



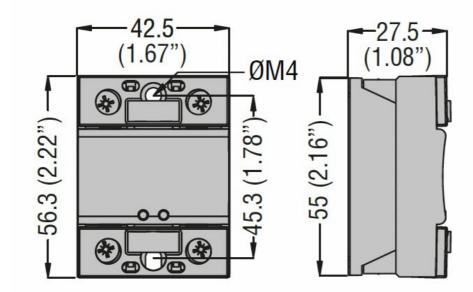
			0,00
Product designation			Solid state relay
Product type designation			HS1B
Type			single-phase
Input characteristics			omigro pridoc
Control voltage			3.532VDC
Operating voltage limits			0.002 v B 0
oporating voltago innito	Operating voltage pick-up	V	3.5
	Operating voltage drop-out	V	2
Input current at min…max voltage	operating vertage 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 Gyolo Illax
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 55°C		A	52
Heatsink for use at 40°C and 55°C at rated current AC-51		K/W	≤0.55
Operational current min		A	0.05
Non repetitive surge peak on state current t=10ms		A	750
Off state leakage current		mA	1
On state leakage current 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 TVS
Output protection type		A O =	
I2t		A2s	2800
Terminal characteristics		Ti ma	Corour M4
Control terminals		Туре	Screw M4
Terminals tool			PZ2
Tightening torque control terminals			4.0.0
		Nm	1.22
0 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		lbin	10.617.7
Conductor section connectable (control terminals) with 1 or	40 44		
	AWG stranded	n°	1814
-	Flexible w/o lug	mm2	0.752.5
	lexible c/w insulated spade lug	mm2	0.752.5
Load terminals		Туре	Screw M5
Load terminals tool			PZ2
Tightening torque load terminals			0 0
		Nm	23
		Ibin	20.4



**ENERGY AND AUTOMATION** 

Conductor section connectable (load terminals) with 1 or 2 wires minmax						
		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		
		max	°C	+125		

## **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