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



Screw-on mounting



Snap-in version



Pick and Place Version

C14

70° C

See below:
Approvals and Compliances

Description

- Panel mount :
  Sandwich/rear-side
- 2 Functions :
  Appliance Inlet Protection class I , with or without Fuseholder for fuse-links 5 x 20 mm on the rear-side 1- or 2-pole
- 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.
- For PCB mounting
- Pick and place version

Characteristics

- PCB mount with snap-in or screw-on feet
  Suitable for automatic PCB assembling
- All single elements are already wired
- Fuseholder on the inside of the equipment prevents accidental use of incorrect fuse-links by the user
- With or without rear-side insulation cover
- Blister tray as optional packaging variant
- Suitable for use in equipment according to IEC/UL 60950

Other versions on request

- Ground terminal with quick-connect terminal 6,3 x 0,8 mm
- Ground terminal with solder terminal
- For protection class II

Weblinks

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

Newly available variants corresponding to V-Lock mating cordset. 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.

Technical Data

Ratings IEC	10 A / 250 VAC; 50 Hz
Ratings UL/CSA	10 A / 250 VAC; 60 Hz without fuseholder 16A (UL)
Dielectric Strength	> 3 kVAC between L-N > 4 kVAC between L/N-PE (1 min/50 Hz)
Allowable Operation Temperature	-25 °C to 70 °C
IP-Protection	from front side IP 40 acc. to IEC 60529
Insulation cover	Suitable for appliances with protection class I acc. to IEC 61140
Terminal	For PCB mounting
Panel Thickness S	Snap-in: 1.5/2/2.5/3 mm
Material: Housing	Thermoplastic, black, UL 94V-0

appliance inlet/-outlet	C14 acc. to IEC 60320-1, UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10 A, Protection Class I
Fuseholder	optional, 1 or 2 pole, Shocksafe category PC2 acc. to IEC 60127-6, for fuse-links 5 x 20 mm
Rated Power Acceptance @ Ta 23 °C	5 x 20: 3.15 W (1 pole)/ 2.5 W (2-pole) per pole
Power Acceptance @ Ta > 23°C	Admissible power acceptance at higher ambient temperature see derating curves

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: GSF1

Approval Logo	Certificates	Certification Body	Description
	VDE Approvals	VDE	Certificate Number: 40024857
	UL Approvals	UL	UL File Number: E93617, E96454
	CSA Approvals	CSA	CSA Certification Record: 38456
	CQC Approvals	CQC	CCC Certificate Number: 2006010204183182

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 498	Standard for Attachment Plugs and Receptacles
CSA Group	Designed according to	CSA C22.2 no. 42	General Use Receptacles, Attachment Plugs, and Similar Wiring Devices

Application standards

Application standards where the product can be used

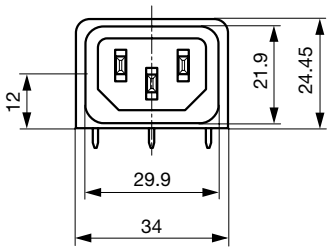
Organization	Design	Standard	Description
IEC	Designed for applications acc.	IEC/UL 60950	IEC 60950-1 includes the basic requirements for the safety of information technology equipment.
IEC	Designed for applications acc.	IEC 60335-1	Safety of electrical appliances for household and similar purposes. Meets the requirements for appliances in unattended use. This includes the enhanced requirements of glow wire tests acc. to IEC 60695-2-12 and -13.

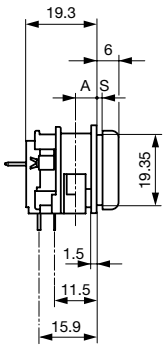
Compliances

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	RoHS	SCHURTER AG	EU Directive RoHS 2011/65/EU
	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 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.

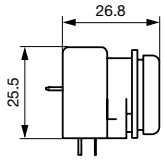
Dimensions [mm]

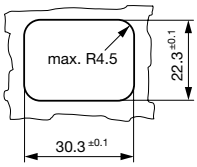




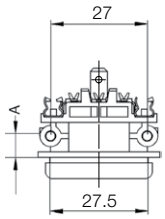
A = 6 mm for standard versions
A = 5 mm for pick and place versions
S = 0 mm for mounting from rear-side

with insulation cover

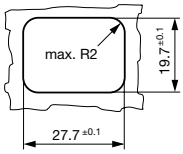




for mounting from rear-side



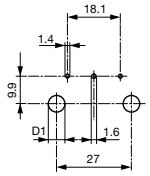
A = 6 mm for standard versions
A = 5 mm for pick and place versions



for sandwich mounting

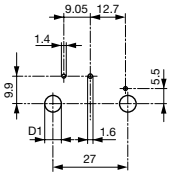
Drilling diagrams

without fuseholder



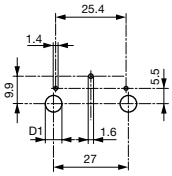
D1 for snap-in mounting = 6 ± 0.05
D1 for self-tapping screw = 3.6 ± 0.1

with 1-pole fuseholder



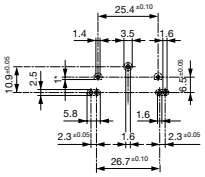
D1 for snap-in mounting = 6 ± 0.05
D1 for self-tapping screw = 3.6 ± 0.1

with 2-pole fuseholder



D1 for snap-in mounting = 6 ± 0.05
D1 for self-tapping screw = 3.6 ± 0.1

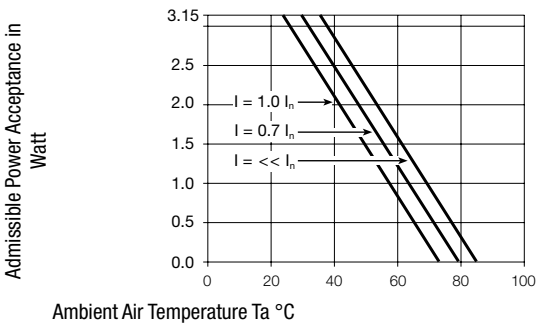
Pick and Place versions
without / with 1-pole or
2-pole fuseholder



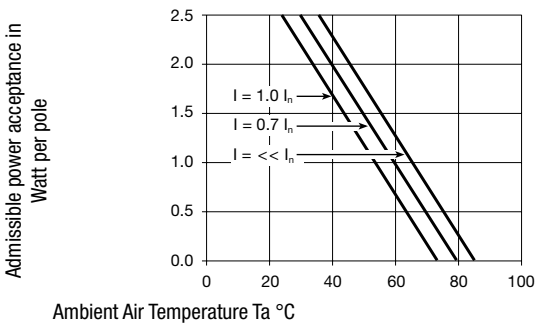
1* only for protection class II

Derating Curves

1-pole



2-pole



All Variants

Mounting side	Panel mounting	Panel Thickness s [mm]	Fuseholder	Ground terminal 4.8 x 0.8 mm	Ground terminal direction	Packaging	V-Lock	Order Number
Sandwich	Snap-in	1.5	-	●	angled to pin axis	-		GSF1.0202.31
Sandwich	Snap-in	1.5	-	●	straight	-		GSF1.0201.31
Sandwich	Snap-in	2	-	●	angled to pin axis	-		GSF1.0202.41
Sandwich	Snap-in	2	-	●	straight	-		GSF1.0201.41
Sandwich	Snap-in	2.5	-	●	angled to pin axis	-		GSF1.0202.51
Sandwich	Snap-in	2.5	-	●	straight	-		GSF1.0201.51
Sandwich	Snap-in	3	-	●	angled to pin axis	-		GSF1.0202.61
Sandwich	Snap-in	3	-	●	straight	-		GSF1.0201.61
Sandwich	Snap-in	1.5	1-pole	●	angled to pin axis	-		GSF1.1202.31
Sandwich	Snap-in	1.5	1-pole	●	straight	-		GSF1.1201.31
Sandwich	Snap-in	2	1-pole	●	angled to pin axis	-		GSF1.1202.41
Sandwich	Snap-in	2	1-pole	●	straight	-		GSF1.1201.41
Sandwich	Snap-in	2.5	1-pole	●	angled to pin axis	-		GSF1.1202.51
Sandwich	Snap-in	2.5	1-pole	●	straight	-		GSF1.1201.51
Sandwich	Snap-in	3	1-pole	●	angled to pin axis	-		GSF1.1202.61
Sandwich	Snap-in	3	1-pole	●	straight	-		GSF1.1201.61
Sandwich	Snap-in	1.5	2-pole	●	angled to pin axis	-		GSF1.2202.31
Sandwich	Snap-in	1.5	2-pole	●	straight	-		GSF1.2201.31
Sandwich	Snap-in	2	2-pole	●	angled to pin axis	-		GSF1.2202.41
Sandwich	Snap-in	2	2-pole	●	straight	-		GSF1.2201.41
Sandwich	Snap-in	2.5	2-pole	●	angled to pin axis	-		GSF1.2202.51
Sandwich	Snap-in	2.5	2-pole	●	straight	-		GSF1.2201.51
Sandwich	Snap-in	3	2-pole	●	straight	-		GSF1.2201.61
Sandwich	Screw	1.5	-	●	angled to pin axis	-		GSF1.0002.31
Sandwich	Screw	1.5	-	●	straight	-		GSF1.0001.31
Sandwich	Screw	2	-	●	angled to pin axis	-		GSF1.0002.41
Sandwich	Screw	2	-	●	straight	-		GSF1.0001.41
Sandwich	Screw	2.5	-	●	angled to pin axis	-		GSF1.0002.51
Sandwich	Screw	2.5	-	●	straight	-		GSF1.0001.51
Sandwich	Screw	3	-	●	angled to pin axis	-		GSF1.0002.61
Sandwich	Screw	3	-	●	straight	-		GSF1.0001.61
Sandwich	Screw	1.5	1-pole	●	angled to pin axis	-		GSF1.1002.31
Sandwich	Screw	1.5	1-pole	●	straight	-		GSF1.1001.31
Sandwich	Screw	2	1-pole	●	angled to pin axis	-		GSF1.1002.41
Sandwich	Screw	2	1-pole	●	straight	-		GSF1.1001.41
Sandwich	Screw	2.5	1-pole	●	angled to pin axis	-		GSF1.1002.51
Sandwich	Screw	2.5	1-pole	●	straight	-		GSF1.1001.51
Sandwich	Screw	2.5	1-pole	●	straight	-		GSF1.1006.51
Sandwich	Screw	2.5	1-pole	●	straight	Blister tray		3-104-974
Sandwich	Screw	3	1-pole	●	angled to pin axis	-		GSF1.1002.61
Sandwich	Screw	3	1-pole	●	straight	-		GSF1.1001.61
Sandwich	Screw	1.5	2-pole	●	angled to pin axis	-		GSF1.2002.31
Sandwich	Screw	1.5	2-pole	●	straight	-		GSF1.2001.31
Sandwich	Screw	2	2-pole	●	angled to pin axis	-		GSF1.2002.41
Sandwich	Screw	2	2-pole	●	straight	-		GSF1.2001.41
Sandwich	Screw	2.5	2-pole	●	angled to pin axis	-		GSF1.2002.51

Mounting side	Panel mounting	Panel Thickness s [mm]	Fuseholder	Ground terminal 4.8 x 0.8 mm	Ground terminal direction	Packaging	V-Lock	Order Number
Sandwich	Screw	2.5	2-pole	●	straight	-		GSF1.2001.51
Sandwich	Screw	3	2-pole	●	angled to pin axis	-		GSF1.2002.61
Sandwich	Screw	3	2-pole	●	straight	-		GSF1.2001.61
Rear Side	Snap-in	6	-	●	angled to pin axis	-		GSF1.0202.01
Rear Side	Snap-in	6	-	●	straight	-		GSF1.0201.01
Rear Side	Snap-in	6	1-pole	●	angled to pin axis	-		GSF1.1202.01
Rear Side	Snap-in	6	1-pole	●	straight	-		GSF1.1201.01
Rear Side	Snap-in	6	2-pole	●	angled to pin axis	-		GSF1.2202.01
Rear Side	Snap-in	6	2-pole	●	straight	-		GSF1.2201.01
Rear Side	Screw	6	-	●	angled to pin axis	-		GSF1.0002.01
Rear Side	Screw	6	-	●	straight	-		GSF1.0001.01
Rear Side	Screw	6	1-pole	●	angled to pin axis	-		GSF1.1002.01
Rear Side	Screw	6	1-pole	●	straight	-		GSF1.1001.01
Rear Side	Screw	6	2-pole	●	angled to pin axis	-		GSF1.2002.01
Rear Side	Screw	6	2-pole	●	straight	-		GSF1.2001.01
Rear Side	Metal snaps	6	-	●	angled to pin axis	Blister tray		GSF1.3402.01
Rear Side	Metal snaps	6	1-pole	●	angled to pin axis	Blister tray		GSF1.4402.01
Rear Side	Metal snaps	6	2-pole	●	angled to pin axis	Blister tray		GSF1.5402.01

Most Popular.

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

Insulation cover must be ordered separately. Order No. 0098.0078

Optional blister tray packaging 250 Pcs

Packaging unit 50 Pcs

Accessories

Description



Assorted Covers
Rear Cover

Mating Outlets/Connectors

Category / Description



Appliance Outlet Overview complete

IEC Appliance Outlet F, Screw-on Mounting, Front Side, Solder Terminal	4787
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 GSF1



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 GSF1	...

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 GSF1	

11.09.2018

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.