



Product designation Product type designation			Automatic power factor controller, 3 steps, icon display DCRL3
Auxiliary supply			
Rated auxiliary supply voltage Us			
AC			
	min	VAC	100
	Max	VAC	440
DC			
	min	VDC	110
	Max	VDC	250
Auxiliary operating range			90484VAC /
			93.5300VDC
Auxiliary rated frequency		Hz	50/60 ±10%
Power consumption Max		VA	9.5
Power dissipation Max		W	3.5
Immunity time for microbreakings		ms	<25
Voltage inputs			0001/401
Rated voltage (Ue)		VAC	600VAC L-L (rated max)
Operating range			50720VAC L-L (415VAC L-N)
Frequency range		Hz	4565
Type of measure			True RMS value
No-voltage release		ms	≥8
Measurement input impedance		kO	>1.10MΩ L-L, >0.55MΩ L-N
Type of connection			Single phase, two phase, three phase with or without neutral or balanced three phase system
Current inputs		N I.e	4
Number of current input		Nr.	Charat amarika d
Type of input			Shunt supplied by external current transformer (low voltage). Max 5A
Measurement range			0.0256A~ for 5A scale; 0.0251.2A~ for 1A scale
Measurement method			True RMS value



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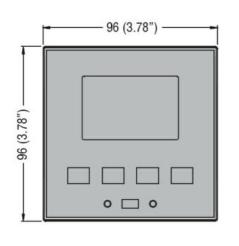
Occupations of the contract of		1-	4.0.1-
Constant overload		le	1.2 le
Overload peak		Α	50A for 1s
Burden per phase		W	<0.6VA
Measurement data			To a DMO all a
Type of voltage and current measurement			True RMS value
Power factor adjustment			0.5ind0.5cap.
Type of temperature sensor			Internal
Temperature measurement range		°C	0+212
Relay outputs			
			3 (up to 6 with
Number of relay output		Nr.	EXP10 06 -
			EXP10 07)
Contact arrangement			2 NO-SPST + 1
			C/O-SPDT
Rated current			5A 250V AC1
UL/CSA and IEC/EN 60947-5-1 designation			B300
Maximum current at common contact terminal		Α	10
Maximum switching voltage		VAC	415
Electrical life (with rated load)		cycles	10⁵
Mechanical life		cycles	10 ⁷
Insulations			
Rated insulation voltage Ui IEC/EN		V	600
Rated impulse withstand voltage Uimp		kV	9.5
Operating frequency withstand voltage		kV	5.2
Connections			
Type of terminal			Plug-in,
			removable
Conductor cross section			
	min	mm²	0.2
	Max	mm²	2.5
	_		24AWG (18AWG
	min	AWG	according to
		414/0	UL/CSA)
	Max	AWG	12
Tightening torque (Max)			
		Nm	0.56
		lbin	5 (4-5 according
Ambient and ditions			to UL/CSA)
Ambient conditions			
Temperature On a rational temperature			
Operating temperature	!	°C	20
	min	°C	-20
Otana wa tanan anatuna	max	°C	+60
Storage temperature		۰۵	00
	min	°C	-30
D. L. C. L. 199	max	°C	+80
Relative humidity		%	<80%
Maximum Pollution degree			2
Overvoltage category			3
Measurement category			III
Climatic sequence			Z/ABDM (IEC/EN
Climatic sequence			60068-2-61)
Climatic sequence Shock resistance			

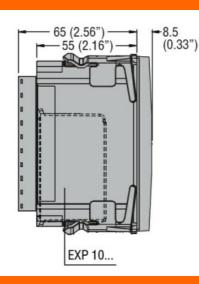


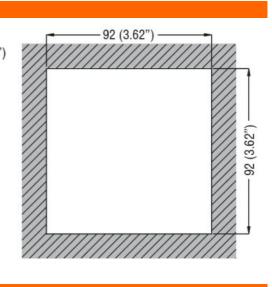
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Vibration resistance		0.7g (IEC/EN 60068-2-6)
Housing		
Execution		Flush mount
Material		Polycarbonate
		Flush-mount
Mounting		96x96mm
Degree of protection		(3.78x3.78")
		IP54 on front with
		gasket, if
		mounted in class
		IP54 panel or
		better. IP20
		terminals
Dimensions (W x H x D)	mm	96 x 96 x 73.5
Weight	g	340

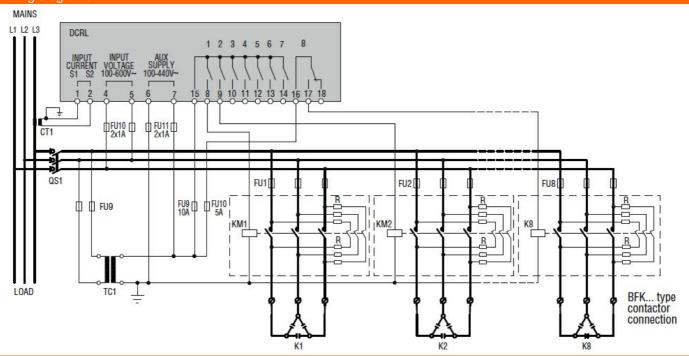
Dimensions







Wiring diagrams



Certifications and compliance





ENERGY AND AUTOMATION

AUTOMATIC POWER FACTOR CONTROLLER, DCRL SERIES, 3 STEPS

Compliance

Certificates

CSA C22.2 n°14

IEC/EN 61000-6-2

IEC/EN 61000-6-4

IEC/EN 61010-1

IEC/EN 61010-2-030

UL 508

CULus

EAC

RCM

ETIM classification

ETIM 8.0

EC001443 -Effective power (cos phi) monitoring relay