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2					
			14		
		-	-		
	12				2

Product designation			Thyristor
-			modules
Product type designation			DCTL
General characteristics			
Rated voltage		V	400480
Operating voltage range			340528
Rated frequency		Hz	50/60
Operating frequency range		Hz	4565
Rated current (Ie)		А	43
Step power at			
	400VAC	kvar	36
	440VAC	kvar	33
	480VAC	kvar	36
Peak inverse voltage (PIV)		VAC	2200
Number of controlled phases		Nr.	2
Control circuit			12-24VDC input or free-voltage input or via RS485 serial port (with optional card EXC1042 in combination with controller DCRG8F + EXP1012)
Auxiliary supply			
Rated auxiliary supply voltage Us			
AC			
	min	VAC	100
	Max	VAC	240
Auxiliary rated frequency		Hz	50/60
Power consumption Max		VA	11.8
Power dissipation Max		W	4.6
Control input			
Terminals			CONTROL +/-
Rated voltage			12-24VDC
Operating range			830VDC
Digital inputs			
Terminals			C-IN1
Applied voltage at contact (internal)			5VDC
Input current		mA	≤10
Low input signal		VDC	≤0.8
High input signal		VDC	≥3.2
Input signal delay		ms	≥50
NTC probe input			

DCTLA4800360 The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

NTC-NTC



Sensor type			NTC (ordering code NTC01)
Measuring range		°C	-25+85
Maximum connection lenght		mt	3
Fan power supply			0
Terminals			FAN +/-
			5VDC (provided
Supply voltage (internal)			by DCTL)
Fan type			1 built-in fan type EXP8004
Relay outputs			
Number of relay output		Nr.	1
Contact arrangement			1 C/O-SPDT
Rated current			NO contact: AC1 5A 250VAC / 5A 30VDC NC contact: AC1 3A 250VAC / 3A
			30VDC
UL/CSA and IEC/EN 60947-5-1 designation			D300
Maximum switching voltage		/AC	250
Electrical life (with rated load)	Cj	/cles	NO contact: 10x10 <sup>3</sup> NC contact: 20x10 <sup>3</sup>
Mechanical life	C)	/cles	107
Insulations		0.00	
Rated insulation voltage Ui IEC/EN		V	480
Rated impulse withstand voltage Uimp		kV	4
Connections - power terminals			
Type of terminal			Fixed - double lock clamp
Conductor cross section			
	min r	nm²	2 x 2.5
	Max r	nm²	2 x 35
		WG	2 x 18
	Max A	WG	2 x 2
Tightening torque (Max)			
		Nm	4-5
	Idi	n/lbft	2.95-3.69 lbft
Connections - relay output			Corrow
Type of terminal Conductor cross section			Screw
Conductor cross section	min	nm²	0.2
	min r	nm²	0.2
	Mov r	nm²	1
		nm²	4
	min A	WG	26
Tightening torque (Max)	min A		
Tightening torque (Max)	min A Max A	WG WG	26 10
Tightening torque (Max)	min A Max A	WG	26
Tightening torque (Max) Connections - fan and digital input	min A Max A	WG WG Nm	26 10 0.8
	min A Max A	WG WG Nm	26 10 0.8
Connections - fan and digital input	min A Max A	WG WG Nm	26 10 0.8 7
Connections - fan and digital input Type of terminal	min A Max A	WG WG Nm	26 10 0.8 7

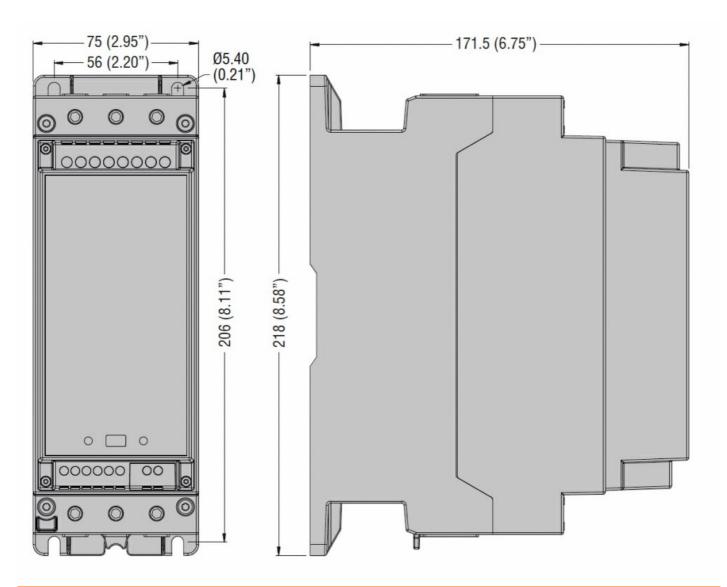


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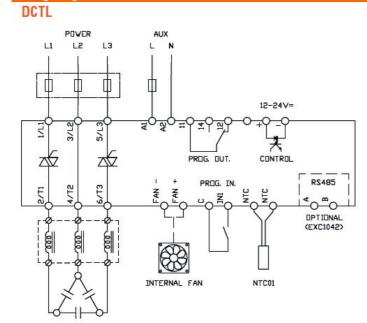
晶闸管, 36KVAR/400VAC, 额定工作电压400VAC, 带电流检测

	min Max	AWG AWG	24 12
Tightening torque (Max)			
		Nm	0.44
		lbin	4
Ambient conditions			
Temperature			
Operating temperature			
	min	°C	-20 +45°C without
			derating (up to
	max	°C	55°C with
			derating)
Storage temperature			0,
	min	°C	-30
	max	°C	+80
Relative humidity		%	<80%
Maximum Pollution degree			2
Overvoltage category			
Max altitude		m	2000m wihtout derating
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			Internal panel version
Material			Polycarbonate
Mounting			Screw fixing or DIN-rail (IEC/EN 60715) with
Mounting			optional accessory EXP8003
Degree of protection			IP00
Dimensions (W x H x D)		mm	75 x 218 x 171.5
Weight		g	1740
Dimensions			





Wiring diagrams



## Certifications and compliance Compliance



	IEC/EN 60947-4-3	
	IEC/EN 61000-6-2	
	IEC/EN 61000-6-4	
Certificates		
	cULus	
ETIM classification		
ETIM 8.0		EC002055 -

Solid state relay