

TECHNICAL SPECIFICATION

Controller for automatic regulation of the capacity factor ($\cos\varphi$ regulator)



Description:

The automatic regulators of the capacity factor RPCF-xx series are devices for monitoring of low voltage systems and control of switching on of capacitor batteries for the capacity factor compensation. There is possibility for adjustment of the system parameters and control. Manufactured by the latest CMOS technology, they are distinguished with high degree of data security, easy programming and secure control of the outlets. There is possibility for indication and setting the parameters of the power supply system as: capacity coefficient, display of the system parameters such as voltage, current and capacity, losses, protection against overload, overload indication or lack of voltage, etc. The change of parameters is performed through a combination of buttons on the front panel. There is light diode to indicate which parameter is being displayed on the screen and which outlets are in operation. The display is four digital. There is possibility for choice of the working conditions: manual or automatic.

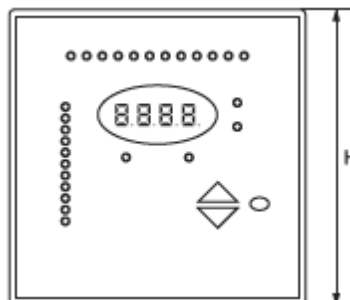
Technical data:

- Rated operating voltage: 230/400V
- Operating frequency: 45 – 65Hz
- Insulation voltage: 690V
- Surge voltage wear resistance: 6kV per minute
- Measurement range: from 0 to 9999kVAr
- Measurement accurateness:
 - voltage: $\pm 1.0\%$
 - current: $\pm 1.0\%$
 - capacity coefficient: $\pm 1.0\%$
 - reactive energy: $\pm 2.0\%$
- Operating temperature: $-10 \div +65^{\circ}\text{C}$
- Humidity: 30 – 60%
- Display: 4 digital
- Responsiveness: 20mA
- Outlet: 7A
- Number of outlets: 12 and 16
- Altitude: up to 2500m

Mounting:

- On the front panel of the box through cutting an opening

Dimensions and variants:



Type	Number of steps	Dimensions H (mm)	Packing / Box (pcs)	Catalogue number
HY-RPCF12	12	122x122	8	49120
HY-RPCF16	16	144x144	8	49160

Standards: EN 60947-1:2007

EN 60947-6-1:2005

