Harmonic filter

HF1P 0,19-230



Picture shows HF1P 0,59-230

Advantages

- Sinusoidal current consumption from the main in devices with uncontrolled B2U diode rectifiers
- Compliance with EN 61000-3-2, EN 61000-3-12
- Support in the compliance with IEEE 519, D-A-CH-CZ
- Power factor >0,95 at rated current
- Operation at 50 - 60 Hz possible
- Use of the HF1P as a central sum filter for multiple converters possible

Applications

Harmonic filter module to ensure sinusoidal main currents, reduction of main harmonic currents, increase in system service life and system reliability and compliance with power quality standards such as IEEE 519, TEC 61000-3-2, IEC 61000-3-12.

Standards

Harmonic filter in accordance with
EN 61558 Part 1, EN 61558 Part 20, UL 508 17th Ed., CSA 22.2 No. 14-10

Approvals



Harmonic filter
HF1P 0,19-230

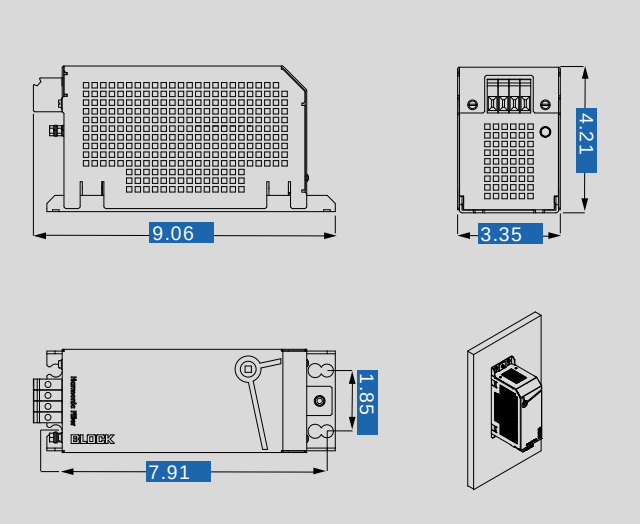
Electrical data

Type	HF1P 0,19-230
Operating data	
Rated voltage	230 Vac
Voltage range	207-253 Vac
Rated current	0.84 A
THD-I	10 % at 50 Hz, 18 % at 60 Hz (nominal load)
Rated load power	0.25 HP
Description of the load	Symmetrical loading by converters with B2U input rectifiers
Overrating Capacity	150 % for 60 sec. every 10 min.
Efficiency	85 %
Power loss	27 W
Capacitive idle power	0.1 kVAr
Input	
Rated frequency	50 - 60 Hz
Environment	
Ambient temperature	14 °F to 104 °F, without condensation
Type of cooling	Air natural
MTBF @ 122 °F/500 V (Mil-HB-217F)	>500.000 h @ 40°C/400Vac
Safety and protection	
Type	Metal enclosure
Insulation class	H
Protection index	IP 20
Safety class	I
Notes	
*	IE2 efficiencies of the motors and an efficiency >96 % assumed
Order numbers	
Order Number	**HF1P 0,19-230**

Mechanical data

Type	HF1P 0,19-230
Terminal and mounting	
Terminals phase	Screw clamp, 16 mm²
Connection type	Bolt, M6
Fixing method	Mounting lugs
Measures and weights	
Weight	3.97 lbs

Dimensions in inch



Subject to change.