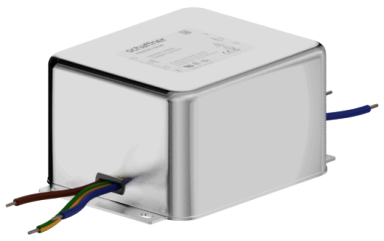
FN2060-16-07

SAP Code: 800561



- Chassis mount
- 16 A EMC filter with wire leads
- General
- 1 Phase

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Family Technical Specifications

Rated voltage*	250 VAC, 50/60 Hz 250 VDC
Operating frequency	DC to 400 Hz
Rated currents	16
High potential test voltage	P –> PE 2000 VAC for 2 sec P –> PE 2500 VAC for 2 sec (B types) P –> N 1100 VDC for 2 sec
Temperature range (operation and storage)	-25°C to +100°C (25/100/21)**
Certified to	UL 1283, CSA 22.2 No. 8 1986, IEC/EN 60939 (applies to AC and DC applications)
Flammability corresponding to	Laces for -07 version: UL 94 VW-1 Terminal plastic for -06/-08 version: UL 94 V-0 Grommet for -07 version: UL 94 V-0
Design corresponding to	UL 1283, CSA 22.2 No. 8 1986, IEC/EN 60939
Overvoltage category	II acc. IEC 60664-1
Pollution degree	2 acc. IEC 60664-1
Altitude	2000m (above derating applies)**

* maximum RMS operating voltage at rated frequency or the maximum DC operating voltage ** for dedicated requests exceeding this specification (e.g. -40 °C or higher altitude) please contact your local Schaffner Sales office

Approvals & Compliances

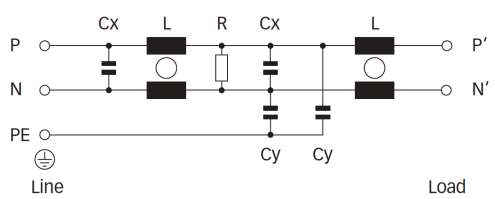
Features and Benefits

- FN 2060 two-stage filters are designed for easy and fast chassis mounting
- FN 2060 B versions without capacitors to earth comply to 1MOP for ME (medical equipment) acc. IEC 60601-1
- FN 2060 A version with low capacitance to earth for safety critical applications with necessity for low leakage currents
- All filters provide a high conducted attenuation performance, based on chokes with high saturation resistance and excellent thermal behavior
- FN 2060 two-stage filters are designed for noisy applications requiering good differential and common-mode attenuation
- FN 2060 filters are also available as single-stage filters (FN 2010 series)
- Various terminal options allow you to select the desired connection style

Typical Applications

- Electrical and electronic equipment
- Consumer goods
- Household equipment
- Building automation
- Industrial applications
- Machinery
- Medical equipment
- Electronic data processing equipment
- Office automation and datacom equipment
- Various noisy applications requiering good filter performance

Typical electrical schematic



General Specification

Voltage AC	250 (Volt)
Nominal Frequency	50
Rated Current @ambient	16
Ambient temperature [°C]	40

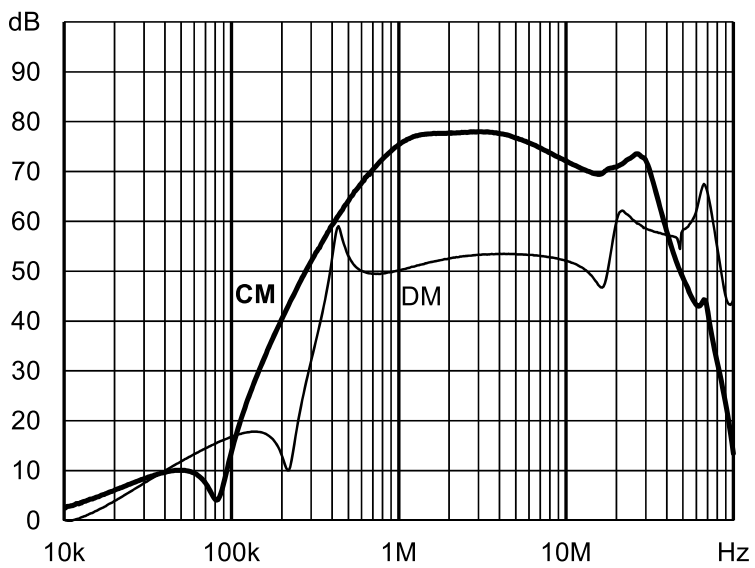
Electric Specification

Leakage current (IEC60939) [mA]	0.66
Leakage current (Schaffner) [mA]	1.33
Input terminal	07 - wire
Output terminal	07 - wire
Resistance	1000 (Kiloohm)

Attenuation Specification

CM attenuation @ 150kHz [dB]	16 (Decibels)
DM attenuation @ 150kHz [dB]	13 (Decibels)
Inductance L1 [µH]	0.65 (Millihenry)
Capacitance Cx1 [µF]	0.33 (Microfarad)
Capacitance Cy1 [nF]	4.7 (Nanofarad)

Attenuation graph

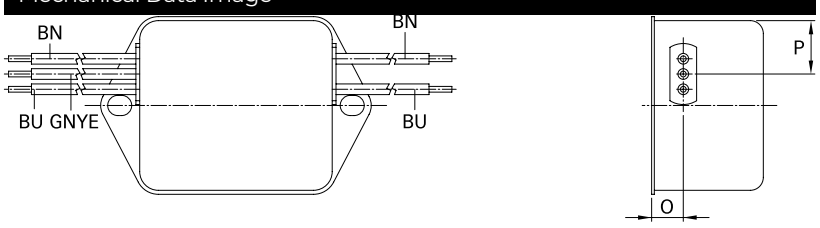


Mechanic Specification

Length [mm]	64.8
Width [mm]	49.8
Height [mm]	40.3
Volume [cm3]	130 (Cubic Centimeter)
NetWeight [g]	260 (Gram)
Power Loss [W]	4.4 (Watt)

Schaffner schemes

Mechanical Data Image



Dimensions

A [mm]	85
B [mm]	54
C [mm]	40.3
D [mm]	64.8
E [mm]	49.8
F [mm]	75
G [mm]	27
H [mm]	12.3
I [mm]	29.8
J [mm]	11.4
K [mm]	5.3
L [mm]	6.3
M [mm]	0.7
N [mm]	6.3 x 0.8
O [mm]	8.3
P [mm]	14.9