IEC Appliance Inlet C14 or C18 with Fuseholder 1- or 2-pole

C14
70° C

C18
70° C

See below:
Approvals and Compliances

Description
- Panel mount :
  Screw-on mounting from front or rear-side
- 2 Functions :
  Appliance Inlet protection class I or II , fuse-links 5 x 20 mm 1- or 2-pole
- V-Lock notch standard
- 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.
- Solder terminals 3.8 x 0.8 mm or quick connect terminals 6.3 x 0.8 mm

Characteristics
- All single elements are already wired
- With slotted screw type fuseholder
- Suitable for use in equipment according to IEC/UL 62368-1

Other versions on request
- Fuse carrier with IP65 protection degree

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

Technical Data

Ratings IEC	10 A / 250 VAC; 50 Hz	Appliance inlet/-outlet	C14 or C18 acc. to IEC 60320-1, UL 60320-1, CSA C22.2 no. 60320-1 (for cold conditions) pin-temperature 70 °C, 10 A, Protection Class I or II
Ratings UL/CSA	10 A / 250 VAC; 60 Hz		
Dielectric Strength	> 2 kVAC between L-N > 3 kVAC between L/N-PE (1 min/50 Hz)		
Allowable Operation Temperature	-25 °C to 70 °C	Fuseholder	1-/2-pole, Shocksafe category PC2 acc. to IEC 60127-6, for fuse-links 5 x 20 mm
IP-Protection	from front side IP40 acc. to IEC 60529	Rated Power Acceptance @ Ta 23 °C	5 x 20: 1.6 W (1 pole)/ 1.6 W (2-pole) per pole
Protection against electric shock	Suitable for appliances with protection class I or II acc. to IEC 61140	Power Acceptance @ Ta > 23°C	Admissible power acceptance at higher ambient temperature see derating curves
Terminal	Solder/Quick Connect Terminal		
Panel Thickness S	Screw: max 6 mm Mounting screw torque max 0.5 Nm		
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: 4707

Approval Logo	Certificates	Certification Body	Description
VDE 10	VDE Approvals	VDE	Certificate Number: 40006816
cULus	UL Approvals	UL	UL File Number: E93617

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
IEC	Designed according to	IEC 60127-6	Miniature fuses. Part 6. Fuse-holders for miniature fuse-links
IEC	Designed according to	IEC 61058-1	Switches for appliances. Part 1. General requirements
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 62368-1	IEC 62368-1 includes the basic requirements for safety of audio, video, information technology and office equipment.
IEC	Designed for applications acc.	IEC 60601-1	Medical electrical equipment - Part 1: General requirements for basic safety and essential performance
IEC	Designed 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

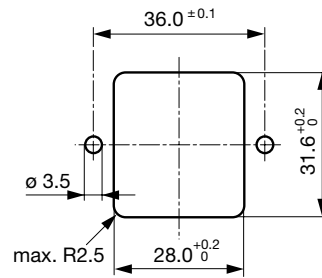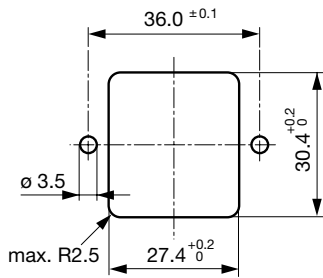| Identification	Details	Initiator	Description
CE	CE declaration of conformity	SCHURTER AG	The CE marking declares that the product complies with the applicable requirements laid down in the harmonisation of Community legislation on its affixing in accordance with EU Regulation 765/2008.
RoHS	RoHS	SCHURTER 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.
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.
	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.
	Medical Equipment	SCHURTER AG	Suitable for use in medical equipment according to IEC/UL 60601-1

Dimensions [mm]

44.0

36.0

27.6

34.0

31.2

3.4

6.1x90°

36.4

18.9

2.4   2.7

E
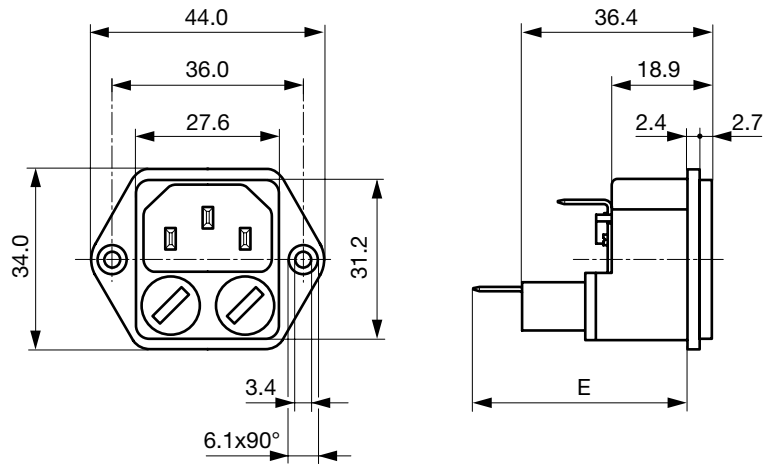
E: solder terminals = 38 mm
E: quick-connect terminals 6.3x0.8 = 41 mm
E: quick-connect terminals 4.8x0.8 = 39.5 mm

Panel cut-out for front mounting

36.0 $^{\pm 0.1}$

30.4 $^{+0.2}_{0}$

ø 3.5

max. R2.5   27.4 $^{+0.2}_{0}$

Panel cutout for rear side mounting

36.0 $^{\pm 0.1}$

31.6 $^{+0.2}_{0}$

ø 3.5

max. R2.5   28.0 $^{+0.2}_{0}$

Diagrams

L

L

N

E

L   N

L   N

E

Derating Curves

1-pole

Admissible power acceptance in Watt

1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0

$I = 1.0\ I_n$
$I = 0.7\ I_n$
$I = << I_n$

0   20   40   60   80   100

Ambient air temperature Ta °C

2-pole

Admissible power acceptance in Watt per pole

1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0

$I = 1.0\ I_n$
$I = 0.7\ I_n$
$I = << I_n$

0   20   40   60   80   100

Ambient air temperature Ta °C
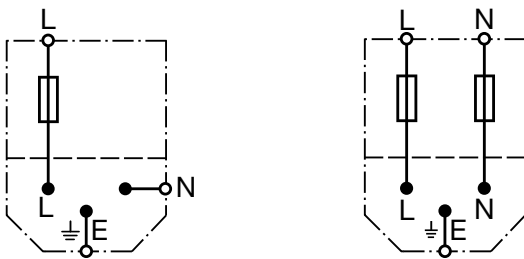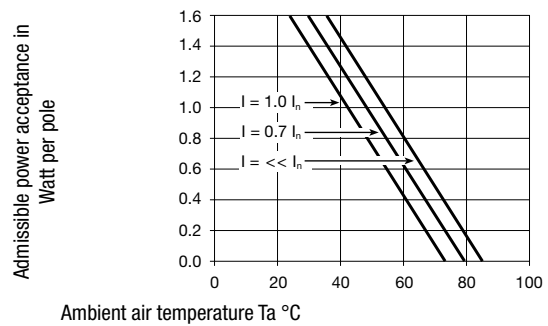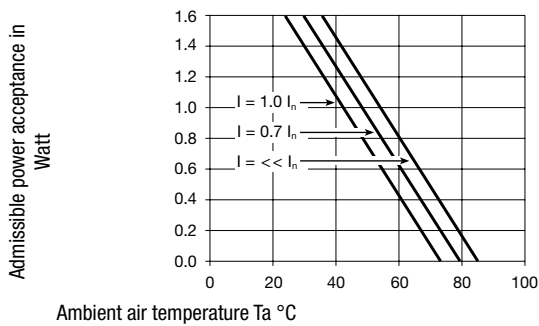
All Variants

Protection Class	Terminal	Fuseholder	Order Number
I	Quick connect terminals 6.3 x 0.8 mm	1-pole	4707.1000
I	Solder terminals	1-pole	4707.1300
I	Quick connect terminals 6.3 x 0.8 mm	2-pole	4707.2000
I	Solder terminals	2-pole	4707.2300
II	Quick connect terminals 6.3 x 0.8 mm	2-pole	3-111-264

▌ Most Popular.

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

Packaging unit	100 Pcs

Accessories

Description

Assorted Covers
Rear Cover

	0859.0047
	4311.9403

RC320
Rear Cover for Power Entry Module

Cord retaining kits
Cord retaining strain relief

Countersunk, B	4700.0002

Mating Outlets/Connectors

Category / Description

Appliance Outlet Overview complete

4788, Mounting: Snap-in version, Appliance Outlet: IEC Solder/Quick Connect Terminal, 10 A, Suitable for appliances with protection class I	4788
IEC Appliance Outlet F or H, Screw-on Mounting, Front Side, Solder, PCB or Quick-connect Terminal	5091

Connector Overview complete

4782 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13	4782
4785 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13	4785
4300-06 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C13	4300-06
4781 Mounting: Power Cord, Cable, Connector: IEC C15	4781
4784 Mounting: Power Cord, 3 x 1 mm² / 3 x 18 AWG, Cable, Connector: IEC C15	4784
	...

Mating Outlets/Connectors shuttered

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
VAC17KS, V-Lock cord retaining, diverse m, Connector IEC C17, diverse, black / grey / white	VAC17KS

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