



			2
Product designation			Thyristor
-			modules
Product type designation			DCTL
General characteristics		V	400
Rated voltage		V	400 340440
Operating voltage range Rated frequency		Hz	50/60
Operating frequency range		Hz	4565
Rated current (le)		A	22
Step power at			22
• •	00VAC	kvar	15
Peak inverse voltage (PIV)	00 170	VAC	1800
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			CONTROL
Terminals Peted values			CONTROL +/- 12-24VDC
Rated voltage			
Operating range			830VDC
Digital inputs Terminals			C-IN1
Applied voltage at contact (internal)			5VDC
		mA	≤10
Input current Low input signal		VDC	≤10 ≤0.8
High input signal		VDC	≥3.2
Input signal delay			≥50
NTC probe input		ms	≥50
Terminals			NTC-NTC
			NTC (ordering
Sensor type			code NTC01)

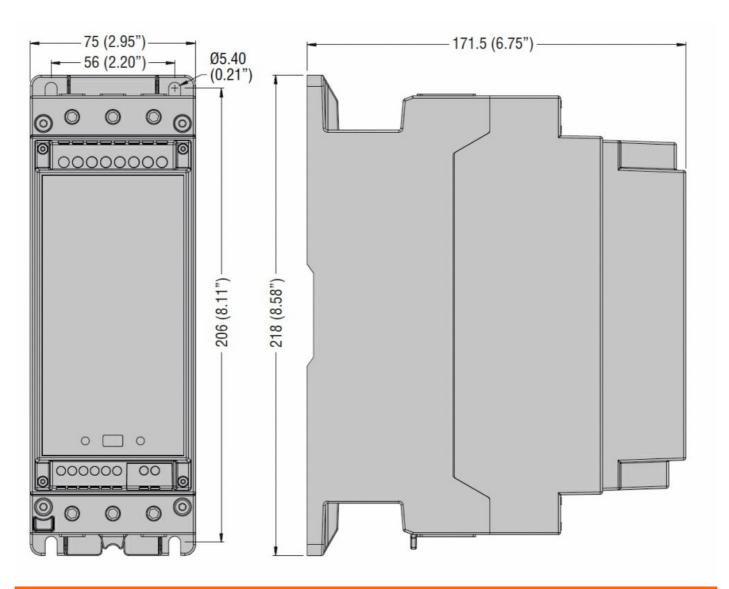


Managuria a rapara		°C	OF 10F
Measuring range Maximum connection lenght			-25+85 3
Fan power supply		mt	ა
Terminals			FAN +/-
Terrillias			5VDC (provided
Supply voltage (internal)			by DCTL)
Fan type			1 built-in fan type EXP8004
Relay outputs			
Number of relay output		Nr.	1
Contact arrangement			1 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		VAC	250
Electrical life (with rated load)		cycles	NO contact: 10x10³ NC contact: 20x10³
Mechanical life		cycles	10 ⁷
Insulations			
Rated insulation voltage Ui IEC/EN		V	480
Rated impulse withstand voltage Uimp Connections - power terminals		kV	4
Type of terminal			Fixed - double lock clamp
Conductor cross section			
	min	mm²	2 x 2.5
	Max	mm²	2 x 35
	min	AWG	2 x 18
	Max	AWG	2 x 2
Tightening torque (Max)		AWG	2 x 2
Tightening torque (Max)		AWG Nm	2 x 2 4-5
		AWG	2 x 2
Connections - relay output		AWG Nm	2 x 2 4-5 2.95-3.69 lbft
Connections - relay output Type of terminal		AWG Nm	2 x 2 4-5
Connections - relay output	Max	AWG Nm lbin/lbft	2 x 2 4-5 2.95-3.69 lbft Screw
Connections - relay output Type of terminal	Max	AWG Nm lbin/lbft mm²	2 x 2 4-5 2.95-3.69 lbft Screw
Connections - relay output Type of terminal	Max min Max	AWG Nm Ibin/lbft mm² mm²	2 x 2 4-5 2.95-3.69 lbft Screw 0.2 4
Connections - relay output Type of terminal	Max min Max min	AWG Nm Ibin/Ibft mm² mm² AWG	2 x 2 4-5 2.95-3.69 lbft Screw 0.2 4 26
Connections - relay output Type of terminal Conductor cross section	Max min Max	AWG Nm Ibin/lbft mm² mm²	2 x 2 4-5 2.95-3.69 lbft Screw 0.2 4
Connections - relay output Type of terminal	Max min Max min	AWG Nm Ibin/lbft mm² mm² AWG AWG	2 x 2 4-5 2.95-3.69 lbft Screw 0.2 4 26 10
Connections - relay output Type of terminal Conductor cross section	Max min Max min	AWG Nm Ibin/lbft mm² mm² AWG AWG	2 x 2 4-5 2.95-3.69 lbft Screw 0.2 4 26 10 0.8
Connections - relay output Type of terminal Conductor cross section Tightening torque (Max)	Max min Max min	AWG Nm Ibin/lbft mm² mm² AWG AWG	2 x 2 4-5 2.95-3.69 lbft Screw 0.2 4 26 10
Connections - relay output Type of terminal Conductor cross section Tightening torque (Max) Connections - fan and digital input	Max min Max min	AWG Nm Ibin/lbft mm² mm² AWG AWG	2 x 2 4-5 2.95-3.69 lbft Screw 0.2 4 26 10 0.8 7
Connections - relay output Type of terminal Conductor cross section Tightening torque (Max) Connections - fan and digital input Type of terminal	Max min Max min	AWG Nm Ibin/lbft mm² mm² AWG AWG	2 x 2 4-5 2.95-3.69 lbft Screw 0.2 4 26 10 0.8
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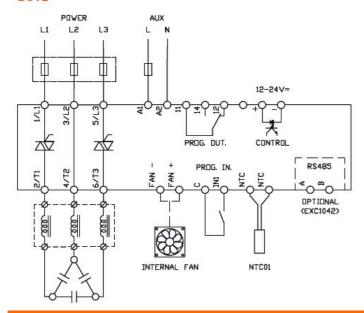
Tightening torque (Max)			
		Nm	0.44
		lbin	4
Ambient conditions			
Temperature			
Operating temperature		0.0	00
	min	°C	-20
			+45°C without derating (up to
	max	°C	55°C with
			derating)
Storage temperature			9/
	min	°C	-30
	max	°C	+80
Relative humidity		%	<80%
Maximum Pollution degree			2
Overvoltage category			III
Max altitude		m	2000m wihtout
		111	derating
Climatic sequence			Z/ABDM (IEC/EN
			60068-2-61)
Shock resistance			15g (IEC/EN
			60068-2-27) 0.7g (IEC/EN
Vibration resistance			60068-2-6)
Housing			00000-2-0)
			Internal panel
Execution			version
Material			Polycarbonate
			Screw fixing or
			DIN-rail (IEC/EN
Mounting			60715) with
9			optional
			accessory
Down of costs tion			EXP8003
Degree of protection			IP00
Dimensions (W x H x D)		mm	75 x 218 x 171.5
Weight		g	1740
Dimensions			





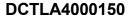
Wiring diagrams

DCTL



Certifications and compliance

Compliance





晶闸管, 15KVAR/400VAC, 额定工作电压400VAC, 带电流检测

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