



Product designation			Solid state relay
Product type designation			HS1B
Type			single-phase
Input characteristics			anigra princes
Control voltage			18280VAC/DC
Operating voltage limits			
	perating voltage pick-up	V	18
	erating voltage drop-out	V	8
Input current at minmax voltage	oraming remage arep ear	mA	4.56
Operating times			
Switching-on			Half cycle max
Switching-off			Half cycle max
Output characteristics			Tiali oyole max
Switching mode			Zero crossing
Rated operating voltage		VAC	12280
Blocking voltage		VAC	600
Operational frequency (minmax)		Hz	4565
Rated operating current AC-51 (resistive load) at 40°C		A	25
Rated operating current AC-51 (resistive load) at 40 C		A	20
Heatsink for use at 40°C and 55°C at rated current AC-51		K/W	≤2.2
Operational current min		A	0.05
Non repetitive surge peak on state current t=10ms		Α	340
Off state leakage current		mA	1
On state output voltage drop		V	1.25
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			TVS
I2t		A2s	600
Terminal characteristics			
Control terminals		Туре	Screw M4
Terminals tool			PZ2
Tightening torque control terminals			
		Nm	1.22
		lbin	10.617.7
Conductor section connectable (control terminals) with 1 or 2 wires	minmax		
	AWG stranded	n°	1814
	Flexible w/o lug	mm2	0.752.5
Flexible	c/w insulated spade lug	mm2	0.752.5
Load terminals		Type	Screw M5
Load terminals tool			PZ2
Tightening torque load terminals			
		Nm	23
		lbin	20.4



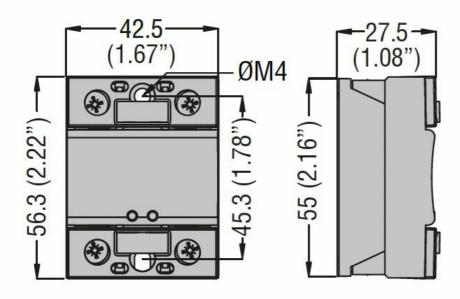
HOCKEY PUCK, SINGLE-PHASE, 25A, 18...280VAC/DC, SCREW TERMINALS

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

O	perating	position
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		allowable		Any
Fixing				Screw
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-40
		max	°C	+90
	Storage temperature			
		min	°C	-40
		max	°C	+100

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

cURus VDE

ETIM classification

EC000066 - Power contactor, AC switching