



Input characteristics

Control voltage	24...255VAC/DC		
Operating voltage limits			
	Operating voltage pick-up	V	24
	Operating voltage drop-out	V	2
Input current at min...max voltage	mA	4.5...6	

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	24...520
Blocking voltage	V	1600
Operational frequency (min...max)	Hz	45...65
Rated operating current AC-51 (resistive load) at 40°C	A	48
Rated operating current AC-51 (resistive load) at 55°C	A	38
Rated operating current AC-53 (motor load) at 40°C	A	12
Operational current min	A	0.05
Non repetitive surge peak on state current t=10ms	A	2100
Off state leakage current	mA	1
On state output voltage drop	V	1
Critical rate of rise of off-state voltage dv/dt	V/μs	500
Input - Output isolation	V	4000
Input - Output to metal base	V	4000
Output protection type	VDR	
I ² t	A ² s	22000

Terminal characteristics

Control terminals	Type	Screw M4
Terminals tool	PZ2	
Tightening torque control terminals	Nm	1.2...2
	Ibin	10.6...17.7
Conductor section connectable (control terminals) with 1 or 2 wires min...max		
AWG stranded	n°	18...14
Flexible w/o lug	mm2	0.75...2.5
Flexible c/w insulated spade lug	mm2	0.75...2.5
Load terminals	Type	Screw M5
Load terminals tool	PZ2	
Tightening torque load terminals	Nm	2...3
	Ibin	20.4

AWG stranded	n°	16...10
Flexible w/o lug	mm2	1.5...6
Flexible c/w insulated spade lug	mm2	1.5...6

Operating position

allowable

Any

Fixing

Screw

Ambient conditions

Temperature

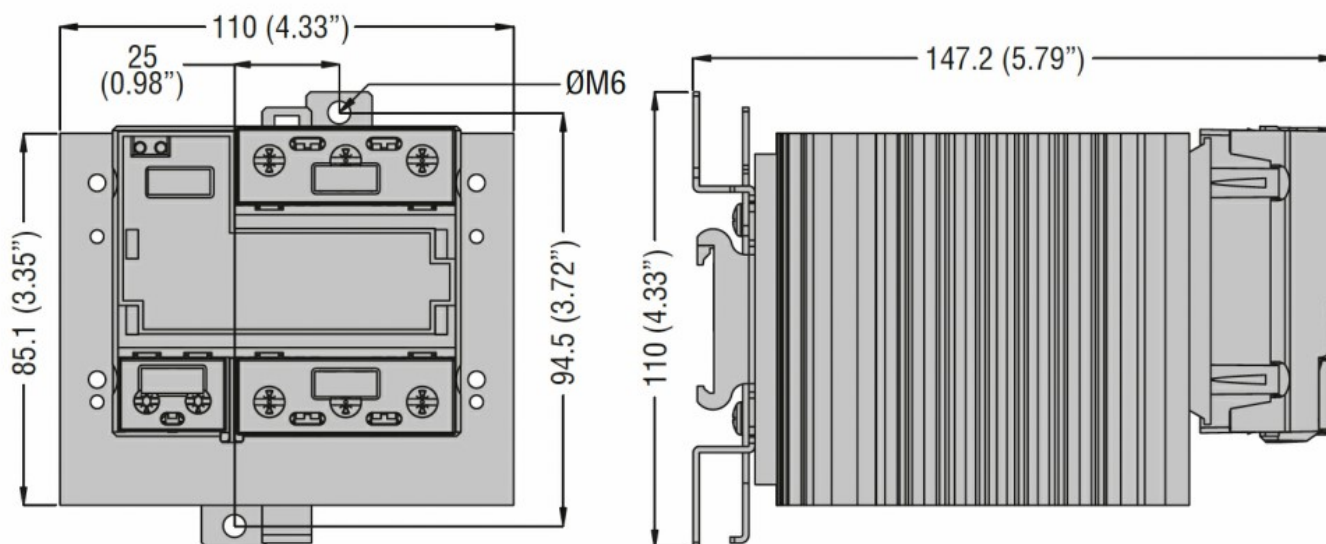
Operating temperature

min	°C	-40
max	°C	+90

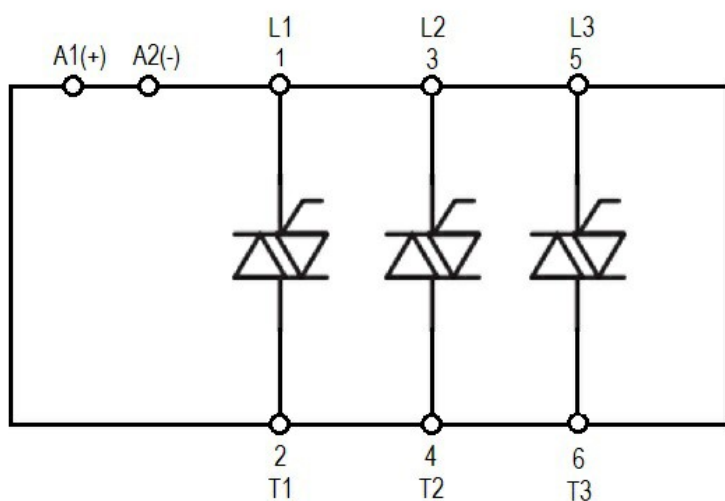
Storage temperature

min	°C	-40
max	°C	+125

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