



Input characteristics

Control voltage	4...32VDC		
Operating voltage limits			
	Operating voltage pick-up	V	4
	Operating voltage drop-out	V	2
Input current at min...max voltage	mA	27...37	

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	50
Rated operating current AC-53 (motor load) at 40°C	A	15
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	
I ² t	A ² s	1404

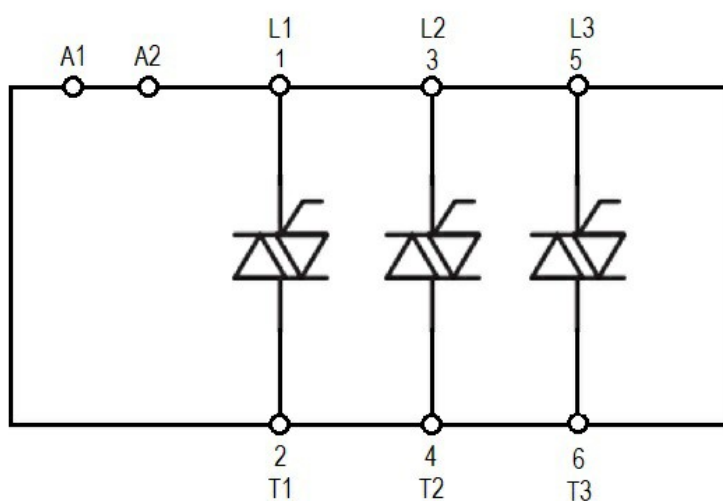
Terminal characteristics

Control terminals	Type	Screw
Terminals tool	Blade 3.5mm	
Tightening torque control terminals	Nm	0.6Nm
	Ibin	5.3
Conductor section connectable (control terminals) with 1 or 2 wires min...max		
AWG stranded	n°	30...14
Flexible w/o lug	mm2	0.05...2
Flexible c/w insulated spade lug	mm2	0.05...2
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		
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 61000-6-2; IEC/EN/BS 61000-6-3

ETIM classification

EC000066 - Power contactor, AC switching