

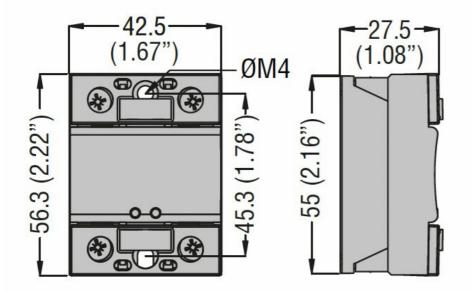


Product designation			Solid state relay
Product type designation			HS1B
Гуре			single-phase
nput characteristics			
Control voltage			20265VAC/D
Operating voltage limits			
	Operating voltage pick-up	V	95
(	perating voltage drop-out	V	5
nput current at min…max voltage		mA	510
Operating times			
Switching-on			Half cycle max
Switching-off			Half cycle max
Output characteristics			
Switching mode			Zero crossing
Rated operating voltage		VAC	24510
Blocking voltage		V	1200
Operational frequency (min…max)		Hz	4565
Rated operating current AC-51 (resistive load) at 40°C		А	40
Rated operating current AC-51 (resistive load) at 55°C		А	35
Heatsink for use at 40°C and 55°C at rated current AC-51		K/W	≤0.9
Rated operating current AC-53 (motor load) at 40°C		А	7
Dperational current min		А	0.05
Non repetitive surge peak on state current t=10ms		А	500
Off state leakage current		mA	1
On state output voltage drop		V	1.5
Critical rate of rise of off-state voltage dv/dt		V/µs	500
nput - Output isolation		V	4000
nput - Output to metal base		V	4000
Dutput protection type			VDR
2t		A2s	1250
Terminal characteristics			
Control terminals		Туре	Screw M4
Terminals tool			PZ2
Fightening torque control terminals			
		Nm	1.22
		lbin	10.617.7
Conductor section connectable (control terminals) with 1 or 2 wire	es minmax		
· · · · ·	AWG stranded	n°	1814
	Flexible w/o lug	mm2	0.752.5
Flexib	le c/w insulated spade lug	mm2	0.752.5
_oad terminals		Туре	Screw M5
Load terminals tool			PZ2
Fightening torque load terminals			
		Nm	23
		lbin	20.4



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

## 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			
ECO00000 Rever contentor AC exitability				

EC000066 - Power contactor, AC switching