

THYRISTOR MODULE, 15KVAR AT 400VAC, RATED OPERATING VOLTAGE 400VAC, WITH CURRENT CONTROL



			20,000
Product designation			Thyristor
-			modules
Product type designation			DCTL
General characteristics		١,	100
Rated voltage		V	400
Operating voltage range			340440
Rated frequency		Hz	50/60
Operating frequency range		Hz	4565
Rated current (Ie)		Α	22
Step power at	100VAC	kvar	15
Peak inverse voltage (PIV)	HUUVAC	VAC	1800
Number of controlled phases		Nr.	2
Transcor of controlled phases			12-24VDC input or free-voltage input or via
Control circuit			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 Control input		W	4.6
Terminals			CONTROL +/-
Rated voltage			12-24VDC
Operating range			830VDC
Digital inputs			030 VDC
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			
Terminals			NTC-NTC
Sensor type			NTC (ordering code NTC01)





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Measuring range		°C	-25+85
Maximum connection lenght		mt	3
Fan power supply		1110	
Terminals			FAN +/-
Supply voltage (internal)			5VDC (provided 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		kV	4
Connections - power terminals			
Type of terminal			Fixed - double lock clamp
Conductor cross section			
	min	mm²	2 x 2.5
	Max	mm²	2 x 35
	min Max	AWG	2 x 18
Tightoning torque (Mov)	Max	AWG	2 x 2
Tightening torque (Max)		Nm	4-5
		lbin/lbft	2.95-3.69 lbft
Connections - relay output		IDIII/IDIC	2.55 5.65 IDIT
Type of terminal			Screw
Conductor cross section			
	min	mm²	0.2
	Max	mm²	4
	min	AWG	26
	Max	AWG	10
Tightening torque (Max)			
		Nm	0.8
		lbin	7
Connections - fan and digital input			Сатам
Type of terminal			Screw
Conductor cross section	min	mm²	0.2
	min Max	mm² mm²	0.2 2.5
	min	AWG	2.5 24
	Max	AWG	12
			-



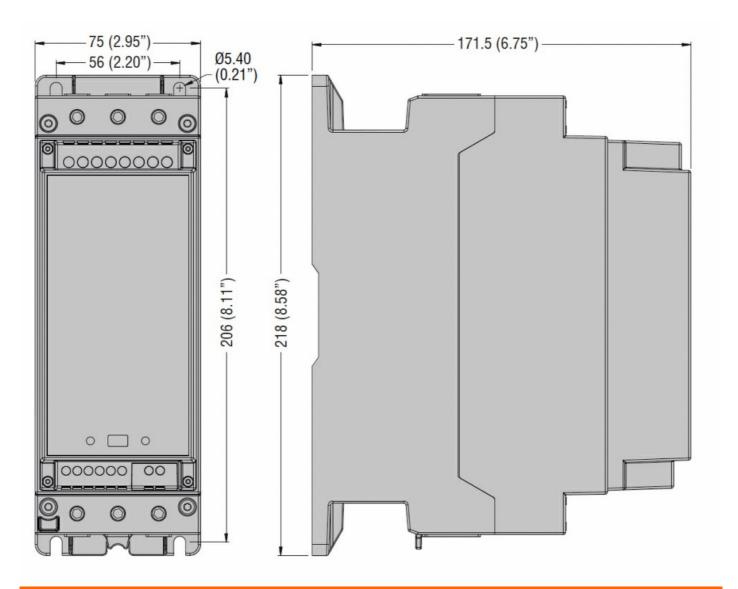


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Tightening torque (M	lax)			
			Nm	0.44
			lbin	4
Ambient conditions				
Temperature	Out and the state of the			
	Operating temperature		°C	20
		min	C	-20 +45°C without
				derating (up to
		max	°C	55°C with
				derating)
	Storage temperature			
		min	°C	-30
		max	°C	+80
Relative humidity			%	<80%
Maximum Pollution	degree			2
Overvoltage categor	у			III
Max altitude			m	2000m wihtout
wax aititude				derating
Climatic sequence				Z/ABDM (IEC/EN
				60068-2-61)
Shock resistance				15g (IEC/EN
				60068-2-27)
Vibration resistance				0.7g (IEC/EN
Housing				60068-2-6)
Housing				Internal nanal
Execution				Internal panel version
Material				Polycarbonate
Material				Screw fixing or
				DIN-rail (IEC/EN
N.A				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				

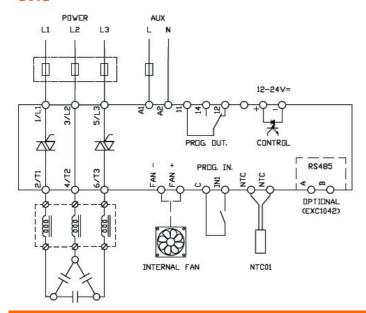
ENERGY AND AUTOMATION

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Wiring diagrams

DCTL



Certifications and compliance

Compliance



DCTLA4000150

THYRISTOR MODULE, 15KVAR AT 400VAC, RATED OPERATING VOLTAGE 400VAC, WITH **CURRENT CONTROL**

IEC/EN 60947-4-3

IEC/EN 61000-6-2

IEC/EN 61000-6-4

Certificates

cULus

ETIM classification

EC002055 -ETIM 8.0 Solid state relay