HS3C6HV040D024

SOLID STATE RELAY COMPLETE WITH HEATSINK, THREE-PHASE (3 CONTROLLED), 40A, 4...32VDC, SCREW TERMINALS



Product designation			Solid state relay
Product type designation			HS3C
Type			Three-phase (3 controlled)
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	17...27
Operating times			
Switching-on			Half cycle max
Switching-off			Half cycle max
Output characteristics			
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	40
Rated operating current AC-51 (resistive load) at 55°C		A	32
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
I2t		A2s	1404
Terminal characteristics			
Control terminals		Type	Screw
Terminals tool			Blade 3.5mm
Tightening torque control terminals			
		Nm	0.5Nm
		lbin	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
		lbin	13.3
Conductor section connectable (load terminals) with 1 or 2 wires min…max			

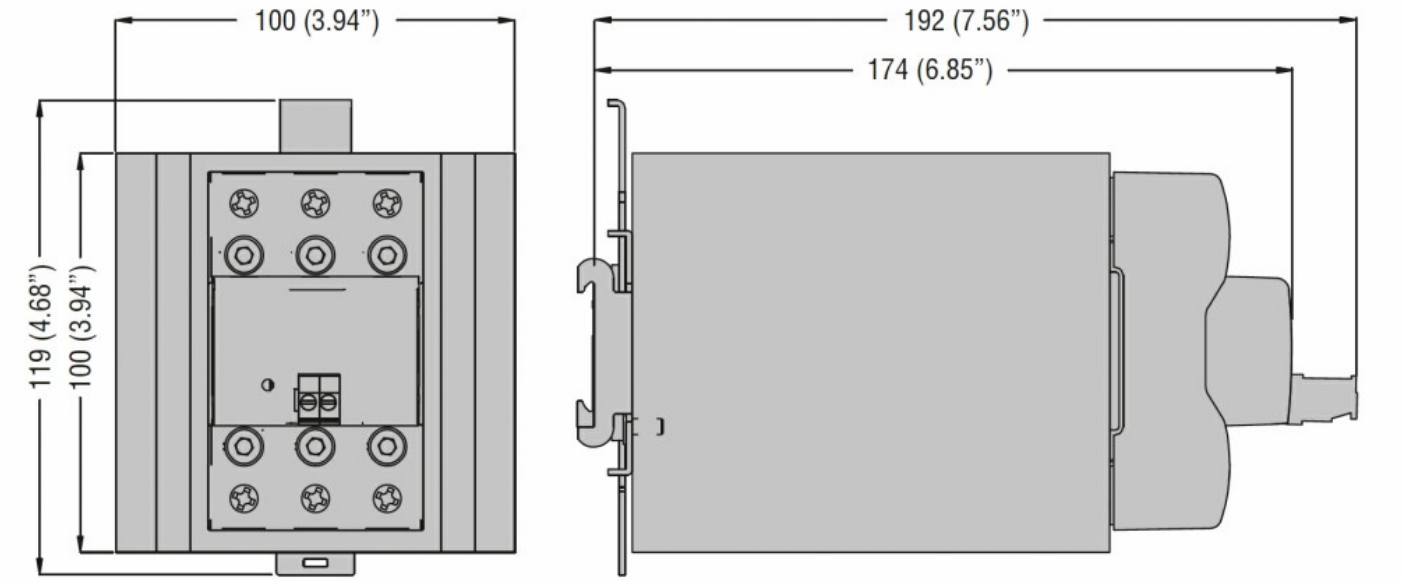
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	AWG stranded	n°	18…10
	Flexible w/o lug	mm2	1…6
	Flexible c/w insulated spade lug	mm2	1…16
Operating position			
	allowable		On vertical plane
Fixing			Screw or on 35mm DIN rail

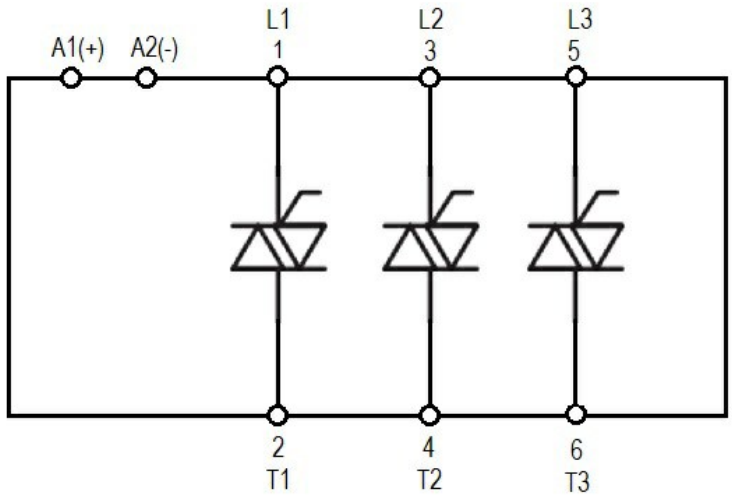
Ambient conditions

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		

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	IEC/EN/BS 60947-4-3
	IEC/EN/BS 62314
Compliance	
	cULus

ETIM classification

EC000066 - Power contactor, AC switching

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