IEC Appliance Inlet C14 with Filter 2-Stage, Fuseholder 1-pole, Line Switch 2-pole

Standard- or Medical-Filter



C14
70° C

Description
- Panel Mount:
  Screw-on mounting from front side
- 4 Functions:
  Appliance Inlet Protection class I, Fuseholder for fuse-links 5 x 20 mm
  1-pole, Line Switch 2-pole, Line-filter in standard version, 2 positions
- Quick connect terminals 6.3 x 0.8 mm

Approvals
- VDE License Number: 40004665
- UL License Number: E72928

Characteristics
- Compact design with optimal shielding
- All single elements are already wired
- Plug removal necessary for fuse-link replacement
  If the power entry module is installed as normal, it is not possible to touch any live parts with the test-finger according to IEC60529
  Fuse drawer meets requirements of medical standard IEC/EN 60601-1
  The fuseholder is accessible from the equipment front
- 2-stage line filter with increased attenuation
  With EMC-shield
- Qualified for use in equipment according IEC/EN 60950

Other versions on request
- Medical version M80

References
General Product Information

Weblinks
Approvals, RoHS, CHINA-RoHS, Mating Connectors, Distributor-Stock-Check, Accessories

Technical Data

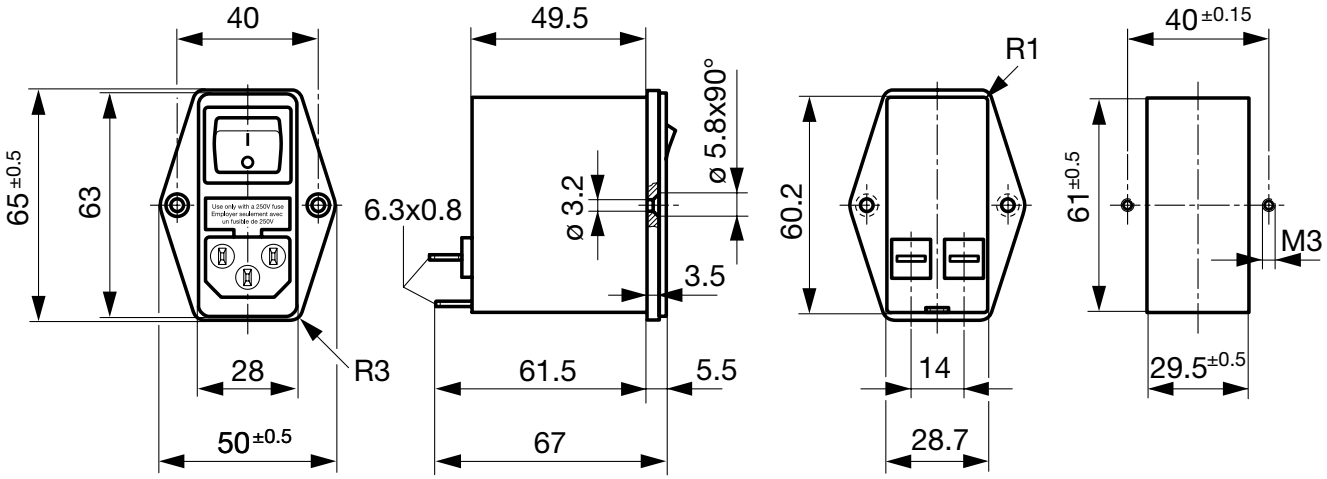
Ratings IEC	1 - 10 A @ Ta 40 °C / 250 VAC; 50 Hz
Ratings UL/CSA	1 - 10 A @ Ta 40 °C / 125 VAC; 60 Hz
Leakage Current	standard < 0.25 mA (250 V / 60 Hz)
Dielectric Strength	> 1.7 kVDC between L-N > 2.7 kVDC between L/N-PE Test voltage (2 sec)
Allowable Operation Temp.	-25 °C to 85 °C
Climatic Category	25/085/21 acc. to IEC 60068-1
Degree of Protection	from front side IP 40 acc. to IEC 60529
Protection Class	Suitable for appliances with protection class 1 acc. to IEC 61140
Terminal	Quick connect terminals 6.3 x 0.8 mm
Panel Thickness s	Screw: max 8 mm Mounting screw torque max 0.5 Nm
Material: Housing	Thermoplastic, black, UL 94V-0

Appliance-Inlet/-Outlet	C14 acc. to IEC/EN 60320-1, UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 10 A, Protection Class 1
Fuseholder	1-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: 1.6 W (1 pole)
Power Acceptance @ Ta > 23°C	Admissible power acceptance at higher ambient temperature see derating curves
Line Switch	Rocker switch 2-pole, non-illuminated, acc. to IEC 61058-1 Technical details
Line Filter	Standard Version, IEC 60939, IEC 60601-1, UL 1283, UL 544, EN 133 200, CSA C22.2 no. 8 Technical details
MTBF	> 1'200'000 h acc. to MIL-HB-217 F

Dimensions

67 mm

Case 45
recommend for new designs

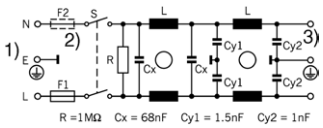


Technical Data of Filter-Components

Rated Current [A]	Filter-Type	Inductances L [mH]	Capacitance CX [nF]	Capacity Cy1 [nF]	Capacity Cy2 [nF]	R [MΩ]
1	Standard Version	2 x 10	68	1.5	1	1
2	Standard Version	2 x 4	68	1.5	1	1
4	Standard Version	2 x 1.5	68	1.5	1	1
6	Standard Version	2 x 0.8	68	1.5	1	1
10	Standard Version	2 x 0.3	68	1.5	1	1
1	Medical Version (M5)	2 x 10	68	-	-	1
2	Medical Version (M5)	2 x 4	68	-	-	1
4	Medical Version (M5)	2 x 1.5	68	-	-	1
6	Medical Version (M5)	2 x 0.8	68	-	-	1
10	Medical Version (M5)	2 x 0.3	68	-	-	1

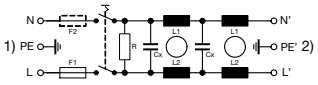
Diagrams

Standard version



1) Line
2) only FKID
3) Load

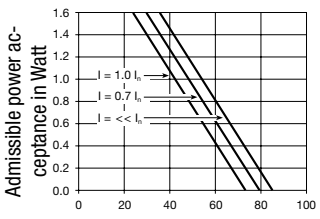
Medical version



1) Line
2) Load

Derating Curves

1-pole

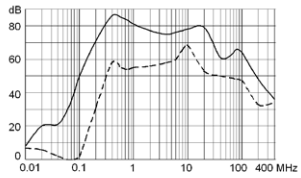


Attenuation Loss

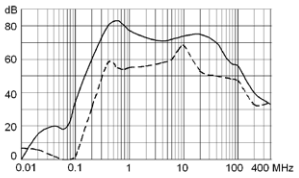
- - - - differential mode ____ common mode

Standard version

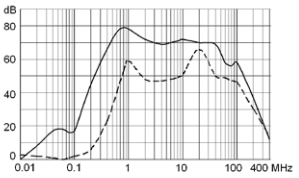
1 A



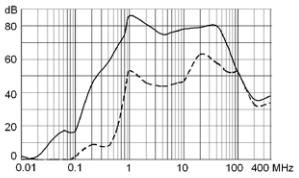
2 A



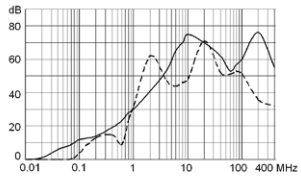
4 A



6 A

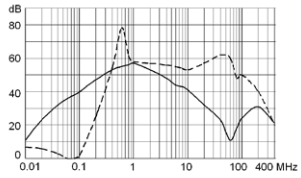


10 A

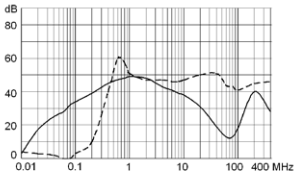


Medical version (M5)

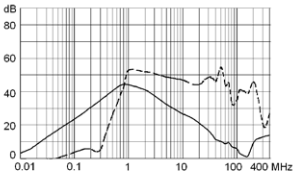
1 A



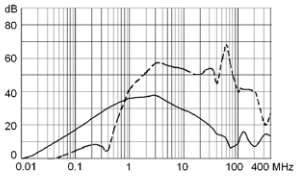
2 A



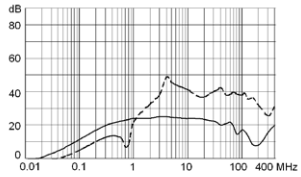
4 A



6 A



10 A



Variants

Socket and fuse drawer included

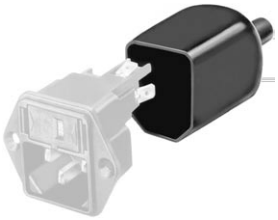
Type	Rated Current [A]	Filter-Type	Fuseholder	Line Switch	Housing	Material: Housing	Comment	Order Number
FKHD	1	Standard Version	1-pole	2-pole	45	Aluminum	-	4304.5041
FKHD	2	Standard Version	1-pole	2-pole	45	Aluminum	-	4304.5042
FKHD	4	Standard Version	1-pole	2-pole	45	Aluminum	-	4304.5043
FKHD	6	Standard Version	1-pole	2-pole	45	Aluminum	-	4304.5044
FKHD	10	Standard Version	1-pole	2-pole	45	Aluminum	-	4304.5045
FKHD	1	Medical Version (M5)	1-pole	2-pole	45	Aluminum	-	4304.5046
FKHD	2	Medical Version (M5)	1-pole	2-pole	45	Aluminum	-	4304.5047
FKHD	4	Medical Version (M5)	1-pole	2-pole	45	Aluminum	-	4304.5048
FKHD	6	Medical Version (M5)	1-pole	2-pole	45	Aluminum	-	4304.5049
FKHD	10	Medical Version (M5)	1-pole	2-pole	45	Aluminum	-	4304.5050
FKHD	1	Standard Version	1-pole	2-pole	45	Nickel plated steel	1)	4304.5001
FKHD	2	Standard Version	1-pole	2-pole	45	Nickel plated steel	1)	4304.5002
FKHD	4	Standard Version	1-pole	2-pole	45	Nickel plated steel	1)	4304.5003
FKHD	6	Standard Version	1-pole	2-pole	45	Nickel plated steel	1)	4304.5004
FKHD	10	Standard Version	1-pole	2-pole	45	Nickel plated steel	1)	4304.5005
FKHD	1	Medical Version (M5)	1-pole	2-pole	45	Nickel plated steel	1)	4304.5051

Type	Rated Current [A]	Filter-Type	Fuseholder	Line Switch	Housing	Material: Housing	Comment	Order Number
FKHD	2	Medical Version (M5)	1-pole	2-pole	45	Nickel plated steel	1)	4304.5052
FKHD	4	Medical Version (M5)	1-pole	2-pole	45	Nickel plated steel	1)	4304.5053
FKHD	6	Medical Version (M5)	1-pole	2-pole	45	Nickel plated steel	1)	4304.5054
FKHD	10	Medical Version (M5)	1-pole	2-pole	45	Nickel plated steel	1)	4304.5055

1) Versions with nickel plated steel enclosure are on phase-out. For new designs we recommend the versions with aluminum enclosure.

Packaging unit 10 Pcs

Accessories



Description	
Assorted Covers Rear Cover	0859.0074

Mating Outlets/Connectors







Category / Description	
Appliance Outlet Overview complete	
IEC Appliance Outlet F, Screw-on Mounting, Front Side, Solder or Quick-connect 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
IEC Appliance Outlet F or H, Screw-on Mounting, Front Side, Solder or Quick-connect Terminal	5092
Appliance Outlet further types to FKHD	
Connector Overview complete	
IEC Connector C15, Rewireable, Straight	0101
IEC Connector C15A, Rewireable, Straight	0102
IEC Connector C15A, Rewireable, Straight	0102-G
IEC Connector C15A, Rewireable, Angled	0112
IEC Connector C13, Rewireable, Angled	4012
Connector further types to FKHD	...
Power Cord Overview complete	
Power Cord with IEC Connector C13, Angled	0311
Power Cord with IEC Connector C13, Angled	3011
Power Cord with IEC Connector C13, Angled	3012
Power Cord with IEC Connector C13, Angled	3013
Power Cord with IEC Connector C13	3020
Power Cord further types to FKHD	...

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