

BO-03FH

Capacitor protection relay



BO-03FH three-phase protection relay is designed for protection of capacitor batteries of Ripple Control coupling filters up to 110 kV voltage level.

- Two protective levels: warning / tripping with independent time characteristics
- Action based on the measurement of 1st harmonic (50 Hz)
- Two modes of output relays: permanent and automated (1 s)
- Measurement at CT secondary
- Independent real-time clock
- Programming software
- Event log

Parameters:

Supply	85 - 264 V AC; 100 - 300 V DC
Rated Frequency	50 Hz
Consumption	max 10 VA
Rated Measured Current	1 A / 5 A
Continuous Input Overload	15 A
Short-term Input Overload	50 A / 1.0 s; 100 A / 0.1 s
Resistance of Current Input	max 0.1 Ω
Secondary Resolution	1 mA (input 1 A) / 3 mA (input 5 A)
Setting of Warning / Tripping	0.1 – 20 mA
Delay Setting	0.1 – 6.0 s
Communication Interface	RS232 (57 200 Bd)
Output Relay	3x tripping, 1x warning; 1x failure
Operational Temperature	-10 to +55 °C
IP Code	IP54
Weight	about 0.65 kg
Dimensions	144 x 144 x 120 mm (H x W x d)
EMC Tests	EN 61000

