



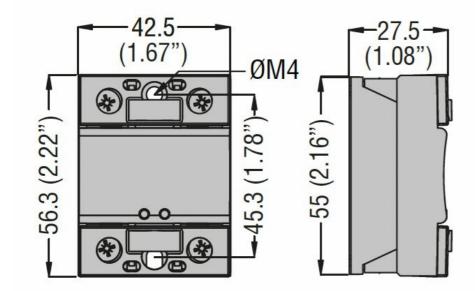
Product designation			Solid state relay		
Product type designation			HS1B		
Type			single-phase		
Input characteristics					
Control voltage			20265VAC/DC		
Operating voltage limits					
	Operating voltage pick-up	V	95		
	Operating voltage drop-out	V	5		
Input current at minmax voltage	1 3 3 1	mA	510		
Operating times					
Switching-on			Half cycle max		
Switching-off			Half cycle max		
Output characteristics			Train by ord tribin		
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	40		
Rated operating current AC-51 (resistive load) at 45 °C		A	35		
Heatsink for use at 40°C and 55°C at rated current AC-51		K/W	<u>≤0.9</u>		
Rated operating current AC-53 (motor load) at 40°C		A	7		
Operational current min			0.05		
•					
Non repetitive surge peak on state current t=10ms		Α	500		
Off state leakage current		mA V			
On state output voltage drop		-	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		
l2t		A2s	1250		
Terminal characteristics		_	2 144		
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		
	xible c/w insulated spade lug	mm2	0.752.5		
Load terminals		Туре	Screw M5		
Load terminals tool			PZ2		
Tightening torque load terminals					
		Nm	23		
		lbin	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 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