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ISO 9001
QUALITY
MANAGEMENT

UKAS
MANAGEMENT
SYSTEMS
0015

Certificate No: 1560

RHF-Active HMI module 10.1

Main

Product type	10.1 inch Full HD through touch screen HMI for communication with one or several DPQFm modules. The HMI can be used as a full access PC connected to the Active filter and is configured with Linux OS and the Active Filter software. Customized access level can be available in order to prevent unauthorized modification of the filter settings.
Type code	RHF-Active HMI module 10.1
Order code	35000988
Supply voltage	110-240 V (+10% / -15%) 50Hz/60Hz (+/- 2%) For supply with a RHF-Active 3P3W with lack of single phase supply the option HMI supply transformer can be considered.
Display	10.1 inch. 16 x 10 / Full HD / 60Hz Chemically tempered, Mohs class 7 explosion-proof glass
Resolution	1920 x 1200
Brigthness	>=250cd/m²
Contrast ratio	>=800 :1
Response time	<5ms

Environmental data

Degree of prot.	IP54 (Front only)
Operating temp.	10-50°C
Humidity	5…..80%
Ambient temp.	min. 10°C (50°F) max. 50 °C (122°F)
Altitude	<5000m

specific data

Power consumption	36W
Standby	< 0.5W
Mounting	Panel through
Weight	0.9kg / packed weigth 2.1kg

RHF-Active software

Active Harmonic Filters are parallel filter circuits injecting harmonics into the supply. These Harmonics have phase shift of 180° compared to the harmonics in the system. Therefore the injected Harmonics are eliminating the Harmonics seen from the mains supply. The following picture helps to verify the principle.

The RHF-Active, does not require any expensive commissioning on site. After power up, the unit will do self commissioning in order to reach the best possible performance, but of course individual settings are also possible. Beside harmonic mitigation of harmonics from the 2nd to 60th order, the RHF-Active offer compensation functions such as power factor correction and imbalance compensation.
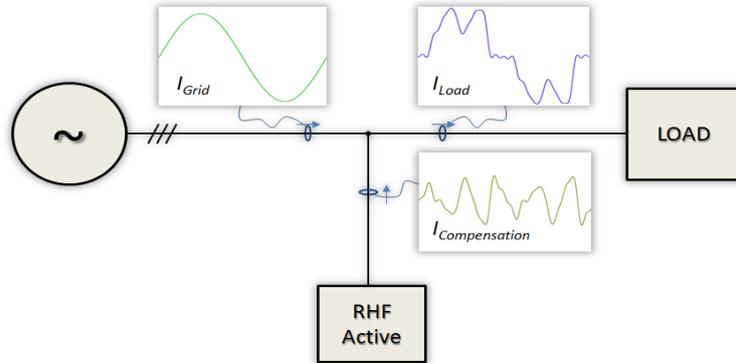
Physical dimensions RHF-Active HMI Module