

Product designation			Solid state relay
Product type designation			HS1A
Туре			single-phase
Input characteristics			
Control voltage			430VDC
Operating voltage limits			
	Operating voltage pick-up	V	4
	Operating voltage drop-out	V	1
Input current at minmax voltage		mA	329
Input reverse voltage		V	30
Operating times			
Switching-on			Half cycle max
Switching-off			Half cycle max
Output characteristics			
Switching mode			Zero crossing
Rated operating voltage		VAC	12280
Blocking voltage		V	600
Operational frequency (minmax)		Hz	4565
Rated operating current AC-51 (resistive load) at 40°C		Α	25
Rated operating current AC-51 (resistive load) at 55°C		Α	22
Heatsink for use at 40°C and 55°C at rated current AC-51		K/W	≤1.2
Rated operating current AC-53 (motor load) at 40°C		А	7
Operational current min		Α	0.005
Non repetitive surge peak on state current t=10ms		Α	250
Off state leakage current		mA	3
On state output voltage drop		V	1.3
Critical rate of rise of off-state voltage dv/dt		V/µs	500
Input - Output isolation		V	4000
Input - Output to metal base		V	2500
12t		A2s	340
Terminal characteristics		/	0.0
Control terminals		Туре	Faston 4.8x0.8
Conductor section connectable (control terminals) with 1 or 2	wires minmax	71.5	
	AWG stranded	n°	1614 (Faston lug)
F	lexible c/w insulated spade lug	mm2	0.756 (Faston lug)
Load terminals		Туре	Faston 6.3x0.8
Conductor section connectable (load terminals) with 1 or 2 w	<i>v</i> ires min…max		
	AWG stranded	n°	1610 (Faston lug)
F	lexible c/w insulated spade lug	mm2	0.756 (Faston lug)
Operating position	allowable		Any



HS1A2NN025D024 MINIATURE SOLID STATE RELAY, SINGLE-PHASE, 25A, 4...30VDC, FASTON TERMINALS

°C

°C

min

max

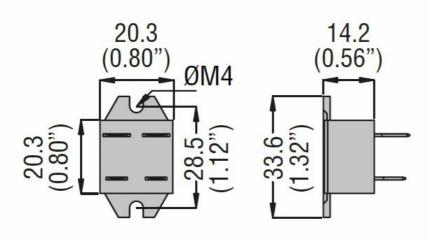
-40

+100

ENERGY AND AUTOMATION

Fixing				Screw
Weight			g	13
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-40
		max	°C	+90
	Storage temperature			

Dimensions



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	
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EC000066 - Power contactor, AC switching