

Power Factor Controller N-6 and N-12

Technical specifications

Number of steps	6 or 12
Dimensions	155 x 155 x 70 mm
Frequency	50 Hz nominal (range 48...52 Hz) 60 Hz nominal (range 58...62 Hz)
Measuring current	0...5 A
Measuring and supply voltages	110 V nominal (range 88...130 Vac) 230 V nominal (range 185...265 Vac) 400 V nominal (range 320...460 Vac)
Rated power	13 VA
Relay inputs/outputs	120 Vac/5A, 250 Vac/2A, 110 Vdc/0,3A, 60 Vdc/0,6A, 24 Vdc/2A
Display	LCD glass with 160 symbols, backlighted
Protection class	IP41 front panel, IP20 rear part
Target cos ϕ -range	0,85 ind...1,00...0,90 cap
Response limits, C/K	0,01...1,99 symmetrical
Reconnection delay	10...600 s
Response delay	20 % of reconnection delay, min. 10 s
Displayed measurements	cos ϕ , P, Q, S, THD(U), temperature
Installation method	Panel installation, DIN-rail installation
Casing	Impact resistant PC/ABS, UL94V-0
Operating temperature range	0...60°C
Alarm log	List of 5 last alarms
Step counters	Yes
Fan control with dedicated relay	Yes
Accuracy (of FS)	Is: 5% Iq: 5% U/I-samples: 5% Phase: 5° Distortion: ± 3 dB (up to 11th) Temperature: $\pm 3^\circ\text{C}$
CT setting range	25/5...6000/5
CT Burden	0,7 VA
Power outage detection	Reaction time > 15 ms
Approvals	IEC 61010-1 IEC 61000-6-2 IEC 61000-6-4 IEC 61326