

Product datasheet

Specifications



varmeter controller - Varlogic - NRC12

52450

⚠ Discontinued on: 31 Dec 2016

⚠ Discontinued

Main

Range	VarPlus
Product Name	VarLogic NR
Device Short Name	NRC12
Product Or Component Type	Power factor controller
User Language	English French Spanish Portuguese German

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 690 V AC 50/60 Hz
Operating Mode	Manual
Number Of Quadrant Operation For Generator Application	4
Device Connection	Communication protocol: Modbus interface: RS485 Temperature external probe
Colour Code	RAL 7016
Display Type	Backlighted graphic screen 55 x 28 mm
Type Of Measurement	Total current harmonic distortion THD (I) History of alarms Ambient temperature inside the cubicle Network technical data : load and reactive currents, voltage, powers (S, P, Q) Voltage and current harmonic spectrum (orders 3, 5, 7, 11, 13) Connected steps Switching cycles and connected time counter Cos ϕ Step configuration (fixed step, auto, disconnected) Capacitor current overload Irms/I1 Step output status (capacitance loss monitoring) Total voltage harmonic distortion THD (U)

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

Type Of Alarms	<p>Abnormal cos φ (< 0.5 ind or 0.8 cap) / Action: message and alarm contact</p> <p>Capacitor capacitance loss (-25 %) / Action: message and alarm contact</p> <p>Capacitor current overload (I_{rms}/I₁) (> 1.5) / Action: message and alarm contact</p> <p>High current (> 115 %) / Action: message</p> <p>Low current (< 2.5 %) / Action: message</p> <p>Overcurrent (> 115 % I₁) / Action: message and alarm contact</p> <p>Overtemperature ($\theta \geq \theta_0 - 15$ °C) / Action: fan switch</p> <p>Overtemperature ($\theta \geq \theta_0$ ($\theta_0 = 50$ °C maximum)) / Action: message and alarm contact</p> <p>Overvoltage (> 110 % U₀) / Action: message and alarm contact</p> <p>Total harmonic distortion (> 7 %) / Action: message and alarm contact</p> <p>Under voltage (5 % x U₀) / Action: message</p> <p>Voltage low (< 80 % U₀ within 1 s) / Action: message and alarm contact</p> <p>Hunting (unstable regulation) / Action: message and alarm contact</p> <p>Low power factor / Action: message and alarm contact</p> <p>Overcompensation / Action: message and alarm contact</p>
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Input Type	<p>Insensitive to CT polarity</p> <p>Phase to neutral</p> <p>Insensitive to phase rotation polarity</p> <p>Current input CT...X/5 A and X/1 A</p> <p>Phase to phase</p>
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Output Type	<p>Free outputs contacts current: 1 A 400 V AC 50/60 Hz</p> <p>Free outputs contacts current: 2 A 250 V AC 50/60 Hz</p> <p>Free outputs contacts current: 5 A 120 V AC 50/60 Hz</p> <p>Free outputs contacts current: 0.3 A 110 V DC</p> <p>Free outputs contacts current: 0.6 A 60 V DC</p> <p>Free outputs contacts current: 2 A 24 V DC</p>
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Settings Operating Mode	<p>Automatic</p> <p>Manual</p>
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Type Of Setting	<p>Choice of stepping programs: circular</p> <p>Choice of stepping programs: linear</p> <p>Choice of stepping programs: normal</p> <p>Choice of stepping programs: optimal</p> <p>Delay between 2 successive switch on the same step: 10...900 s</p> <p>Step configuration programming: auto</p> <p>Step configuration programming: disconnected</p> <p>Step configuration programming: fixed</p> <p>Target cos phi: 0.85 inductive...0.9 capacitive</p> <p>Target cos phi: dual cos φ</p>
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Measurement Accuracy	+/- 2 %
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Time Delay Range	<p>10...180 s</p> <p>10...900 s (on reconnection)</p>
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Step Sequences	Personalized
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Mounting Location	<p>In cabinet</p> <p>Panel</p>
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Mounting Support	35 mm DIN rail conforming to EN 50022
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Height	150 mm
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Width	150 mm
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Depth	80 mm
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Net Weight	1 kg
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Environment

Standards	<p>IEC 61326</p> <p>IEC 61010-1</p> <p>EN 61010-1</p>
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Ip Degree Of Protection	<p>Front face: IP41</p> <p>Rear face: IP20</p>
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Ambient Air Temperature For Operation	0...60 °C
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Ambient Air Temperature For Storage	-20...60 °C
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Climatic Withstand	Ambient air temperature for storage: - 20...60 °C
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Contractual warranty

Warranty

18 months