FRAKO PQC

The reactive power control relay

The reactive power control relay for maximum operational reliability

Simple to install, easy to operate and automatic 'plug and play' start-up:

The FRAKO PQC offers the right characteristic control curve for every duty. It can be relied upon to control the switching in and out of the capacitor stages, automatically adjusting the capacitance of the power factor correction system to match momentary power demand. This intelligent reactive power control relay is an ideal instrument for control panel builders, electrical installers and electricians who want to reduce costs and minimize the risk of network disruptions.

Special features of the FRAKO PQC

- Optimum cos phi control with 5 programmable characteristic curves
- Quick, user-friendly operation via plain language display
- Simple installation and automatic commissioning plus correction if wrongly connected
- Speedy troubleshooting through integration into management systems via Modbus, TCP/IP
- Analysis of harmonics spectrum up to the 50th

Optimum performance assured

This reactive power control relay automatically ensures more active power in your network. Its software features five programmable characteristic control curves that produce the optimum power factor for your installation.

Its plain language display makes operation child's play, even when the system is running. In contrast to conventional reactive power control relays, the FRAKO PQC can also be integrated in management systems via various fieldbus protocols. This maximizes the operational reliability of your power factor correction system.

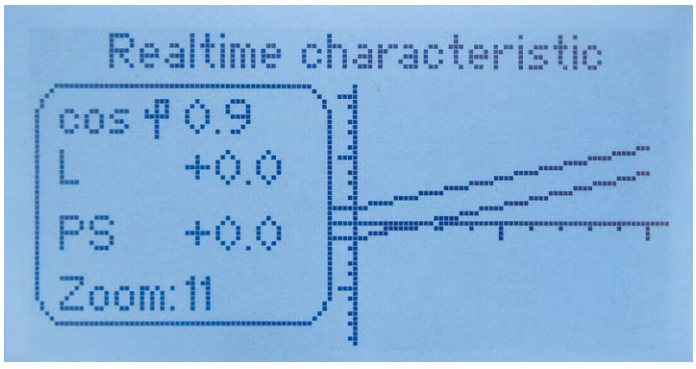
Control summary

Well under control – on every duty:

- 1- or 3-phase measurement of V and I
- Measurement range 100-690 V / 0-6 A
- V and I harmonics up to the 17th measured
- Automatic commissioning and correction if wrongly connected
- Automatic identification of the capacitance stages connected
- Any stage can be programmed as fixed
- 6 or 12 stages switchable (3 A, 440 V / 250 V)
- Alarm output, temperature probe input
- Temperature control
- Modbus, TCP/IP

Overview in plain language:

- Voltage
- Frequency
- Active, reactive and apparent power
- Momentary and target cos phi
- Capacitor current
- kvar still lacking, kvar per stage
- Analysis of harmonics spectrum (V/I) up to the 50th
- THD (V/I)
- Operating hours
- Switching cycles



Extension of live-view

Information and alarms:

- Corrective power still lacking
- Defective capacitor stages
- Max. number of switching cycles
- Operating hours
- Over-/Under-Voltage
- Over-/Under-Current
- Max. permissible harmonic levels
- Temperature

Please contact us if you have any questions or would like to know more about the possibilities offered by the FRAKO PQC.

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