



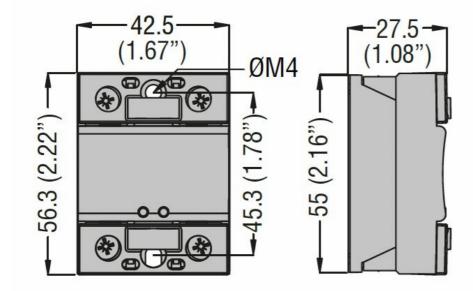
			0.00	
Product designation			Solid state relay	
Product type designation			HS1B	
Type			single-phase	
Input characteristics			onigio priace	
Control voltage			20265VAC/DC	
Operating voltage limits			20200 17 10/20	
Operating voitage in into	Operating voltage pick-up	V	20VAC-18VDC	
	Operating voltage drop-out	V	5	
Input current at minmax voltage	operating vertage area eat	mA	510	
Operating times		1117 (
Switching-on			Half cycle max	
Switching-off			Half cycle max	
Output characteristics			Tiali oyole max	
Switching mode			Zero crossing	
Rated operating voltage		VAC	24510	
Blocking voltage		V	1200	
Operational frequency (minmax)		Hz	4565	
Rated operating current AC-51 (resistive load) at 40°C		A	130	
Rated operating current AC-51 (resistive load) at 40 C		A	105	
Heatsink for use at 40°C and 55°C at rated current AC-51		K/W	<u>103</u> ≤0.3	
Rated operating current AC-53 (motor load) at 40°C			32	
		A		
Operational current min		A	0.05	
Non repetitive surge peak on state current t=10ms		Α	2100	
Off state leakage current		mA	1	
On state output voltage drop		V	1.2	
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	
l2t		A2s	22000	
Terminal characteristics				
Control terminals		Type	Screw M4	
Terminals tool			PZ2	
Tightening torque control terminals				
		Nm	1.22	
		Ibin	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	
-	lexible 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	



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 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