



Power Factor Control Relay BLR-CM



Microprocessor controlled power factor controller with 1-phase measurement system and display of measurement values

- Full-automatic c/k-value setting, self adapting (not possible for dynamic steps), connection of different capacitor step sizes possible
- Automatic detection and usage of the optimum capacitor step
- Manual mode possible
- Multiple connection types possible through adjustable phase compensation angle
- Capable for 4-quadrant operation
- Individually configurable discharging time allows quicker switching time
- 1-phase measurement system also suitable for non sinusoidal currents and voltages
- Graphical LCD for display of step status, measurement values and system data
- Measurement display for U, I, P, Q, S, THD U, THD I, ΔQ , F, T
- Harmonics measurement for voltage and current up to the 31. order
- Counter for active and reactive work
- Flexible alarm system with up to 15 alarms
- Programmable digital input and digital output
- Programmable alarm relay with voltfree c/o contact
- Supply voltage 115/230V, 45-65Hz, other voltages on request
- Voltage measuring 50 – 530V, 45 – 65Hz
- Current measuring 15mA – 5A, suitable for CT x/1A and x/5A
- Connection with pluggable screw terminals
- Instrument casing for cutout 144 x 144mm, depth 49mm
- Protection class IP20 (casing), IP50 (front)

Description	Type		
Power Factor Control Relay BLR-CM with 6 relay outputs integrating algorithm with adjustable integration interval (switching time delay)	CM 06R		
Power Factor Control Relay BLR-CM with 12 relay outputs integrating algorithm with adjustable integration interval (switching time delay)	CM 12R		
Power Factor Control Relay BLR-CM with 6 transistor outputs dynamic algorithm with reaction time < 0,2 msec after finishing measuring (1 periode)	CM 06T		
Power Factor Control Relay BLR-CM with 12 transistor outputs dynamic algorithm with reaction time < 0,2 msec after finishing measuring (1 periode)	CM 12T		
Power Factor Control Relay BLR-CM with 6 relay and 6 transistor outputs with two separate algorithm: -dynamic algorithm with reaction time < 0,2 msec after finishing measuring (1 periode) - integrating algorithm with adjustable integration interval (switching time delay)	CM 12RT		
Options			
Interface RS485 protocol Modbus RTU	- MB		
Version for MV and HV capacitor banks	- HV		
Accessories			
Connecting lead 1m with marked wires and plug-in terminal			
Additional price for each further meter			
Transparent cover with lock IP54	- VT		
Wall mounting bracket			

BELUK GMBH

Taubenstraße 1
86956 Schongau
Germany

Tel.: (+49) 8861 2332-0
Fax: (+49) 8861 2332-22
E-Mail: blr@beluk.de