

IEC Appliance Inlet C8 with Filter, Front Side Mounting

Standard- or Medical-Filter



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Snap-in mounting from front side

Screw-on mounting from front side



Description

- Panel Mount:
Screw-on or snap-in mounting from front side
- 2 Functions:
Appliance Inlet Protection class II, Line filter in standard and medical version
- Solder terminals or quick connect terminals

Approvals

- VDE Certificate Number: 40029278
- UL File Number: E72928

Characteristics

- Compact high performance filter
- Designed for standard and medical applications
- Qualified for use in equipment according IEC/EN 60950

Other versions on request

- Standard version without X-capacitor

References

General Product Information

Weblinks

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

Technical Data

Ratings IEC	0.5 - 2.5A @ Ta 40 °C / 250VAC; 50Hz
Ratings UL/CSA	0.5 - 6A @ Ta 40 °C / 250VAC; 60Hz
Dielectric Strength	> 1.7kVDC between L-N > 4kVDC between L/N-PE Test voltage (2 sec)
Impulse Withstand Voltage	> 2.5kV between L-N
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 2 acc. to IEC 61140
Terminal	solder pin or quick connect terminals 6.3 x 0.8 or 4.8 x 0.8 mm
Panel Thickness s	Screw Mounting screw torque max 0.5Nm Snap-in 1 mm to 3mm
Material: Housing	Thermoplastic, black, UL 94V-0

Appliance-Inlet/-Outlet	C8 acc. to IEC/EN 60320-1 UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70 °C, 2.5 A, Protection Class 2
Line Filter	Standard and Medical Version, IEC 60939, IEC 60601-1, UL 1283, UL 544, CSA C22.2 no. 8 Technical details
MTBF	> 6'700'000h acc. to MIL-HB-217 F

Dimensions

Screw-on mounting from front side

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Snap-in mounting from front side

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Technical Data of Filter-Components

Rated Current [A]	Filter-Type	Inductances L [mH]	Capacitance CX [nF]	Capacitance CY [nF]	R [mΩ]
0.5	Standard Version	2 x 18	100	-	-
1	Standard Version	2 x 8	100	-	-
2.5	Standard Version	2 x 1.2	100	-	-
4	Standard Version	2 x 0.8	100	-	-
6	Standard Version	2 x 0.3	100	-	-
0.5	Medical Version (M5)	2 x 18	100	-	1
1	Medical Version (M5)	2 x 8	100	-	1
2.5	Medical Version (M5)	2 x 1.2	100	-	1
4	Medical Version (M5)	2 x 0.8	100	-	1
6	Medical Version (M5)	2 x 0.3	100	-	1

Diagrams

Standard version

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Medical version M5

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1) Line
 2) Load

1) Line
 2) Load

Derating Curves

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Admissible operating current
 in % of In

Ambient air temperature Ta °C

Attenuation Loss 0.1/100Ω differential mode 100/0.1Ω differential mode - - - differential mode ____ common mode

Standard version

0.5 A

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Medical version (M5)

0.5 A

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Variants

Rated Current [A]	Filter-Type	Mounting	Terminal	Order Number
0.5	Standard Version	Snap-in 1.0	Quick connect terminal 4.8 x 0.8 mm	5008.1010
0.5	Standard Version	Snap-in 1.5	Quick connect terminal 4.8 x 0.8 mm	5008.2010
1	Standard Version	Snap-in 1.5	Solder terminal	5008.2021
1	Standard Version	Snap-in 1.5	Quick connect terminal 6.3 x 0.8 mm	5008.2001
1	Standard Version	Snap-in 2.0	Quick connect terminal 4.8 x 0.8 mm	5008.3011
2.5	Standard Version	Snap-in 1.0	Quick connect terminal 4.8 x 0.8 mm	5008.1012
2.5	Standard Version	Snap-in 1.5	Solder terminal	5008.2022
2.5	Standard Version	Snap-in 1.5	Quick connect terminal 4.8 x 0.8 mm	5008.2012
2.5	Standard Version	Snap-in 2.0	Solder terminal	5008.3022
2.5	Standard Version	Snap-in 2.0	Quick connect terminal 6.3 x 0.8 mm	5008.3002
2.5	Standard Version	Screw	Solder terminal	5008.0022
2.5	Standard Version	Screw	Quick connect terminal 6.3 x 0.8 mm	5008.0002
2.5	Standard Version	Screw	Quick connect terminal 4.8 x 0.8 mm	5008.0012
4	Standard Version	Snap-in 1.5	Quick connect terminal 4.8 x 0.8 mm	5008.2014
6	Standard Version	Snap-in 1.0	Quick connect terminal 4.8 x 0.8 mm	5008.1016
6	Standard Version	Screw	Quick connect terminal 6.3 x 0.8 mm	5008.0006
0.5	Medical Version (M5)	Snap-in 1.0	Quick connect terminal 4.8 x 0.8 mm	5008.1110
1	Medical Version (M5)	Snap-in 1.0	Quick connect terminal 4.8 x 0.8 mm	5008.1111
1	Medical Version (M5)	Snap-in 2.0	Quick connect terminal 4.8 x 0.8 mm	5008.3111
1	Medical Version (M5)	Screw	Quick connect terminal 4.8 x 0.8 mm	5008.0111
2.5	Medical Version (M5)	Snap-in 1.0	Quick connect terminal 4.8 x 0.8 mm	5008.1112
2.5	Medical Version (M5)	Snap-in 2.0	Quick connect terminal 6.3 x 0.8 mm	5008.3102
4	Medical Version (M5)	Snap-in 1.0	Quick connect terminal 4.8 x 0.8 mm	5008.1114
6	Medical Version (M5)	Snap-in 1.0	Quick connect terminal 4.8 x 0.8 mm	5008.1116

Packaging unit

20 Pcs

Mating Outlets/Connectors

Category / Description


[Appliance Outlet Overview complete](#)

IEC Appliance Outlet D, Screw-on Mounting, Front or Rear Side, Solder Terminal	5082
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[Appliance Outlet further types to 5008](#)

[Connector Overview complete](#)

IEC Appliance Outlet D, Inlay Mounting, Solder Terminal	5081
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IEC Appliance Outlet D, Screw-on Mounting, Front Side, Solder Terminal	5084
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IEC Appliance Outlet D, insert Mounting, Solder Terminal	5086
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[Connector further types to 5008](#)

[Power Cord Overview complete](#)

Power Cord with IEC Connector C7, Straight 70°C	2510
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Power Cord with IEC Connector C7, Angled	2511
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Power Cord with IEC Plug C7, Angled	2514
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Power Cord with IEC Connector C7, Straight 70°C	4810
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[Power Cord further types to 5008](#)