



ⓘ Discontinued

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

Main

Range	VarPlus
Range of product	Varlogic N
Product name	VarLogic NR
Device short name	NR6
Product or component type	Power factor controller
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 % 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 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 1.2.3.4.4.4 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

Contractual warranty

Warranty	18 months
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