

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



Screw-On Version



Snap-In Version



Pick & Place Version



## 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
- For PCB mounting
- Pick and place version

## Approvals

- VDE Certificate Number: 40024857
- UL File Number: E93617, E96454
- CSA File Number: 38456
- CCC File Number: 2006010204183182

## 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](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [REACH](#), [Mating Connectors](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [CAD-Drawings](#), [Accessories](#), [Detailed request for product](#)

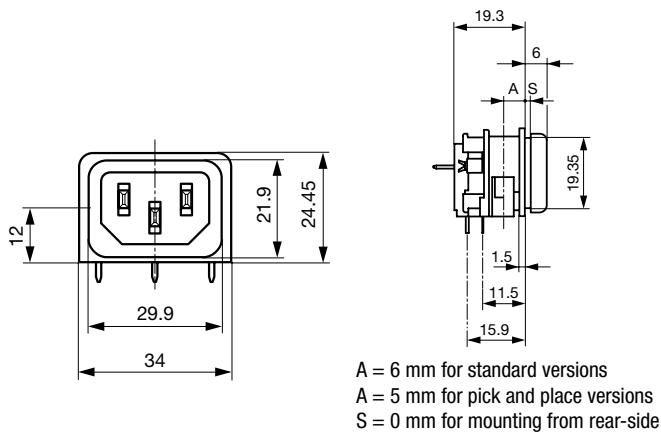
Newly available variants corresponding to V-Lock mating cordset. The connector is equipped with a notch intended for use with the latching cordset. The cord latching system prevents against accidental removal of the cordset.

## Technical Data

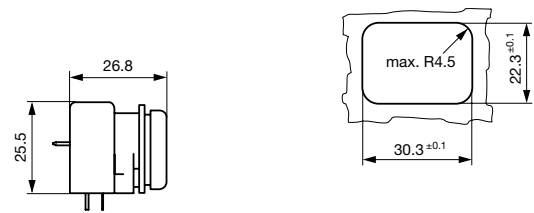
|                           |                                                                   |
|---------------------------|-------------------------------------------------------------------|
| Ratings IEC               | 10A / 250VAC; 50Hz                                                |
| Ratings UL/CSA            | 10A / 250VAC; 60Hz                                                |
|                           | without fuseholder 16A (UL)                                       |
| Dielectric Strength       | > 3 kVAC between L-N<br>> 4 kVAC between L/N-PE<br>(1 min/50Hz)   |
| Allowable Operation Temp. | -25 °C to 70 °C                                                   |
| Degree of Protection      | from front side IP 40 acc. to IEC 60529                           |
| Protection Class          | 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                   | C14 acc. to IEC 60320,<br>UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10A, 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: 3.15W (1 pole)/ 2.5W (2-pole) per pole                                                                          |
| Power Acceptance @ Ta > 23°C      | Admissible power acceptance at higher ambient temperature see derating curves                                           |

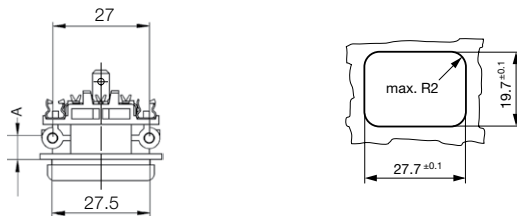
## Dimensions



with insulation cover



for mounting from rear-side

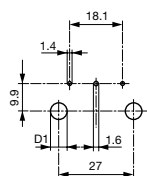


A = 6 mm for standard versions  
A = 5 mm for pick and place versions

for sandwich mounting

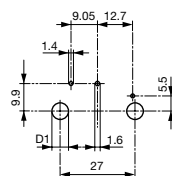
## Drilling diagrams

without fuseholder



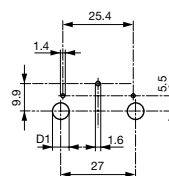
D1 for snap-in mounting =  $6 \pm 0.05$   
D1 for self-tapping screw =  $3.6 \pm 0.1$

with 1-pole fuseholder



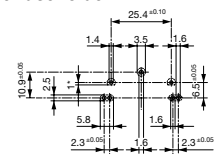
D1 for snap-in mounting =  $6 \pm 0.05$   
D1 for self-tapping screw =  $3.6 \pm 0.1$

with 2-pole fuseholder



D1 for snap-in mounting =  $6 \pm 0.05$   
D1 for self-tapping screw =  $3.6 \pm 0.1$

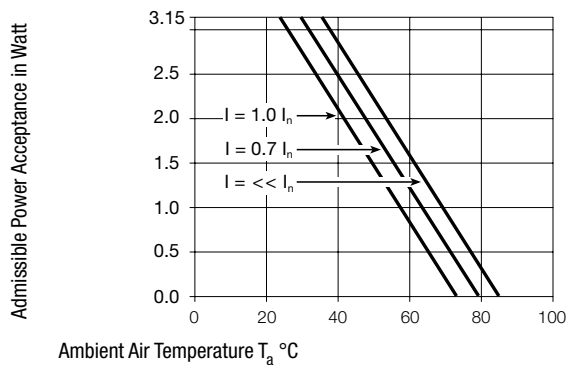
Pick and Place versions  
without / with 1-pole or  
2-pole fuseholder



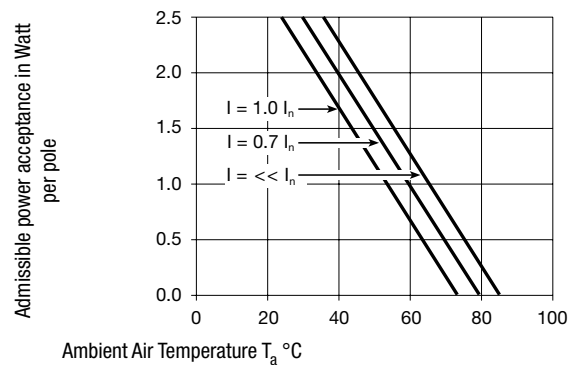
1\* only for protection class II

## Derating Curves

1-pole



2-pole



## All Variants

| Mounting side | Panel mounting | Panel Thickness<br>s [mm] | Fuseholder | Ground terminal 4.8<br>x 0.8 mm | Ground terminal direction | Packaging | 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          | 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 |
| 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 |

| Mounting side | Panel mounting | Panel Thickness<br>s [mm] | Fuseholder | Ground terminal 4.8<br>x 0.8 mm | Ground terminal direction | Packaging    | Order Number |
|---------------|----------------|---------------------------|------------|---------------------------------|---------------------------|--------------|--------------|
| 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: <http://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER>

Insulation cover must be ordered separately. Order No. 0098.0078

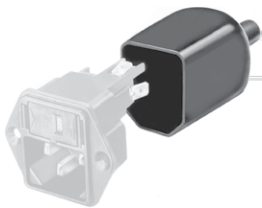
Suffix ".21" corresponds to the version with V-Lock mating cordset. The connector is equipped with a notch intended for use with the latching cordset. The cord latching system prevents against accidental removal of the cordset.

Optional blister tray packaging 250 Pcs

**Packaging unit** 50 Pcs

## Accessories

### Description



Assorted Covers  
Rear Cover

0098.0078

## 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    |
| 4022 Mounting: Power Supply Cord, 3 x 1.5 mm², Screw clamps, Connector: IEC C13 | 4022    |
| 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 |
| 4012 Mounting: Power Supply Cord, 3 x 1.5 mm², Screw clamps, Connector: IEC C13 | 4012    |

[Connector further types to GSF1](#)

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## Mating Outlets/Connectors shuttered



[Power Cord Overview complete](#)

|                                                         |           |
|---------------------------------------------------------|-----------|
| VAC17KS, North America, 2.0 m, Connector C17, cord end: | 6051.2801 |
| VAC17KS, Europlug, 2.0 m, Connector IEC C17, cord end:  | 6051.2803 |
| VAC17KS, Europlug, 2.0 m, Connector IEC C17, cord end:  | 6051.2813 |
| VAC13KS, Overview, diverse Connector IEC C13, cord end: | VAC13KS   |

[Power Cord further types to GSF1](#)