

Product data sheet

Specifications



varmeter controller - Varlogic - NR12

52449

! Discontinued on: 31 December 2016

! Discontinued

Main

Range	VarPlus
Product name	VarLogic NR
Device short name	NR12
Product or component type	Power factor controller
User language	French Portuguese German Spanish English

Complementary

Number of step output contacts	12
[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 History of alarms Cos φ Connected steps Total voltage harmonic distortion THD (U) Network technical data : load and reactive currents, voltage, powers (S, P, Q) Ambient temperature inside the cubicle
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 Current input CT...X/5 A

Phase to neutral
Phase to phase
Insensitive to phase rotation polarity

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
Manual
Automatic

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
1.2.2.2.2.2
1.1.2.3.3.3
1.2.4.4.4.4
1.2.4.8.8.8
1.2.3.3.3.3
1.1.2.2.2.2
1.1.1.1.1.1
1.2.3.4.4.4

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
IEC 61326
EN 61010-1

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 1.190 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)

52449 is replaced by:

1x



Power Factor controller, PowerLogic PFC Controller, VPL 12
VPL12N