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 5x20 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 60695-2-12 and -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 60950

Other versions on request
- Fuse carrier with IP65 protection degree

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

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 or 2 pole, Shocksafe category PC2 acc. to IEC 60127-6, for fuse-links 5 x 20 mm
IP-Protection	from front side IP 40 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
Insulation cover	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 terminals or quick connect terminals		
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

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
10	VDE Approvals	VDE	Certificate Number: 40006816
C UL US	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 60950	IEC 60950-1 includes the basic requirements for the safety of information technology 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 60695-2-12 and -13.

Compliances

The product complies with following Guide Lines

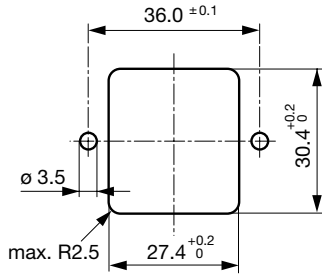| Identification	Details	Initiator	Description
CE	CE declaration of conformity	SCHURTER AG	The CE marking declares that the product complies with the applicable requirements laid down in the harmonisation of Community legislation on its affixing in accordance with EU Regulation 765/2008.
RoHS COMPLIANT	RoHS	SCHURTER AG	EU Directive RoHS 2011/65/EU
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	MicrositeV-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	White paperGlow 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 60695-2-12 and -13.
Medical Equipment	Medical Equipment	SCHURTER AG	Suitable for use in medical equipment according to IEC/UL 60601-1

Dimensions [mm]
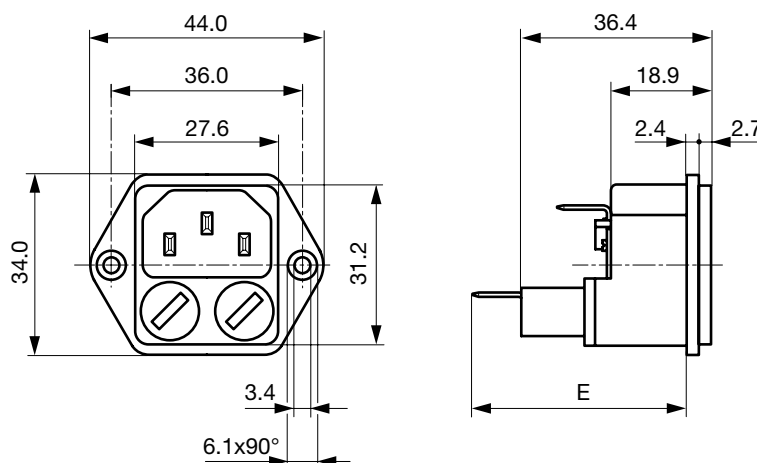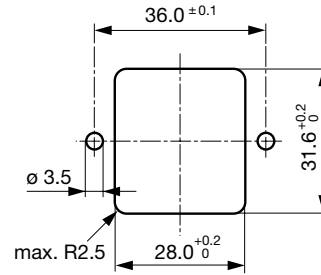

E: solder terminals = 38 mm
E: quick-connect terminals 6.3x0.8 = 41 mm
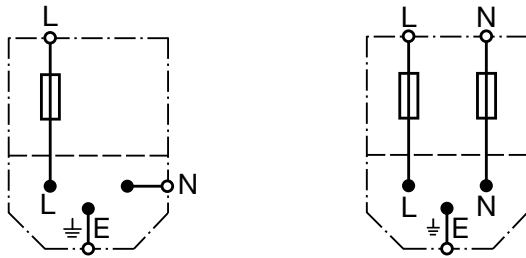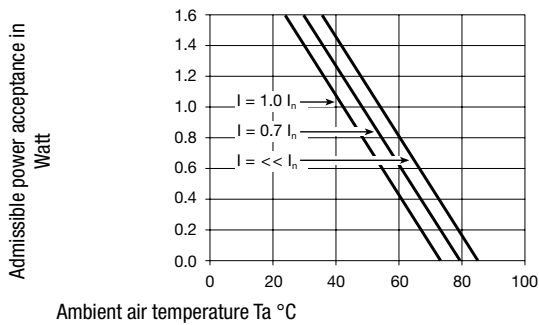E: quick-connect terminals 4.8x0.8 = 39.5 mm

Panel cut-out for front mounting

36.0 ±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 ±0.1

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

ø 3.5

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

Diagrams

L

L   N

Derating Curves

1-pole

Admissible power acceptance in Watt

1.6
1.4
1.2
1.0   I = 1.0 I_n
0.8   I = 0.7 I_n
0.6   I = << I_n
0.4
0.2
0.0
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   I = 1.0 I_n
0.8   I = 0.7 I_n
0.6   I = << I_n
0.4
0.2
0.0
0   20   40   60   80   100

Ambient air temperature Ta °C
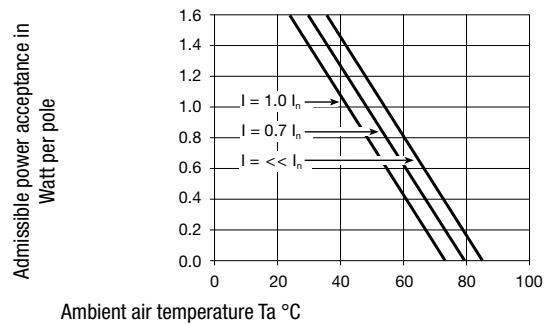
All Variants

| 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	

▊ 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
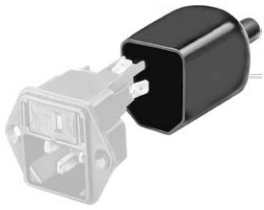
Assorted Covers
Rear Cover

	0859.0047
	4311.9403

Cord retaining kits
Cord retaining strain relief

Countersunk, B	4700.0002

Mating Outlets/Connectors

Category / Description

Appliance Outlet Overview complete

IEC Appliance Outlet F, Snap-in Mounting, Front Side, Solder or Quick-connect Terminal	4788
IEC Appliance Outlet F or H, Screw-on Mounting, Front Side, Solder, PCB or Quick-connect Terminal	5091
Appliance Outlet further types to 4707	

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
IEC Connector C15 for hot conditions 120°C, Rewireable, Straight	4781
IEC Connector C15 for hot conditions 120°C, Rewireable, Angled	4784
Connector further types to 4707	...

Mating Outlets/Connectors shuttered

Power Cord Overview complete

VAC13KS, Overview, diverse Connector IEC C13, cord end:	VAC13KS
Power cord with IEC connector C17, V-Lock, straight	VAC17KS
Power Cord further types to 4707	

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Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Schurter](#):
  [4707.1000](#) [4707.2100](#) [4707.2000](#) [4707.1300](#) [4707.2300](#) [4707.2001](#) [4707.2000.21](#)