AXF

75 A, 100 A, 150 A

Active Harmonic Filters

The Active Filters of AXF series have a very sophisticated energy quality control capability, able to filter harmonics up to the 50th order. Applicable in any condition both in the industrial and civil sectors, they represent the ideal solution for the treatment of non-linear loads.

Principle of operation

AXF picks up the current signal in real time through the C.T., separating the harmonic part through the internal detection circuit. At the same time, it generates a compensation current, 180 ° out of phase with respect to the harmonic signals through IGBT power converters. The output current changes dynamically and precisely according to the harmonic content present in the network

Applications

Heavy industry
Data Center
Cement plant
Paper mills
Building Automation
Automotive
Waste treatment

General features

Display touch-screen 7’’
Redundant operation
Harmonic residue ≤ 6 – 7 %
Serial port RS232, RS485, Modbus operation

Technical features

Code	AXF…..
Rated Voltage	400 V ± 15 %
Rated Frequency	50 / 60 Hz
Current	75 A, 100 A, 150 A
Harmonic analysis	from 2° to 50° order
Harmonic residue	from 7 % to 12 %
Alarms	Overvoltage, overcurrent, overtemperature (>500 alarms)
Insertion time	< 20 ms
Sampling rate	200 kHz
Switching frequency	80 kHz
Cooling system	Automatic
Working temperature	-10° C / +45°C
Noise	< 60 db
Altitude	< 1500 m
Humidity	< 90 %
Losses	< 3 %
Color	RA7035
Dimensions (WxHxD)	800 x 2200 x 800 mm
Degree of protection	IP30
Standards	IEC standard

TELEGROUP

TELEGROUP S.r.l.
Via L. Da Vinci, 100
50028, Tavarnelle Val di Pesa, Loc.
Sambuca (FI) – Italy
P. IVA 0438 634 0485

Tel. +39 055 80 71 267
Fax + 39 055 80 71 338
telegroup@telegroup.it
www.telegroup.it