

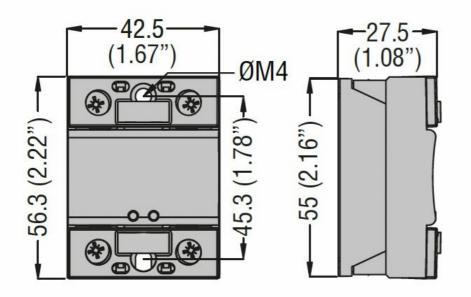


Product designation			Solid state relay
Product type designation			HS1B
Туре			single-phase
Input characteristics			
Control voltage			18280VAC/D0
Operating voltage limits			
0	perating voltage pick-up	V	18
Op	erating voltage drop-out	V	8
Input current at minmax voltage		mA	4.56
Operating times			
Switching-on			Half cycle max
Switching-off			Half cycle max
Dutput characteristics			
Switching mode			Zero crossing
Rated operating voltage		VAC	24600
Blocking voltage		V	12300
Operational frequency (minmax)		Hz	4565
Rated operating current AC-51 (resistive load) at 40°C		Α	90
Rated operating current AC-51 (resistive load) at 55°C		А	80
Heatsink for use at 40°C and 55°C at rated current AC-51		K/W	≤0.3
Operational current min		А	0.05
Non repetitive surge peak on state current t=10ms		А	1200
Off state leakage current		mA	1
On state output voltage drop		V	1.4
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
Output protection type			TVS
2t		A2s	7200
Terminal characteristics		7120	1200
Control terminals		Туре	Screw M4
Terminals tool		.) 0	PZ2
Fightening torque control terminals			
		Nm	1.22
		Ibin	10.617.7
Conductor section connectable (control terminals) with 1 or 2 wires	min max	10111	10101111
	AWG stranded	n°	1814
	Flexible w/o lug	mm2	0.752.5
Flexible	c/w insulated spade lug	mm2	0.752.5
Load terminals		Туре	Screw M5
Load terminals tool		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	PZ2
Fightening torque load terminals			
		Nm	23
		Ibin	20.4
Conductor section connectable (load terminals) with 1 or 2 wires m			- V.7



		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	-55
		max	°C	+90
	Storage temperature			
		min	°C	-55
		max	°C	+125

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 cURus VDE

ETIM classification

EC000066 - Power contactor, AC switching