



Automatización Eléctrica

Especialistas en Automatización

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Harmonic filter **HFM-FB 24-400**



Picture shows HFM-FB 24-400

Advantages

Sinusoidal current consumption from the mains in devices with uncontrolled B6U diode rectifiers or controlled B6C thyristor bridges

Compliance with EN 61000-3-2, EN 61000-3-12

Support in the compliance with IEEE 519, D-A-CH-CZ

$\text{Cos}(\phi) > 0.95$ at rated current

Hardly any intermediate circuit voltage dip by comparison with a 4 % uK line reactor

Use of the HFM as a central sum filter for multiple converters possible

Applications

Harmonic filter module to ensure sinusoidal mains currents, reduction of mains 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



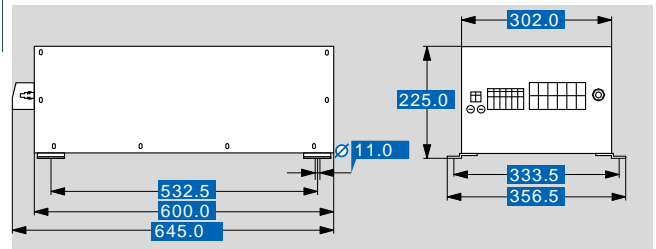
UL 506, CSA 22.2



Harmonic filter HFM-FB 24-400

Type	HFM-FB 24-400
Electrical data	
Operating data	
Rated current	3 x 35.00 A
Rated voltage	3 x 400 Vac
Voltage range	380 - 440 Vac
Rated frequency	50 Hz
THD-I	7 % typ at nominal load
Rated load power*	15.0 and 18.5 kW
Description of the load	Balanced load by inverter
Overtopping Capacity	150 % for 60 sec. every 10 min.
Efficiency	99 %
Approvals	
Approvals	cURus
Environment	
Ambient temperature	-10 °C to +40 °C, without condensation
MTBF @ 50°C/500 V (Mil-HB-217F)	>200.000 h
Safety and protection	
Type	Metal enclosure
Class of Insulation System	IEC=F, UL=class 155
Protection index	IP 00
Safety class	I
SCCR	100 kA
Notes	
*	IE2 efficiencies of the motors and an efficiency >96 % assumed
Order numbers	
Order Number	HFM-FB 24-400

Type	HFM-FB 24-400
Mechanical data	
Terminal and mounting	
Terminals phase	Screw clamp, 50 mm ² for M8
Terminals PE	PRI 50, SEC 16
Connection cross section [mm ²]	Mounting lugs
Fixing method	
Measures and weights	
Weight	49.00 kg



Subjects to change.



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Product	Code	Reference	Product link
Harmonic filter For generating sinusoidal supply currents, reduction of the harmonic levels to THD-I $\leq 7\%$, 10 - 433 A	HFMFB24400	HFM-FB 24-400	Buy on EAN