



Auxiliary supply

Rated auxiliary supply voltage U_s
AC

	min	VAC	380
	Max	VAC	415
Auxiliary operating range			0.85...1.1 U_s
Auxiliary rated frequency		Hz	50/60 $\pm 5\%$
Power consumption Max		VA	4.4
Power dissipation Max		W	2.4
Immunity time for microbreakings		ms	≤ 17

Voltage inputs

Rated voltage (U_e)		VAC	480VAC (rated max)
Operating range			80...528VAC
Frequency range		Hz	50 or 60Hz $\pm 1\%$ self configurable
Type of measure			True RMS value
No-voltage release		ms	≥ 8
Measurement input impedance		k Ω	$> 1M\Omega$
Type of connection			L1-L2 or L-N

Current inputs

Number of current input		Nr.	1
Type of input			Shunt supplied by external current transformer (low voltage). Max 5A
Measurement range			0.1...6A~
Measurement method			True RMS value
Constant overload		I_e	1.2 I_e
Overload peak		A	10 I_n for 1s
Dynamic peak		A	160A for 10ms
Burden per phase		W	$\leq 0.6W$

Adjustments

C/K step 1 and 2			OFF / 0.15...2
Connection / Disconnection delay		s	1...60s
System configuration			3-phase - 1-phase

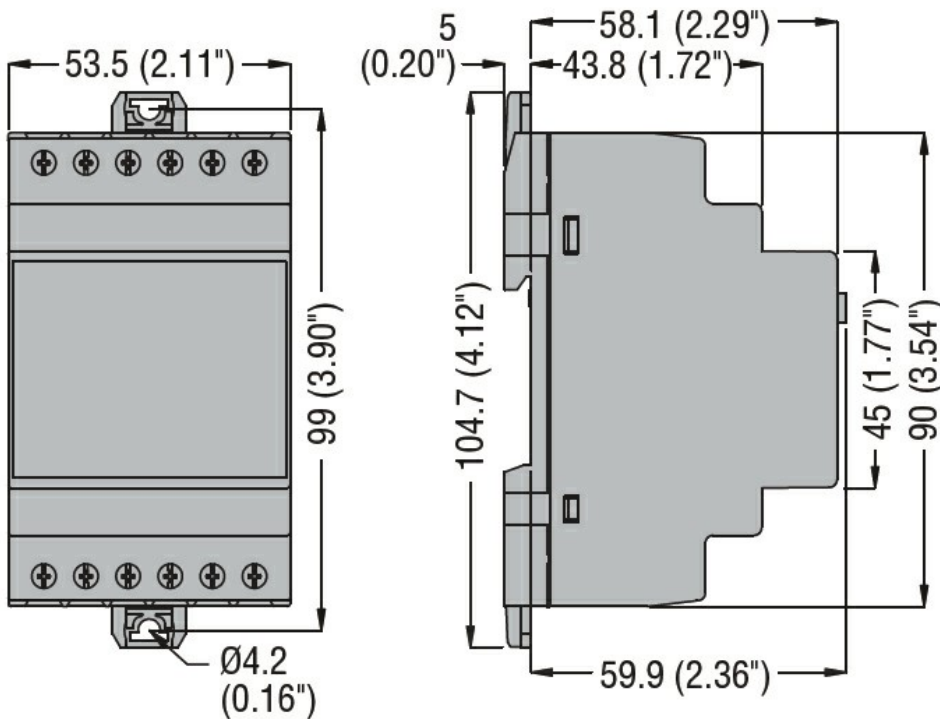
Measurement data

Type of voltage and current measurement			True RMS value
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Relay outputs

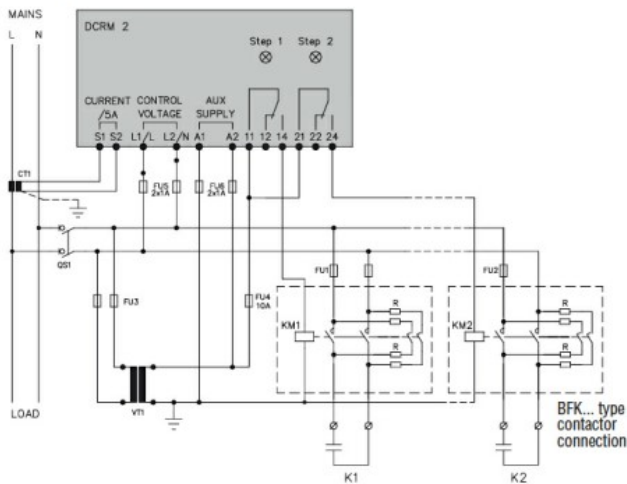
Number of relay output		Nr.	2
Contact arrangement			2 x 1 C/O-SPDT
Rated current			8A 250VAC AC1
UL/CSA and IEC/EN 60947-5-1 designation			B300
Maximum switching voltage		VAC	400

Electrical life (with rated load)		cycles	10 ⁵
Mechanical life		cycles	30 x 10 ⁶
Insulations			
Rated insulation voltage Ui IEC/EN		V	480
Rated impulse withstand voltage Uimp		kV	6
Operating frequency withstand voltage		kV	2.5
Connections			
Type of terminal			Screw, fixed
Conductor cross section			
	min	mm ²	0.2
	Max	mm ²	4
	min	AWG	24AWG (18AWG according to UL/CSA)
	Max	AWG	12
Tightening torque (Max)			
		Nm	0.8
		lbin	7 (7-9 according to UL/CSA)
Ambient conditions			
Temperature			
	Operating temperature		
		min	°C -20
		max	°C +60
	Storage temperature		
		min	°C -30
		max	°C +80
Relative humidity		%	<80%
Maximum Pollution degree			2
Overvoltage category			3
Measurement category			III
Max altitude		m	2000
Climatic sequence			Z/ABDM (IEC/EN 60068-2-61)
Shock resistance			15g (IEC/EN 60068-2-27)
Vibration resistance			0.7g (IEC/EN 60068-2-6)
Housing			
Execution			Modular, 3 modules (DIN 43880)
Material			Polyamide
Mounting			On 35mm DIN rail (IEC/EN 60715) or by screws using extractible clips
Degree of protection			IP40 on front, IP20 at terminals
Dimensions (W x H x D)		mm	53.5 x 104.7 x 64.9
Weight		g	284
Dimensions			

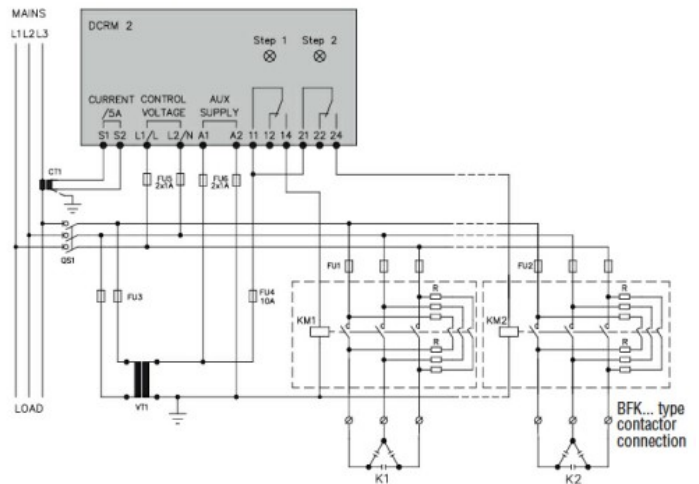


Wiring diagrams

Single-phase connection



Three-phase connection



Certifications and compliance

Compliance

CSA C22.2 n°14
IEC/EN 60255-5
IEC/EN 61000-6-2
IEC/EN 61000-6-3
IEC/EN 61010-1
UL 508

Certificates

cULus
EAC

ETIM classification

ETIM 8.0

EC001440 -
Current
monitoring relay