



Product designation			Solid state relay
Product type designation			HS1B
Туре			single-phase
Input characteristics			S S T S S S S S S S S S S S S S S S S S
Control voltage			20265VAC/DC
Operating voltage limits			
operating vertage imme	Operating voltage pick-up	V	95
	Operating voltage drop-out	V	5
Input current at minmax voltage	operating vertage arep ear	mA	510
Operating times		11.77	011110
Switching-on			Half cycle max
Switching-off			Half cycle max
Output characteristics			Trail by ole Triax
Switching mode			Zero crossing
Rated operating voltage		VAC	24510
Blocking voltage		VAC	1200
Operational frequency (minmax)		Hz	4565
Rated operating current AC-51 (resistive load) at 40°C		A	<u>40</u> 35
Rated operating current AC-51 (resistive load) at 55°C  Heatsink for use at 40°C and 55°C at rated current AC-51		A	
		K/W	≤0.9
Rated operating current AC-53 (motor load) at 40°C		Α	7
Operational current min		A	0.05
Non repetitive surge peak on state current t=10ms		A	500
Off state leakage current		mA	1
On state output voltage drop		V	1.5
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			VDR
I2t		A2s	1250
Terminal characteristics			
Control terminals		Type	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
Fle	exible c/w insulated spade lug	mm2	0.752.5
Load terminals		Type	Screw M5
Load terminals tool			PZ2
Tightening torque load terminals			
		Nm	23
		Ibin	20.4



Conductor section connectable (load terminals) with 1 or 2 wires minmax	
Conductor controllable (read terminals) that I of 2 whos immining	

AWG stranded	n°	1610
Flexible w/o lug	mm2	1.56
Flexible c/w insulated spade lug	mm2	1.56

Operating position

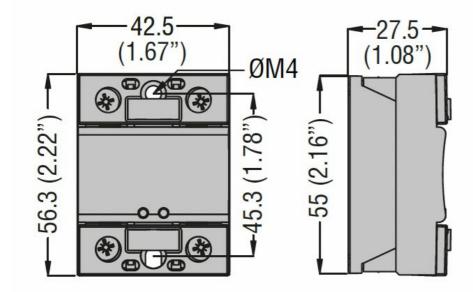
	allowable	Any
Fixing		Screw

## Ambient conditions

## Temperature

 Min or company
 °C or -40 or -40

## **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

CSA cURus

VDE

ETIM classification

EC000066 - Power contactor, AC switching