



Main

Range	VarPlus
Range of product	Varlogic N
Product name	VarLogic NR
Device short name	NR6
Product or component type	Power factor controller
Language	Spanish German French English Portuguese

Complementary

Number of step output contacts	6
[Us] rated supply voltage	380...415 V AC 50/60 Hz 220...240 V AC 50/60 Hz 110 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	Cos ϕ Switching cycles and connected time counter Ambient temperature inside the cubicle Network technical data : load and reactive currents, voltage, powers (S, P, Q) Connected steps History of alarms Total voltage harmonic distortion THD (U)
Type of alarms	Hunting (unstable regulation) / Action: message and alarm contact Low power factor / Action: message and alarm contact Overcompensation / Action: message and alarm contact Total harmonic distortion (> 7 %) / Action: message and alarm contact

Low current (< 2.5 %) / Action: message
 High current (> 115 %) / Action: message
 Overcurrent (> 115 % I₁) / Action: message and alarm contact
 Voltage low (< 80 % U₀ within 1 s) / Action: message and alarm contact
 Overvoltage (> 110 % U₀) / Action: message and alarm contact
 Abnormal cos φ (< 0.5 ind or 0.8 cap) / Action: message and alarm contact
 Overtemperature (θ ≥ θ₀ (θ₀ = 50 °C maximum)) / Action: message and alarm contact
 Overtemperature (θ ≥ θ₀ - 15 °C) / Action: fan switch

Input type	Insensitive to phase rotation polarity Phase to neutral Current input CT...X/5 A Insensitive to CT polarity Phase to phase
Output type	Free outputs contacts current : 0.3 A 110 V DC Free outputs contacts current : 0.6 A 60 V DC Free outputs contacts current : 1 A 400 V AC 50/60 Hz Free outputs contacts current : 2 A 24 V DC Free outputs contacts current : 2 A 250 V AC 50/60 Hz Free outputs contacts current : 5 A 120 V AC 50/60 Hz
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 1.2.3.3.3.3 1.1.2.2.2.2 1.1.1.1.1.1 1.2.3.4.4.4 1.2.2.2.2.2 1.2.4.4.4.4 1.1.2.3.3.3
Mounting location	Panel In cabinet
Mounting support	35 mm DIN rail conforming to EN 50022
Height	150 mm
Width	150 mm
Depth	70 mm
Product weight	1 kg

Environment

Standards	IEC 61326 EN 61010-1 IEC 61010-1
IP degree of protection	Rear face : IP20 Front face : IP41
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 period	18 months
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