



			0,00
Product designation			Solid state relay
Product type designation			HS1B
Type			single-phase
Input characteristics			omigro pridoc
Control voltage			3.532VDC
Operating voltage limits			0.002 7 2 0
operating voltage infinite	Operating voltage pick-up	V	3.5
	Operating voltage drop-out	V	2
Input current at minmax voltage	oporating voltage arep ear	mA	1013
Input reverse voltage		V	32
Operating times		·	02
Switching-on			Half cycle max
Switching-off			Half cycle max
Output characteristics			Tian byoic max
Switching mode			Zero crossing
Rated operating voltage		VAC	24600
Blocking voltage		V	1200
Operational frequency (minmax)		Hz	4565
Rated operating current AC-51 (resistive load) at 40°C		A	60
Rated operating current AC-51 (resistive load) at 40 C			52
Heatsink for use at 40°C and 55°C at rated current AC-51		A K/W	<u>52</u> ≤0.55
Operational current min		A	0.05
Non repetitive surge peak on state current t=10ms		Α	750
Off state leakage current		mA	1
On state output voltage drop		V	1.35
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	2800
Terminal characteristics			
Control terminals		Туре	Screw M4
Terminals tool			PZ2
Tightening torque control terminals			
		Nm	1.22
		Ibin	10.617.7
Conductor section connectable (control terminals) with 1 or			
	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



Conductor section connectable	(load terminals)	) with 1 or 2 wires min	max

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

Operating position

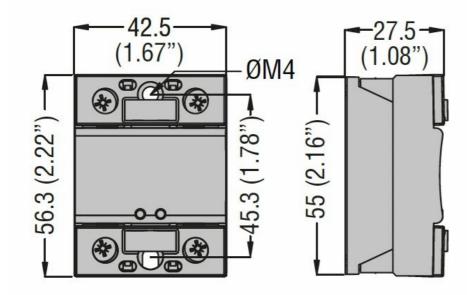
	allowable	Any
Fixing		Screw

## Ambient conditions

## Temperature

Operating temperature			
	min	°C	-55
	max	°C	+90
Storage temperature			
	min	°C	-55
	may	°C	<b>⊥</b> 125

## 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

CSA cURus VDE

## ETIM classification

EC000066 - Power contactor, AC switching