

IEC Appliance Inlet C14 with Filter, Fuseholder 1- or 2-pole, Line Switch 2-pole, for PCB Mounting

Standard- or Medical-Filter



V-Lock



Order required accessories separately



Description

- Panel Mount :
Screw-on mounting on PCB , from rear-side
- 4 Functions :
Appliance Inlet Protection class I , Line Switch 2-pole , Fuseholder for fuse-links 5 x 20 mm 1- or 2-pole , Line filter in standard and medical version
- V-Lock notch standard
- PCB terminals

Unique Selling Proposition

- Most compact power entry module
- Attractive flat design
- Switch for highest inrush current
- V-Lock cord retaining

Approvals

- Approval Reference Type: DD22
- VDE Certificate Number: 40001522
- UL File Number: E72928

Characteristics

- Ultra-compact design. Ideal for low profile designs
- All single elements are already wired
- For added safety "Extra-Safe" fuse drawers are available
- Ideal for application with high transient loads
- Suitable for use in equipment according to IEC/UL 60950
- Suitable for use in medical equipment according to IEC/UL 60601-1

Other versions on request

- Fuse drawer 1-pole, plus spare fuse case
- Fuse drawer 2-pole, with shorting bar
- Other rocker marking
- Line switch, illuminated
- Line switch 1-pole
- Medical version M80
- Protection class II, 70°C

References

Alternative: version without line filter [DD21](#)
Alternative: Standard version

Weblinks

[pdf datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [REACH](#), [Distributor-Stock-Check](#), [Accessories](#), [Detailed request for product](#)

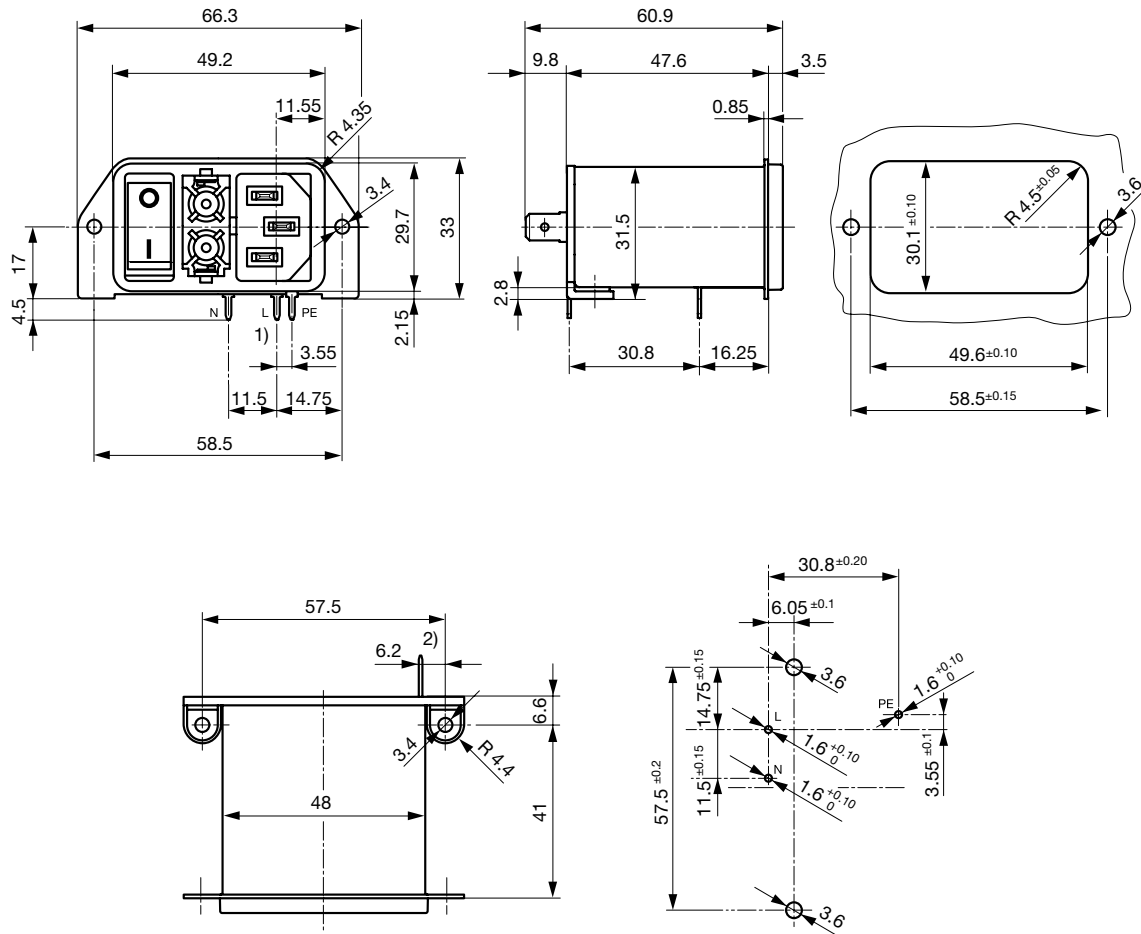
Technical Data

Ratings IEC	1 - 10A @ Ta 40 °C / 250 VAC; 50 Hz	appliance inlet/-outlet	C14 acc. to IEC 60320-1
Ratings UL/CSA	1 - 10A @ Ta 40 °C / 250 VAC; 50/60 Hz		UL 498 CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10A, Protection Class I
Leakage Current	standard < 0.5 mA (250 V / 60 Hz) medical < 5 µA (250 V / 60 Hz)		
Dielectric Strength	> 1.7 kVDC between L-N > 2.7 kVDC between L/N-PE Test voltage (1 min/50 Hz)	Fuseholder	1 or 2 pole, Shocksafe category PC2 acc. to IEC 60127-6, for fuse-links 5 x 20 mm
Allowable Operation Temperature	-25 °C to 85 °C	Rated Power Acceptance @ Ta 23 °C	5 x 20: 2 W (1 pole)/ 1.6 W (2-pole) per pole
Climatic Category	25/085/21 acc. to IEC 60068-1	Power Acceptance @ Ta > 23 °C	Admissible power acceptance at higher ambient temperature see derating curves
IP-Protection	from front side IP 40 acc. to IEC 60529	Line Switch	Rocker switch 2-pole, non-illuminated, acc. to IEC 61058-1 Technical Details
Protection Class	Suitable for appliances with protection class I acc. to IEC 61140	Line Filter	Standard and Medical Version, IEC 60939, UL 1283, CSA C22.2 no. 8 Technical Details
Terminal	For PCB mounting 3 mm additional quick connect 6.3 x 0.8 mm	MTBF	> 2'000'000 h acc. to MIL-HB-217 F
Panel Thickness S	Screw-on mounting: max 3 mm Mounting screw torque max 0.5 Nm		
Material: Housing	Thermoplastic, black, UL 94V-0		

Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in [General Product Information](#)

Dimension [mm]

Screw version



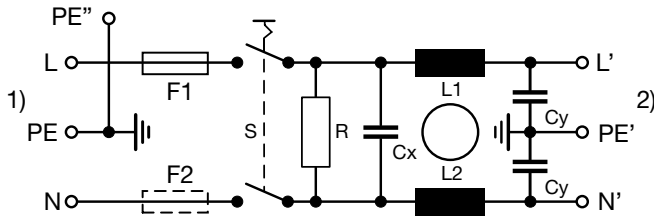
- 1) all terminals with 1.25 x 0.8
- 2) Quick connect terminal 6.3 x 0.8

Technical Data of Filter-Components

Rated Current [A]	Filter-Type	Inductances L [mH]	Capacitance CX [nF]	Capacitance CY [nF]	R [MΩ]
1	Standard Version	2 x 10	100	2.2	1
2	Standard Version	2 x 4	100	2.2	1
4	Standard Version	2 x 1.5	100	2.2	1
6	Standard Version	2 x 0.8	100	2.2	1
10	Standard Version	2 x 0.3	100	2.2	1
1	Medical Version (M5)	2 x 10	100	-	1
2	Medical Version (M5)	2 x 4	100	-	1
4	Medical Version (M5)	2 x 1.5	100	-	1
6	Medical Version (M5)	2 x 0.8	100	-	1
10	Medical Version (M5)	2 x 0.3	100	-	1

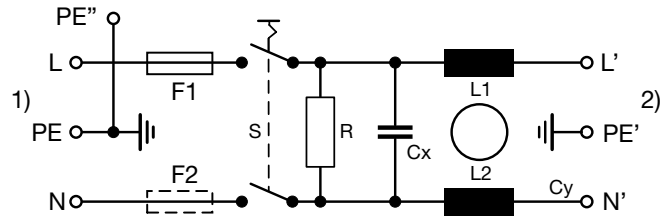
Diagrams

Filter Standard non-illuminated



1) Line
2) Load

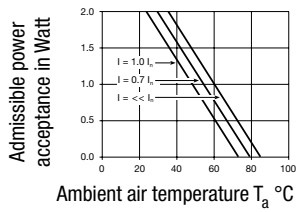
Filter Medical M5 non-illuminated



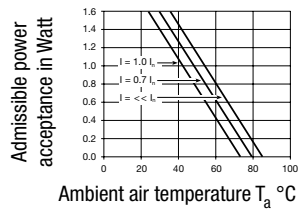
1) Line
2) Load

Derating Curves

1-pole



2-pole

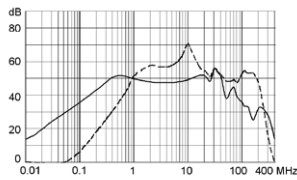


Attenuation Loss

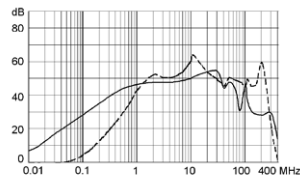
----- 50Ω differential mode _____ 50Ω common mode

Standard version

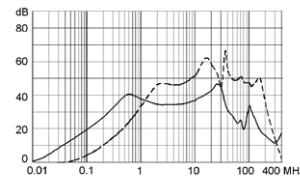
1 A



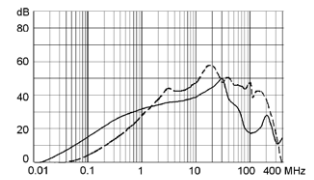
2 A



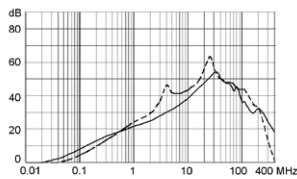
4 A



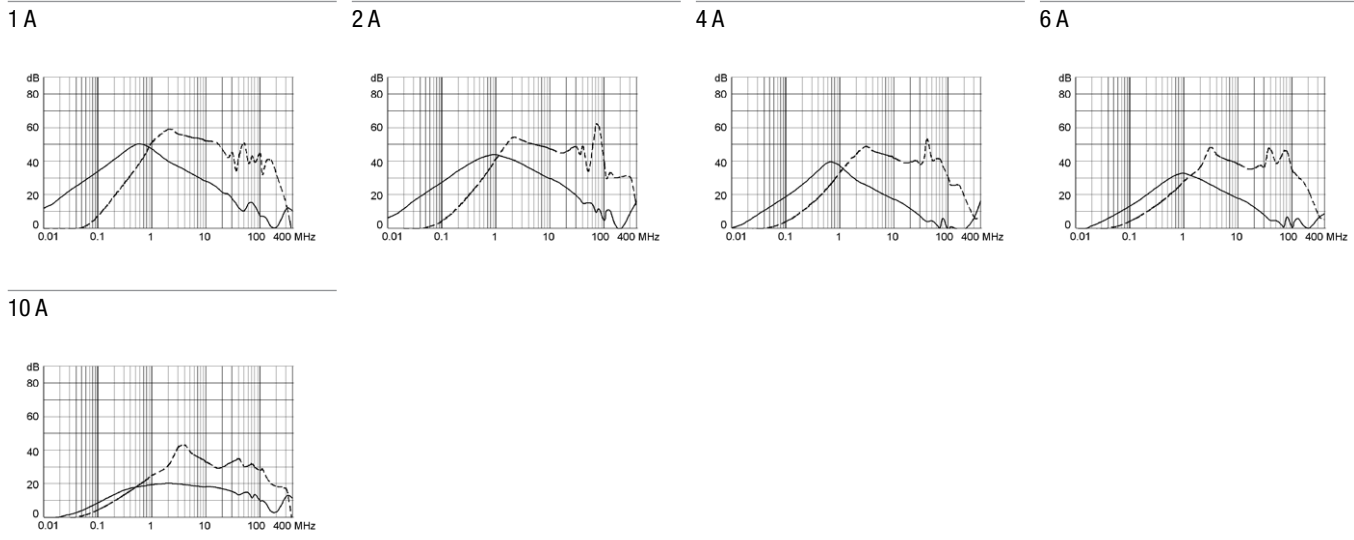
6 A



10 A



Medical version (M5)



All Variants

Rated Current [A]	Filter-Type	Fuseholder	Line Switch	Illumination	Order Number
1	Standard Version	1-pole	2-pole	non-illuminated	DD22.1111.1111
2	Standard Version	1-pole	2-pole	non-illuminated	DD22.2111.1111
4	Standard Version	1-pole	2-pole	non-illuminated	DD22.4111.1111
6	Standard Version	1-pole	2-pole	non-illuminated	DD22.6111.1111
10	Standard Version	1-pole	2-pole	non-illuminated	DD22.9111.1111
1	Standard Version	2-pole	2-pole	non-illuminated	DD22.1121.1111
2	Standard Version	2-pole	2-pole	non-illuminated	DD22.2121.1111
4	Standard Version	2-pole	2-pole	non-illuminated	DD22.4121.1111
6	Standard Version	2-pole	2-pole	non-illuminated	DD22.6121.1111
10	Standard Version	2-pole	2-pole	non-illuminated	DD22.9121.1111
1	Medical Version (M5)	2-pole	2-pole	non-illuminated	DD22.1321.1111
2	Medical Version (M5)	2-pole	2-pole	non-illuminated	DD22.2321.1111
4	Medical Version (M5)	2-pole	2-pole	non-illuminated	DD22.4321.1111
6	Medical Version (M5)	2-pole	2-pole	non-illuminated	DD22.6321.1111
10	Medical Version (M5)	2-pole	2-pole	non-illuminated	DD22.9321.1111

Most Popular.

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

Packaging unit 20 Pcs

Required Accessory

Description

Fusedrawer 2
Fusedrawer für Fuse Links 5x20 mm, with or without Voltage Selector Insert



Fingergrip, 2-pole	4301.1401
Extra-Safe, 2-pole	4301.1403
Fingergrip, 1-pole	4301.1405
Extra-Safe, 1-pole	4301.1407

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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 DD22](#)

[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 DD22](#) ...

Mating Outlets/Connectors shuttered

[Power Cord Overview complete](#)



VAC13KS, Overview, diverse Connector IEC C13, cord end:	VAC13KS
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[Power Cord further types to DD22](#)