SOLID STATE RELAY COMPLETE WITH HEATSINK, SINGLE-PHASE, 30A, 3...32VDC, SCREW **TERMINALS ENERGY AND AUTOMATION**



Product designation			Solid state relay	
Product type designation			HS1C	
Type Input characteristics			single-phase	
Control voltage			332VDC	
Operating voltage limits			332 V D C	
	Operating voltage pick-up	V	3	
	perating voltage drop-out	V	2	
Input current at minmax voltage	perating voltage drop-out	mA	332VDC	
Operating times		111/-1	332 V D O	
Switching-on			Half cycle max	
Switching-off			Half cycle max	
Output characteristics			Tiali eyele max	
Switching mode			Zero crossing	
Rated operating voltage		VAC	12275	
Blocking voltage		V	600	
Operational frequency (minmax)		Hz	4565	
Rated operating current AC-51 (resistive load) at 40°C		Α	30	
Rated operating current AC-51 (resistive load) at 55°C		A	25	
Operational current min		Α	0.165	
Non repetitive surge peak on state current t=10ms		Α	520	
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	500	
Input - Output isolation		V	5000	
Input - Output to metal base		V	5000	
Output protection type			VDR	
12t		A2s	1350	
Terminal characteristics				
Control terminals		Туре	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 wire	s minmax			
	AWG stranded	n°	2812	
	Flexible w/o lug	mm2	0.752.5	
Flexible	e c/w insulated spade lug	mm2	0.752.5	
Load terminals		Туре	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 minmax				
	AWG stranded	n°	1810	



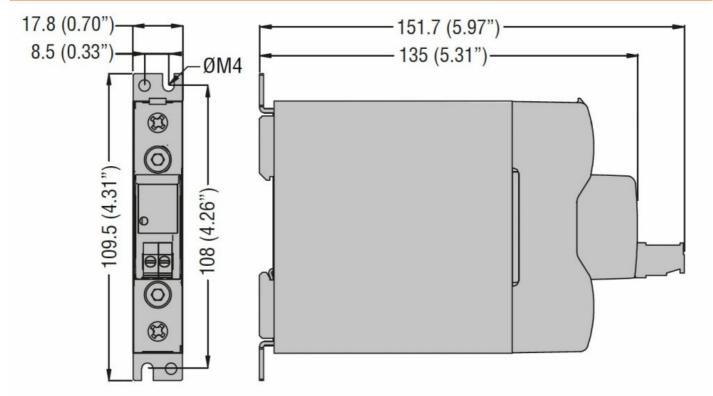
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Flexible w/o lug	mm2	16
Flexible c/w insulated spade lug	mm2	116

		Flexible GW ilisulated space lug	11111112	110
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



Certifications and compliance

Certifications

IEC/EN/BS 60947-4-2

IEC/EN/BS 60947-4-3

IEC/EN/BS 62314

IEC/EN/BS 6335-1

Compliance

cULus

ETIM classification

EC000066 - Power contactor, AC switching