



Reactive current  
control relay  
DCRM2

Product designation

Product type designation

### 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	$\leq 17$

### 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	$\geq 8$
Measurement input impedance	k $\Omega$	$> 1M\Omega$
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 <sub>e</sub>	1.2 I <sub>e</sub>
Overload peak	A	10I <sub>n</sub> 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
Connectin / 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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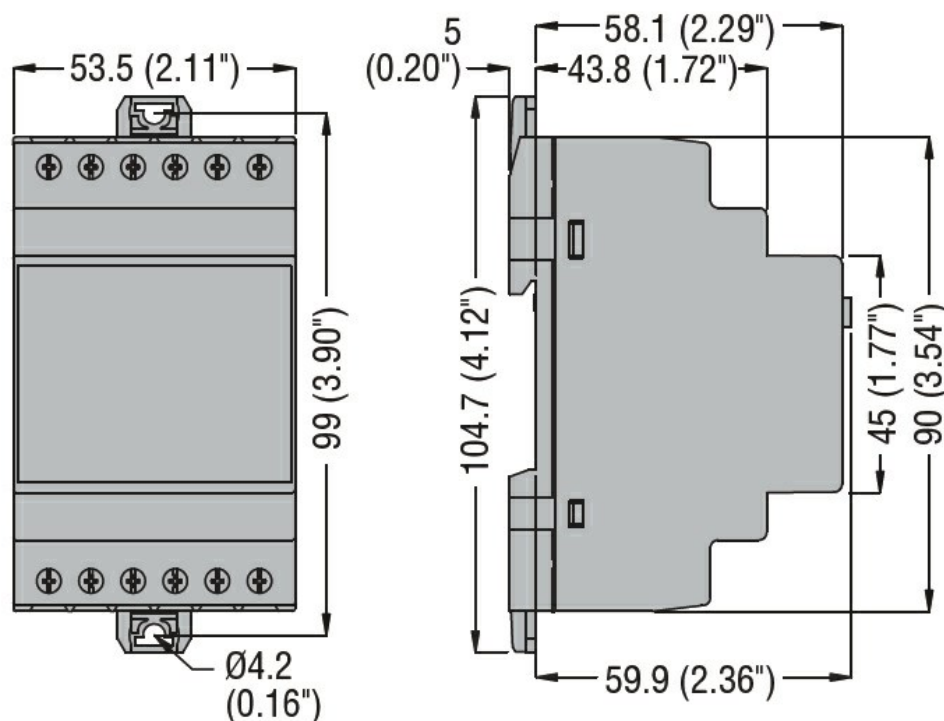
### Relay outputs

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 <sup>5</sup>	
Mechanical life			cycles	30 x 10 <sup>6</sup>	
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 <sup>2</sup>	0.2
			Max	mm <sup>2</sup>	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		

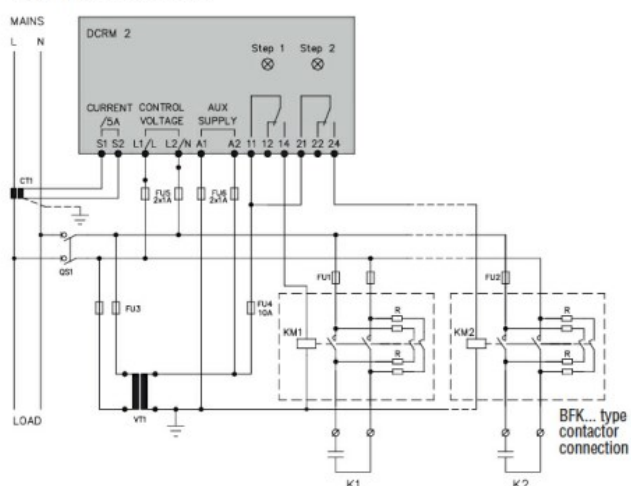
Dimensions (W x H x D)	mm	53.5 x 104.7 x 64.9
Weight	g	284

### Dimensions

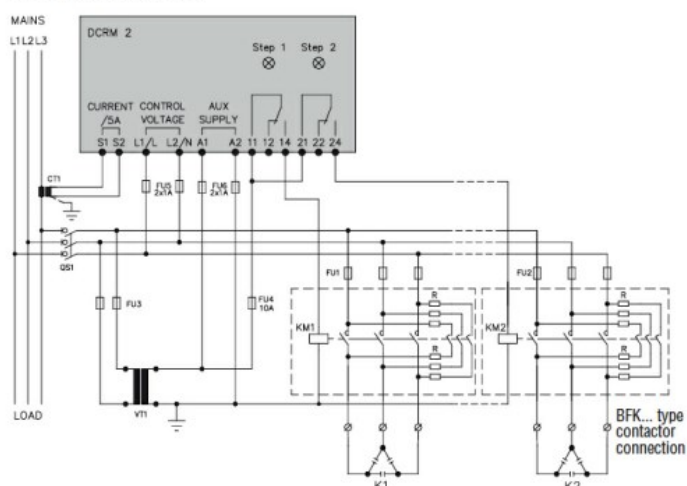


### Wiring diagrams

#### 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