



has not been replaced. Please contact your customer care center for more information.

ⓘ Discontinued

Main

Range	VarPlus
Range of product	Varlogic N
Product name	VarLogic NR
Device short name	NR12
Product or component type	Power factor controller
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 % I1) / 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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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

Contractual warranty

Warranty	18 months
----------	-----------