schaffner
MORE POWER TO YOU

FN2200B-1000-99

SAP Code: 803521

- Chassis mount
- 1 A EMC filter with bus bars
- DC

Buy article now

Approvals & Compliances

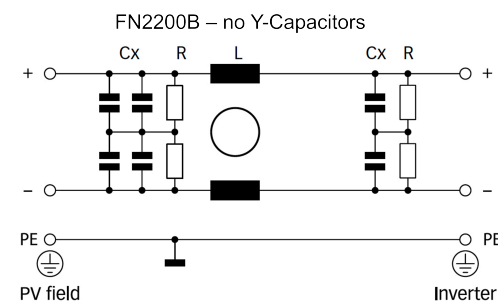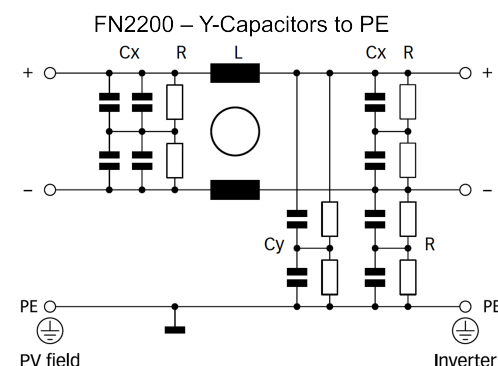cURus   ENEC14   RoHS   UKCA

(cURus:600 VDC) (ENEC14: 600 VDC)

Features and Benefits

Installed between the PV inverter and the solar panel, FN2200 DC filters help to control conducted emissions on the panel side of the system and therefore reduce the potential for interference radiation off the panel. The filter also protects the solar panel from HF stray and leakage currents which can cause pre-mature aging in the PV modules.

Typical Applications

FN 2200 are primarily designed for PV inverters. However, they can potentially also be used in other DC applications within published specifications, like UPS, DC motor drives, or DC quick chargers.

Family Technical Specifications

Maximum continuous operating voltage	Max. 1200 VDC
Operating frequency	DC
Rated currents	1000
High potential test voltage	P –> E 3600 VDC for 2 sec P –> P 3000 VDC for 2 sec
Protection category	IP 20 (25 to 150 A types) IP 00 (250 to 2300 A types)
Overload capability	4x rated current at switch on, 1.5x rated current for 1 minute, once per hour
Temperature range (operation and storage)	-40℃ to +100℃ (40/100/21)
Design corresponding to	UL 1283, CSA 22.2 No. 8 1986, IEC/EN 60939
Flammability corresponding to	UL 94 V-2 or better

Typical electrical schematic

FN2200 – Y-Capacitors to PE

FN2200B – no Y-Capacitors

General Specification

Voltage AC	1200 (Volt)
Nominal Frequency	DC
Rated Current @ambient	1000
Ambient temperature [°C]	55

Electric Specification

Input terminal	99 - special / busbar
Output terminal	99 - special / busbar

Attenuation Specification

DM attenuation @ 150kHz [dB]	16 (Decibels)

Mechanic Specification

Length [mm]	300
Width [mm]	150
Height [mm]	140
Volume [cm3]	6300 (Cubic Centimeter)
NetWeight [g]	9400 (Gram)
Power Loss [W]	40 (Watt)

Schaffner schemes

Mechanical Data Image
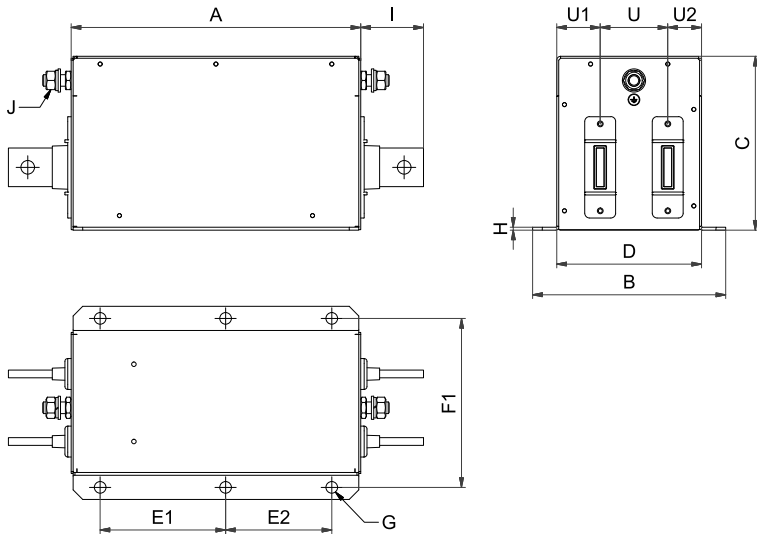
Dimensions

A [mm]	300
B [mm]	200
C [mm]	140
D [mm]	150
E [mm]	130 , 110
F [mm]	175
G [mm]	Ø 12
H [mm]	3
I [mm]	65
J [mm]	M12
U [mm]	70, 45, 32
V [mm]	40
W [mm]	8
X [mm]	20
Y [mm]	65
Z [mm]	Ø 14