

EPCOS Product Brief 2012

Power Factor Correction

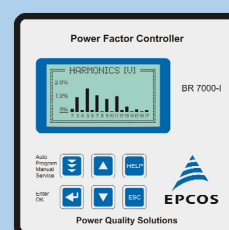
Power Factor Controller BR7000-I

The new PF controller BR7000-I enlarges the product range of power factor control devices by a useful combination of the features known from the well-proven series BR6000 with the advantages of a better visualization of the BR7000-series and offers additional innovative characteristics.

Features

- Intelligent control
- Menu-driven handling, plain language: CZ/DE/EN//ES/FR/NL/PL/PT/RU/TR
- Self-optimizing control capability
- Automatic initialization
- Test run possible
- Large voltage measuring range
- Recall function for recorded values
- Four-quadrant operation (e.g. standby generator)
- Powerful alarm output
- Second parameter set
- Control series editor
- Detailed expert modes
- Controlling of inductive compensation systems possible
- Large number of system parameters displayed:
 - System voltage (V AC)
 - Reactive power (kvar)
 - Active power (kW)
 - Frequency
 - Apparent power (kVA)
 - Apparent current (A)
 - Temperature (°C)
 - Real-time $\cos-\phi$
 - Target $\cos-\phi$
 - kvar value to target $\cos-\phi$
 - Harmonics (3rd ... 19th) V (%), I (%)
- Extended supply voltage 110 ... 230 V

PQS



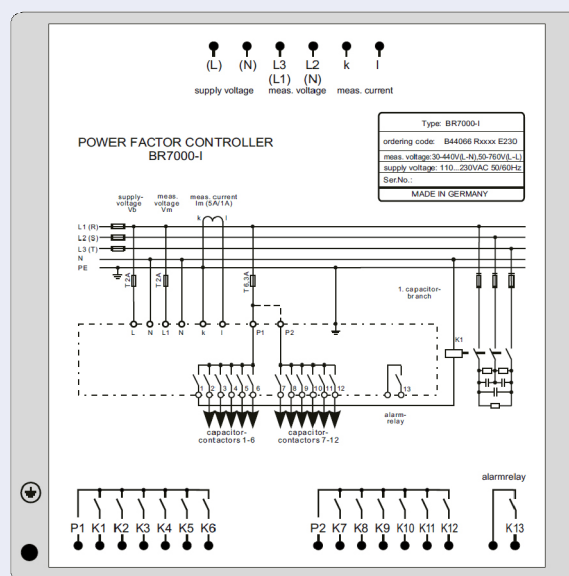
Power Factor Correction PF Controller BR7000-I



New additional features

- Large graphical display (128 x 64 dot) – like PF controller series BR7000
- HELP-button for context related help text
- ESCAPE-button allows backspace whilst navigating in the menus
- Always 12 resp. 13 outputs
- 3-digit display of the power factor ($\cos\phi$)/switchable display as $\tan\phi$
- Display-Mode
 - Simultaneous large display of 3 measuring values for additional usage as measuring and display device; the desired display values editable
 - Uneven harmonics measurable up to 33rd harmonic
 - Even harmonics measurable up to 16th harmonic
 - Graphical display of selected harmonics as bar graph
 - Message/alarm relay programmable with shutter or opener function
- Code number (Password) programmable by the customer

Connection diagram



Technical data	
Operating voltage	110 ... 230 V ~ +/- 15%, 50 and 60 Hz
Measuring voltage	30 ... 440 V ~ (L-N); 50 ... 760 V ~ (L-L); 50/60 Hz
Measuring current	X: 5 A / X: 1 A, selectable
Power consumption	< 5 VA
Sensitivity	50 mA/10 mA
Construction	Panel mounted instrument, DIN 43700, 144 x 144 x 55 mm, weight 1 kg
Ordering code	B44066R7012E230

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