



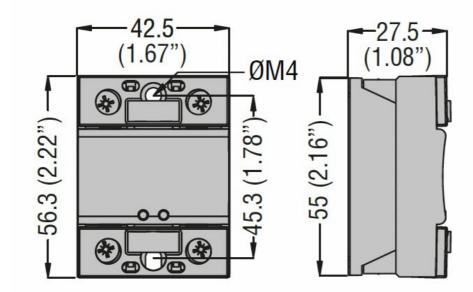
Product designation			Solid state relay			
Product type designation			HS1B			
Туре			single-phase			
Input characteristics			J J P			
Control voltage			332VDC			
Operating voltage limits						
operating vertage in the	Operating voltage pick-up	V	3			
	Operating voltage drop-out	V	1			
Input current at minmax voltage	Operating ventage drop ear	mA	1013			
Input reverse voltage		V	32			
Operating times		v	02			
Switching-on			Half cycle max			
Switching-off			Half cycle max			
Output characteristics			Tiali Cycle Tiax			
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 55°C		Α	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			
l2t		A2s	600			
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			
Flex	rible c/w insulated spade lug	mm2	0.752.5			
Load terminals	-	Туре	Screw M5			
Load terminals tool			PZ2			
Tightening torque load terminals						
		Nm	23			
		Ibin	20.4			



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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	-40			
		max	°C	+90			
	Storage temperature						
		min	°C	-40			
		max	°C	+100			

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