





	Automatic power
Product designation	factor controller,
	8 steps, icon
	display
Product type designation	DCRL8

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Auxiliary supply			
Rated auxiliary supply voltage Us			
AC			
	min	VAC	100
		VAC	440
DC			
	min '	VDC	110
	Max '	VDC	250
A swilliams an austin a van au			90484VAC /
Auxiliary operating range			93.5300VDC
Auxiliary rated frequency		Hz	50/60 ±10%
Power consumption Max		VA	8.5
Power dissipation Max		W	3
Immunity time for microbreakings		ms	<25
Voltage inputs			
Rated voltage (Ue)	,	VAC	600VAC L-L
Traied voilage (Ge)		ν λ Ο	(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		kΩ	>15MΩ
			Single phase, two
			phase, three
Type of connection			phase with or
71			without neutral or balanced three
			phase system
Current inputs			pridoc cyclom
Number of current input		Nr.	1
			Shunt supplied
			by external
Type of input			current
			transformer (low
			voltage). Max 5A
			0.0256A~ for
Measurement range			5A scale;
- · · · · · · · · · · · · · · · · · · ·			0.0251.2A~ for
Management months of			1A scale
Measurement method			True RMS value
Constant overload		le	1.2 le



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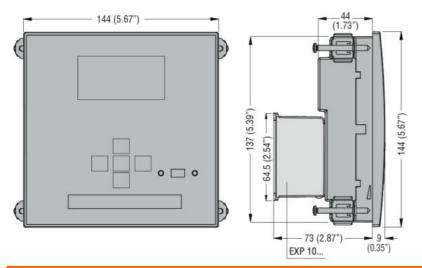
Overload peak		Α	50A for 1s
Burden per phase		W	<0.6VA
Measurement data			1010171
Type of voltage and current measurement			True RMS value
Power factor adjustment			0.5ind0.5cap.
Type of temperature sensor			Internal
Temperature measurement range		°C	0+212
Relay outputs		U	01212
relay outputs			8 (up to 14 with
Number of relay output		Nr.	EXP10 06 -
Trained of foldy output			EXP10 07)
			7 NO-SPST + 1
Contact arrangement			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	10 ⁵
Mechanical life		cycles	107
Insulations		O y O l O O	10
Rated insulation voltage Ui IEC/EN		V	600
Rated impulse withstand voltage Uimp		kV	9.5
Operating frequency withstand voltage		kV	5.2
Connections		IX V	5.2
			Plug-in,
Type of terminal			removable
Conductor cross section			
	min	mm²	0.2
	Max	mm²	2.5
			24AWG (18AWG
	min	AWG	according to
			UL/CSA)
	Max	AWG	12
Tightening torque (Max)			
		Nm	0.56
		lbin	5
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
			Z/ABDM (IEC/EN
Climatic sequence			60068-2-61)
Shock reciptance			15g (IEC/EN
Shock resistance			60068-2-27)
			00000 2 21)
Vibration resistance			0.7g (IEC/EN
Vibration resistance			

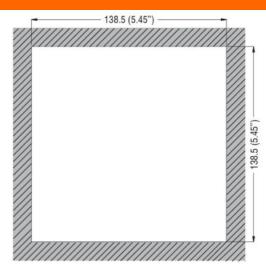


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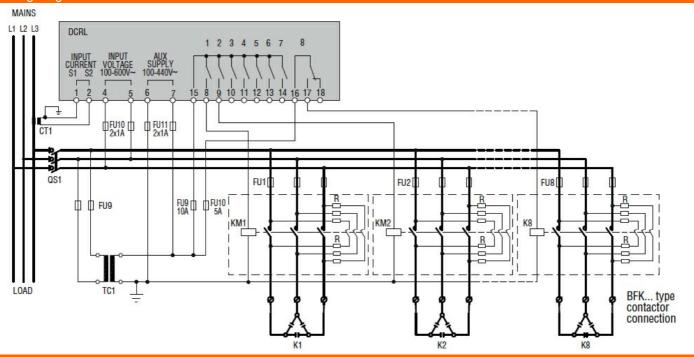
Housing		
Execution		Flush mount
Material		Polycarbonate
Mounting		Flush-mount
		144x144mm
		(5.67x5.67")
		IP65 on front with
		gasket, if
Degree of protection		mounted in class
Degree of protection		IP65 panel or
		better. IP20
		terminals
Dimensions (W x H x D)	mm	144 x 144 x 53.2
Weight	g	640
Dimonsions		

Dimensions





Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2-N°14





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AUTOMATIC POWER FACTOR CONTROLLER, DCRL SERIES, 8 STEPS

	IEC/EN 61000-6-2
	IEC/EN 61000-6-3
	IEC/EN 61010-1
	IEC/EN 61010-2-030
	UL508
Certificates	
	cULus
	EAC
	RCM
ETIM classification	

ETIM classification

ETIM 8.0

EC001443 -Effective power (cos phi) monitoring relay