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Product designation			Thyristor
-			modules
Product type designation			DCTL
General characteristics			
Rated voltage		V	400
Operating voltage range			340440
Rated frequency		Hz	50/60
Operating frequency range		Hz	4565
Rated current (le)		Α	43
Step power at			
	400VAC	kvar	30
Peak inverse voltage (PIV)		VAC	1800
Number of controlled phases		Nr.	2
			12-24VDC input
			or free-voltage
			input or via
			RS485 serial port
Control circuit			(with optional
			card EXC1042 in
			combination with controller
			DCRG8F +
			EXP1012)
Auxiliary supply			EXP 1012)
Auxiliary supply Rated auxiliary supply voltage Us			EXP 1012)
Rated auxiliary supply voltage Us			EXF 1012)
	min	VAC	
Rated auxiliary supply voltage Us	min Max	VAC VAC	100
Rated auxiliary supply voltage Us AC	min Max	VAC	100 240
Rated auxiliary supply voltage Us  AC  Auxiliary rated frequency		VAC Hz	100 240 50/60
Rated auxiliary supply voltage Us AC  Auxiliary rated frequency Power consumption Max		VAC Hz VA	100 240 50/60 11.8
Rated auxiliary supply voltage Us AC  Auxiliary rated frequency Power consumption Max Power dissipation Max		VAC Hz	100 240 50/60
Rated auxiliary supply voltage Us AC  Auxiliary rated frequency Power consumption Max Power dissipation Max Control input		VAC Hz VA	100 240 50/60 11.8 4.6
Rated auxiliary supply voltage Us AC  Auxiliary rated frequency Power consumption Max Power dissipation Max Control input Terminals		VAC Hz VA	100 240 50/60 11.8 4.6
Rated auxiliary supply voltage Us AC  Auxiliary rated frequency Power consumption Max Power dissipation Max Control input Terminals Rated voltage		VAC Hz VA	100 240 50/60 11.8 4.6 CONTROL +/- 12-24VDC
Rated auxiliary supply voltage Us AC  Auxiliary rated frequency Power consumption Max Power dissipation Max  Control input Terminals Rated voltage Operating range		VAC Hz VA	100 240 50/60 11.8 4.6
Rated auxiliary supply voltage Us AC  Auxiliary rated frequency Power consumption Max Power dissipation Max Control input Terminals Rated voltage Operating range Digital inputs		VAC Hz VA	100 240 50/60 11.8 4.6 CONTROL +/- 12-24VDC 830VDC
Rated auxiliary supply voltage Us AC  Auxiliary rated frequency Power consumption Max Power dissipation Max  Control input Terminals Rated voltage Operating range Digital inputs Terminals		VAC Hz VA	100 240 50/60 11.8 4.6 CONTROL +/- 12-24VDC 830VDC
Rated auxiliary supply voltage Us AC  Auxiliary rated frequency Power consumption Max Power dissipation Max Control input Terminals Rated voltage Operating range Digital inputs Terminals Applied voltage at contact (internal)		VAC Hz VA W	100 240 50/60 11.8 4.6 CONTROL +/- 12-24VDC 830VDC
Rated auxiliary supply voltage Us		VAC Hz VA W	100 240 50/60 11.8 4.6 CONTROL +/- 12-24VDC 830VDC C-IN1 5VDC ≤10
Rated auxiliary supply voltage Us		VAC Hz VA W  mA VDC	100 240 50/60 11.8 4.6 CONTROL +/- 12-24VDC 830VDC C-IN1 5VDC ≤10 ≤0.8
Rated auxiliary supply voltage Us		MAC Hz VA W  mA VDC VDC	100 240 50/60 11.8 4.6 CONTROL +/- 12-24VDC 830VDC C-IN1 5VDC ≤10 ≤0.8 ≥3.2
Rated auxiliary supply voltage Us		VAC Hz VA W  mA VDC	100 240 50/60 11.8 4.6 CONTROL +/- 12-24VDC 830VDC C-IN1 5VDC ≤10 ≤0.8
Rated auxiliary supply voltage Us		MAC Hz VA W  mA VDC VDC	100 240 50/60 11.8 4.6 CONTROL +/- 12-24VDC 830VDC C-IN1 5VDC ≤10 ≤0.8 ≥3.2 ≥50
Rated auxiliary supply voltage Us		MAC Hz VA W  mA VDC VDC	100 240 50/60 11.8 4.6 CONTROL +/- 12-24VDC 830VDC C-IN1 5VDC ≤10 ≤0.8 ≥3.2

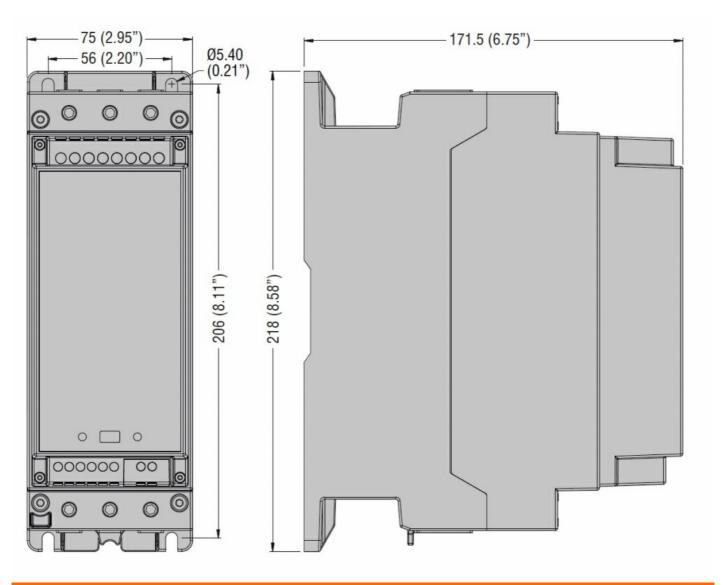


Managuria a rapara		°C	OF 10F
Measuring range Maximum connection lenght			-25+85 3
Fan power supply		mt	ა 
Terminals			FAN +/-
Terrillias			5VDC (provided
Supply voltage (internal)			by DCTL)
Fan type			1 built-in fan type EXP8004
Relay outputs			
Number of relay output		Nr.	1
Contact arrangement			1 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 <sup>7</sup>
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
Connections - relay output Type of terminal Conductor cross section  Tightening torque (Max)  Connections - fan and digital input	min Max min Max	Nm lbin/lbft mm² mm² AWG AWG	2 x 2  4-5 2.95-3.69 lbft  Screw  0.2 4 26 10  0.8 7  Screw
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Connections - relay output Type of terminal Conductor cross section  Tightening torque (Max)  Connections - fan and digital input Type of terminal	min Max min Max	AWG  Nm Ibin/lbft  mm² AWG AWG  Nm Ibin Ibin	2 x 2  4-5 2.95-3.69 lbft  Screw  0.2 4 26 10  0.8 7  Screw



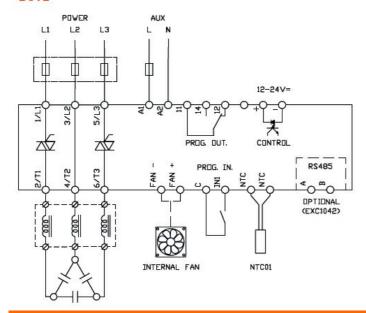
Tightening torque (Ma	ax)			
	•		Nm	0.44
			lbin	4
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-20
				+45°C without derating (up to
		max	°C	55°C with
				derating)
	Storage temperature			
	ŭ i	min	°C	-30
		max	°C	+80
Relative humidity			%	<80%
Maximum Pollution d	egree			2
Overvoltage category	1			III
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				00008-2-0)
Execution				Internal panel
Material				version Polycarbonate
ivialeriai				Screw fixing or
				DIN-rail (IEC/EN
Marriedia				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

## DCTL



## Certifications and compliance

## Compliance





晶闸管, 30KVAR/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