

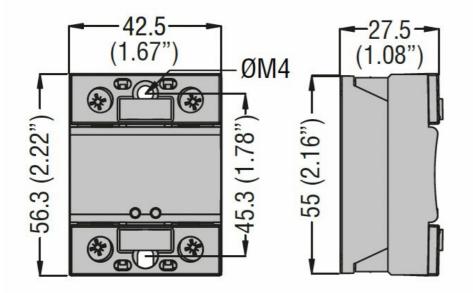


Product designation			Solid state relay
Product type designation			HS1B
Туре			single-phase
nput characteristics			
Control voltage			20265VAC/D
Operating voltage limits			
Opera	ating voltage pick-up	V	20VAC-18VDC
Operat	ing voltage drop-out	V	5
nput current at minmax voltage		mΑ	510
Operating times			
Switching-on			Half cycle max
Switching-off			Half cycle max
Output characteristics			
Switching mode			Zero crossing
Rated operating voltage	١	/AC	24510
Blocking voltage		V	1200
Operational frequency (min…max)		Hz	4565
Rated operating current AC-51 (resistive load) at 40°C		А	60
Rated operating current AC-51 (resistive load) at 55°C		А	52
Heatsink for use at 40°C and 55°C at rated current AC-51	ł	<td>≤0.55</td>	≤0.55
Rated operating current AC-53 (motor load) at 40°C		А	12
Operational current min		А	0.05
Non repetitive surge peak on state current t=10ms		А	750
Off state leakage current		mA	1
On state output voltage drop		V	1.45
Critical rate of rise of off-state voltage dv/dt	\	//µs	500
Input - Output isolation		V	4000
nput - Output to metal base		V	4000
Output protection type			VDR
2t		A2s	2800
Terminal characteristics	-		
Control terminals	Т	уре	Screw M4
Terminals tool		71	PZ2
Tightening torque control terminals			
		Nm	1.22
		lbin	10.617.7
Conductor section connectable (control terminals) with 1 or 2 wires mir		-	
		n°	1814
		nm2	0.752.5
Flexible c/w	•	nm2	0.752.5
Load terminals		уре	Screw M5
Load terminals tool		* 1	PZ2
Tightening torque load terminals			
		Nm	23
			20



Conductor section co	nnectable (load terminals) with 1 or 2 w	ires min…max		
		AWG stranded	n°	1610
		Flexible w/o lug	mm2	1.56
	FI	exible 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

Cortifications	
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 classificatio	n

EC000066 - Power contactor, AC switching