



Input characteristics

Control voltage	90...280VAC		
Operating voltage limits			
	Operating voltage pick-up	V	90
	Operating voltage drop-out	V	20
Input current at min...max voltage	mA	23...50	

Operating times

Switching-on	Half cycle max		
Switching-off	Half cycle max		

Output characteristics

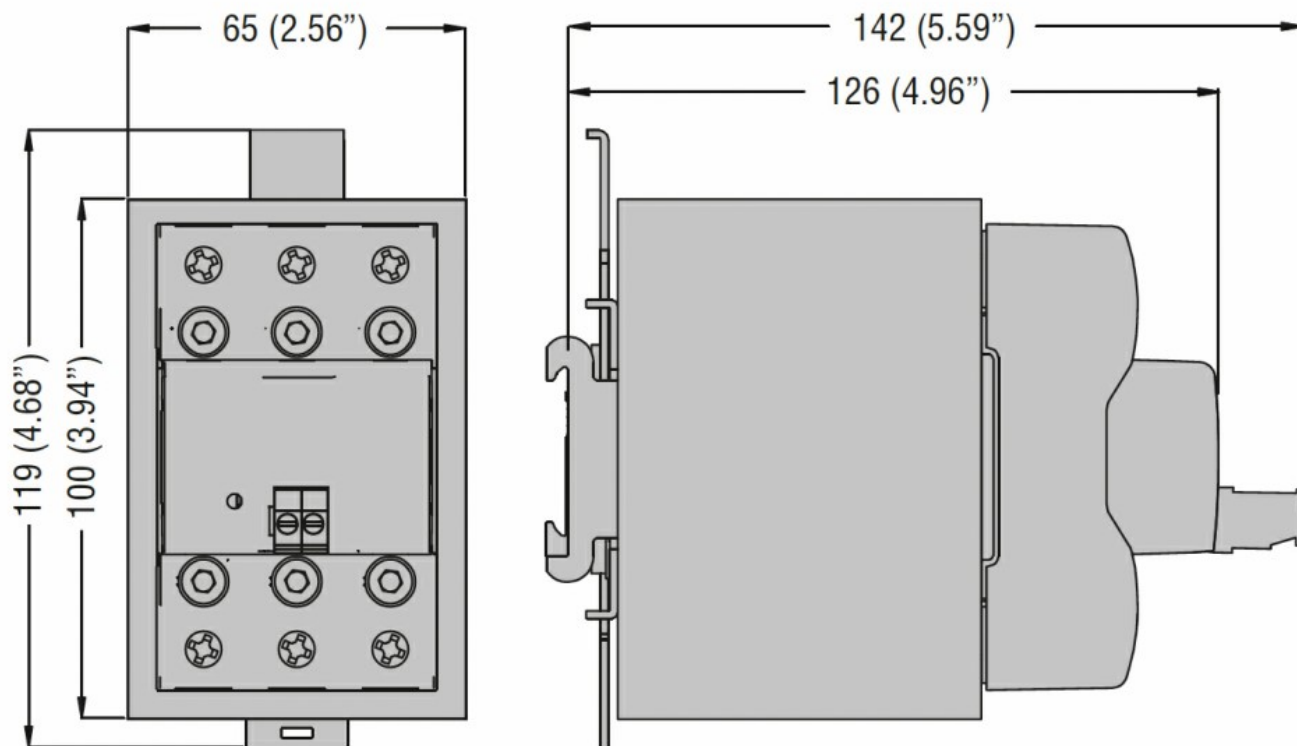
Static output type		SCR (silicon controlled rectifier)
Switching mode		Zero crossing
Rated operating voltage	VAC	48...600
Blocking voltage	V	1200
Operational frequency (min...max)	Hz	45...65
Rated operating current AC-51 (resistive load) at 40°C	A	25
Rated operating current AC-51 (resistive load) at 55°C	A	20
Rated operating current AC-53 (motor load) at 40°C	A	13.5
Non repetitive surge peak on state current t=10ms	A	530
Off state leakage current	mA	1
On state output voltage drop	V	1.2
Critical rate of rise of off-state voltage dv/dt	V/μs	1000
Input - Output isolation	V	5000
Input - Output to metal base	V	5000
Output protection type		VDR
I2t	A2s	1404

Terminal characteristics

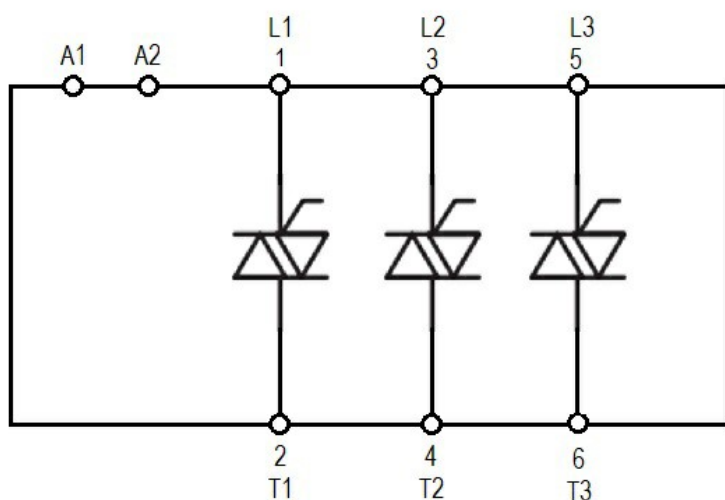
Control terminals	Type	Screw
Terminals tool	Blade 3.5mm	
Tightening torque control terminals	Nm	0.5Nm
	Ibin	4.5
Conductor section connectable (control terminals) with 1 or 2 wires min...max		
AWG stranded	n°	28...12
Flexible w/o lug	mm2	0.75...2.5
Flexible c/w insulated spade lug	mm2	0.75...2.5
Load terminals	Type	Screw
Load terminals tool	PH2	
Tightening torque load terminals	Nm	1.5
	Ibin	13.3
Conductor section connectable (load terminals) with 1 or 2 wires min...max		
AWG stranded	n°	18...10

	Flexible w/o lug	mm2	1...6
	Flexible c/w insulated spade lug	mm2	1...16
Operating position			
	allowable		On vertical plane
Fixing			Screw or on 35mm DIN rail
Ambient conditions			
Temperature			
	Operating temperature		
		min	°C -40
		max	°C +80
	Storage temperature		
		min	°C -40
		max	°C +130

Dimensions



Wiring diagrams



Certifications and compliance

Certifications

IEC/EN/BS 60335-1

IEC/EN/BS 60947-4-2

IEC/EN/BS 60947-4-3

IEC/EN/BS 62314

Compliance

cULus

ETIM classification

EC000066 - Power contactor, AC switching