** - A B C 0- D - E G = **Type**

Type	Configuration key
protection class I	X

1681 - H - **A** B C 0- D - E G = **Terminals**

Terminal L		Configuration key
Blade terminal (4.8 x 0.8 mm)		8
Blade terminal (6.3 x 0.8 mm)		9
screw terminal		A
solder terminal (L = 5.1 mm)		D

1681 - H - A **B** C 0- D - E G = **Terminals**

Terminal N	Configuration key
Blade terminal (4.8 x 0.8 mm)	8
Blade terminal (6.3 x 0.8 mm)	9
screw terminal	A
solder terminal (L = 5.1 mm)	D

Symbols similar as in table A

1681 - H - A B **C** 0- D - E G = **Terminals**

Terminal Ground	Configuration key
Blade terminal (4.8 x 0.8 mm)	8
Blade terminal (6.3 x 0.8 mm)	9
screw terminal	A
solder terminal (L = 5.1 mm)	D

Symbols similar as in table A

1681 - H - A B C 0- **D** - E G = **Color**

Color	Configuration key
Black	A

1681 - H - A B C 0- D - **E** G = **Style**

Style	Configuration key
flange with countersunk holes	1
snap-in (s=panel thickness)	4

1681 - H - A B C 0- D - E **G** = **Dimension S**

Dimension "S"	Configuration key
10	
15	
20	
25	
30	

The dimension "S" is displayed in (1/10 mm). This information is also valid for the order code

All Variants

Terminals L / N	Terminal Ground	Style	Panel Thickness s [1/10 mm]	Config. Code	Order Number
solder terminal (L = 5.1 mm)	solder terminal (L = 5.1 mm)	flange with countersunk holes		1681-X-DDD0-A-100-00	6173.0001
Blade terminal (4.8 x 0.8 mm)	Blade terminal (4.8 x 0.8 mm)	flange with countersunk holes		1681-X-8880-A-100-00	6173.0002
Blade terminal (6.3 x 0.8 mm)	Blade terminal (6.3 x 0.8 mm)	flange with countersunk holes		1681-X-9990-A-100-00	6173.0003
screw terminal	screw terminal	flange with countersunk holes		1681-X-AAA0-A-100-00	6173.0004
solder terminal (L = 5.1 mm)	solder terminal (L = 5.1 mm)	snap-in (s=panel thickness)	10	1681-X-DDD0-A-410-00	6173.0009
solder terminal (L = 5.1 mm)	solder terminal (L = 5.1 mm)	snap-in (s=panel thickness)	15	1681-X-DDD0-A-415-00	6173.0010
solder terminal (L = 5.1 mm)	solder terminal (L = 5.1 mm)	snap-in (s=panel thickness)	20	1681-X-DDD0-A-420-00	6173.0011
solder terminal (L = 5.1 mm)	solder terminal (L = 5.1 mm)	snap-in (s=panel thickness)	25	1681-X-DDD0-A-420-00	6173.0012
solder terminal (L = 5.1 mm)	solder terminal (L = 5.1 mm)	snap-in (s=panel thickness)	30	1681-X-DDD0-A-430-00	6173.0013
Blade terminal (4.8 x 0.8 mm)	Blade terminal (4.8 x 0.8 mm)	snap-in (s=panel thickness)	10	1681-X-8880-A-410-00	6173.0014
Blade terminal (4.8 x 0.8 mm)	Blade terminal (4.8 x 0.8 mm)	snap-in (s=panel thickness)	15	1681-X-8880-A-415-00	6173.0015

Terminals L / N	Terminal Ground	Style	Panel Thickness s [1/10 mm]	Config. Code	Order Number
Blade terminal (4.8 x 0.8 mm)	Blade terminal (4.8 x 0.8 mm)	snap-in (s=panel thickness)	20	1681-X-8880-A-420-00	6173.0016
Blade terminal (4.8 x 0.8 mm)	Blade terminal (4.8 x 0.8 mm)	snap-in (s=panel thickness)	25	1681-X-8880-A-425-00	6173.0017
Blade terminal (4.8 x 0.8 mm)	Blade terminal (4.8 x 0.8 mm)	snap-in (s=panel thickness)	30	1681-X-8880-A-430-00	6173.0018
Blade terminal (6.3 x 0.8 mm)	Blade terminal (6.3 x 0.8 mm)	snap-in (s=panel thickness)	10	1681-X-9990-A-410-00	6173.0019
Blade terminal (6.3 x 0.8 mm)	Blade terminal (6.3 x 0.8 mm)	snap-in (s=panel thickness)	15	1681-X-9990-A-415-00	6173.0020
Blade terminal (6.3 x 0.8 mm)	Blade terminal (6.3 x 0.8 mm)	snap-in (s=panel thickness)	20	1681-X-9990-A-420-00	6173.0021
Blade terminal (6.3 x 0.8 mm)	Blade terminal (6.3 x 0.8 mm)	snap-in (s=panel thickness)	25	1681-X-9990-A-425-00	6173.0022
Blade terminal (6.3 x 0.8 mm)	Blade terminal (6.3 x 0.8 mm)	snap-in (s=panel thickness)	30	1681-X-9990-A-430-00	6173.0023

■ Most Popular.

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

Packaging unit	50 Pcs

Mating Outlets/Connectors

Category / Description

Connector Overview complete

1658, Mounting: Power Cord, Screw clamps Connector: IEC C21	1658
1659, Mounting: Power Cord, Cable Connector: IEC C21	1659

Power Supply Cord Overview complete

Cord Sets 16 A, Europlug, 2.5 m, Connector IEC C21, H05VV-F3G1.5, black	6051.5001

15.08.2023