



Product Brief 2011

Power Factor Correction

PF Controller BR6000 V5.0

The PF controller BR6000 V5.0 is the BR6000 V4.0 successor offering the following 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
- 13 steps possible with version /S
- Control series editor
- Detailed expert modes
- LCD display with blue background illumination
- 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 $\cos \varphi$
 - Target $\cos \varphi$
 - kvar value to target $\cos \varphi$
 - Harmonics (3rd ... 19th) V (%), I (%)
 - Extended supply voltage 110 ... 230 V AC, $\pm 15\%$
- Direct connection to 400 V AC (L-L), e.g. in grids without neutral – no additional adapter required

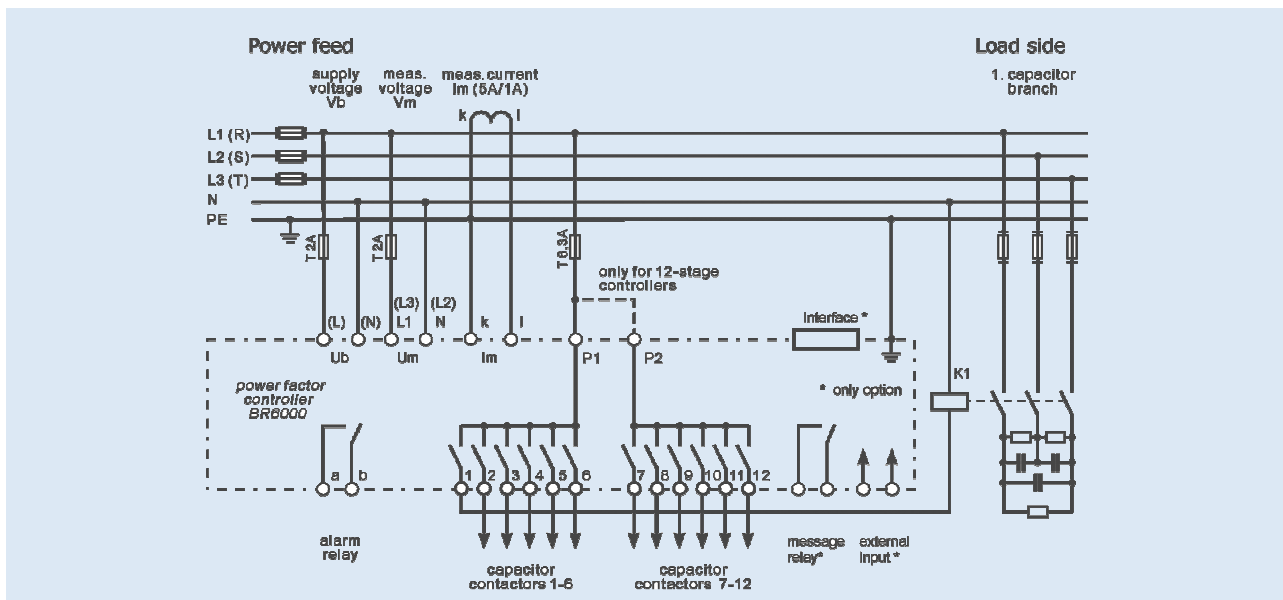
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PF Controller BR6000 V5.0

Software extensions and benefits

- External current measurement via MMI6000.
- An additional menu point in Expert Mode 1 allows a remote current measurement to be realized with the MMI6000 connected via the RS485 interface. This is a benefit in the event of long distances between the current transformer and PF controller, as current signals cannot normally be transferred over long lines.
- Extension of interface
The BR6000 with the optional RS485 interface has been extended by an additional RJ45 hardware port. This system interface enables accessories to be connected.
- Extended measuring voltage 30 ... 525 V AC (L-L / L-N)
- Compatible to updated BR-SOFT V5.0 for the Windows operating system:
 - Simultaneous connection of several BR6000/S485 with a PC
 - Comfortable visualization, display and recording of all grid parameters by using a PC
 - Further processing of recorded data (export as Excel file)
 - Graphical analysis and evaluation of data directly in the program
 - Read-out and editing, recording and read-in of all BR6000 parameters
 - Comfortable online operation of the BR6000 by PC
- The reference values for under- and overvoltage warning/disconnection can be freely programmed.



Ordering codes

| Type | Voltage 50/60Hz | Output Relay | Transistor | Alarm output | Switchover 2 nd parameter set | Inter- face *) | Ordering code |
|-------------------------------|--------------------|-----------------|------------|-----------------|---|-------------------|-----------------|
| BR6000-R06 | 110 ... 230 | 6 | – | Yes | No | No | B44066R6006E230 |
| BR6000-R12 | 110 ... 230 | 12 | – | Yes | No | No | B44066R6012E230 |
| BR6000-R12/S485 ^{†)} | 110 ... 230 | 12 | – | Yes | Yes | RS485 | B44066R6412E230 |

^{†)} Including BR-SOFT V5.0 for the Windows operating system

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