

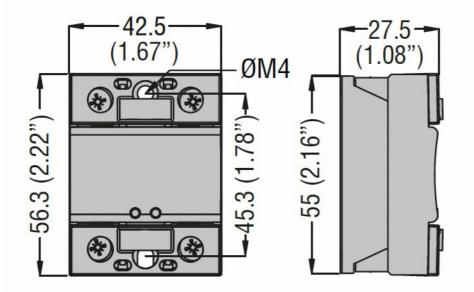


Product designation			Solid state rela
Product type designation			HS1B
Гуре			single-phase
nput characteristics			
Control voltage			3.532VDC
Dperating voltage limits			
	Operating voltage pick-up	V	3.5
0	perating voltage drop-out	V	2
nput current at min…max voltage		mA	1013
nput reverse voltage		V	32
Dperating times			
Switching-on			Half cycle max
Switching-off			Half cycle max
Output characteristics			
Switching mode			Zero crossing
Rated operating voltage		VAC	24600
Blocking voltage		V	1200
Dperational 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
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			TVS
2t		A2s	1250
Terminal characteristics			
Control terminals		Туре	Screw M4
Terminals tool			PZ2
Fightening torque control terminals			
		Nm	1.22
		Ibin	10.617.7
Conductor section connectable (control terminals) with 1 or 2 wire	s minmax		
	AWG stranded	n°	1814
	Flexible w/o lug	mm2	0.752.5
Flexible	e c/w insulated spade lug	mm2	0.752.5
Load terminals		Туре	Screw M5
oad terminals tool			PZ2
Fightening torque load terminals			
		Nm	23
		Ibin	20.4



Conductor section co	onnectable (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	h

EC000066 - Power contactor, AC switching