

Product data sheet

Specifications



varmeter controller - Varlogic - NR6

52448

! Discontinued on: 31 December 2016

! Discontinued

Main

Range	VarPlus
Product name	VarLogic NR
Device short name	NR6
Product or component type	Power factor controller
User language	English Spanish Portuguese French German

Complementary

Number of step output contacts	6
[Us] rated supply voltage	110 V AC 50/60 Hz 220...240 V AC 50/60 Hz 380...415 V AC 50/60 Hz
Measurement current	0...5 A
Measurement voltage	110 V AC 50/60 Hz 220...240 V AC 50/60 Hz 380...415 V AC 50/60 Hz
Operating mode	Manual
Colour code	RAL 7016
Display type	Backlighted screen 65 x 21 mm
Type of measurement	Switching cycles and connected time counter Connected steps History of alarms Ambient temperature inside the cubicle Cos ϕ Network technical data : load and reactive currents, voltage, powers (S, P, Q) Total voltage harmonic distortion THD (U)
Type of alarms	Abnormal cos ϕ (< 0.5 ind or 0.8 cap) / Action: message and alarm contact High current ($> 115\%$) / Action: message Low current ($< 2.5\%$) / Action: message Overcurrent ($> 115\% I_1$) / Action: message and alarm contact Overtemperature ($\theta \geq \theta_0 - 15\text{ }^\circ\text{C}$) / Action: fan switch Overtemperature ($\theta \geq \theta_0$ ($\theta_0 = 50\text{ }^\circ\text{C}$ maximum)) / Action: message and alarm contact Overvoltage ($> 110\% U_0$) / Action: message and alarm contact Total harmonic distortion ($> 7\%$) / Action: message and alarm contact Voltage low ($< 80\% U_0$ within 1 s) / Action: message and alarm contact Hunting (unstable regulation) / Action: message and alarm contact Low power factor / Action: message and alarm contact Overcompensation / Action: message and alarm contact
Input type	Insensitive to CT polarity Insensitive to phase rotation polarity

Current input CT...X/5 A
Phase to phase
Phase to neutral

Output type
Free outputs contacts current: 1 A 400 V AC 50/60 Hz
Free outputs contacts current: 2 A 250 V AC 50/60 Hz
Free outputs contacts current: 5 A 120 V AC 50/60 Hz
Free outputs contacts current: 0.3 A 110 V DC
Free outputs contacts current: 0.6 A 60 V DC
Free outputs contacts current: 2 A 24 V DC

Settings operating mode
Automatic
Manual

Type of setting
Choice of stepping programs: circular
Choice of stepping programs: linear
Choice of stepping programs: normal
Choice of stepping programs: optimal
Delay between 2 successive switch on the same step: 10...600 s
Target cos phi: 0.85 inductive...0.9 capacitive
Step configuration programming

Measurement accuracy +/- 5 %

Time delay range
10...120 s
10...600 s (on reconnection)

Step sequences
1.2.4.8.8.8
1.1.1.1.1.1.1
1.2.3.4.4.4
1.1.2.3.3.3
1.1.2.2.2.2
1.2.2.2.2.2
1.2.3.3.3.3
1.2.4.4.4.4

Mounting location
In cabinet
Panel

Mounting support 35 mm DIN rail conforming to EN 50022

Height 150 mm

Width 150 mm

Depth 70 mm

Net weight 1 kg

Environment

Standards
IEC 61010-1
EN 61010-1
IEC 61326

IP degree of protection
Front face: IP41
Rear face: IP20

Ambient air temperature for operation 0...60 °C

Ambient air temperature for storage -20...60 °C

Climatic withstand Ambient air temperature for storage: - 20...60 °C

Packing Units

Package 1 Weight 1.174 kg

Package 1 Height 0.950 dm

Package 1 Width 2.300 dm

Package 1 Length 1.950 dm

Contractual warranty

Warranty 18 months

Recommended replacement(s)

52448 is replaced by:

1x



Power Factor controller, PowerLogic PFC Controller, VPL 6
VPL06N