



Product designation			Solid state relay
Product type designation			HS1B
Type			single-phase
nput characteristics			Ŭ ,
Control voltage			3.532VDC
Dperating voltage limits			
	Operating voltage pick-up	V	3.5
	Operating voltage drop-out	V	2
nput current at min…max voltage		mA	1013
nput reverse voltage		V	32
Operating times			
Switching-on			Half cycle max
Switching-off			Half cycle max
Dutput characteristics			
Switching mode			Zero crossing
Rated operating voltage		VAC	24510
Blocking voltage		V	1200
Dperational 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
leatsink for use at 40°C and 55°C at rated current AC-51		K/W	≤0.55
Rated operating current AC-53 (motor load) at 40°C		А	12
Dperational 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		V/µs	500
nput - Output isolation		V	4000
nput - Output to metal base		V	4000
Dutput protection type			VDR
2t		A2s	2800
Ferminal characteristics			
Control terminals		Туре	Screw M4
Ferminals tool			PZ2
Fightening torque control terminals			
		Nm	1.22
		Ibin	10.617.7
Conductor section connectable (control terminals) with 1 or	2 wires min…max		
``````````````````````````````````````	AWG stranded	n°	1814
	Flexible w/o lug	mm2	0.752.5
F	lexible c/w insulated spade lug	mm2	0.752.5
Load terminals	· •	Туре	Screw M5
Load terminals tool			PZ2
Fightening torque load terminals			
		Nm	23
			-

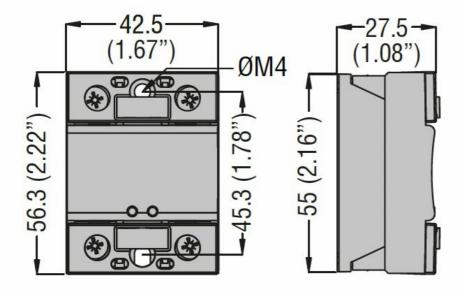


## HS1B5NV060D024

HOCKEY PUCK, SINGLE-PHASE, 60A, 3,5...32VDC, SCREW TERMINALS

		Ibin	20.4
Conductor section connectable (load terminals) with 1 or 2 wires minmax	x		
	AWG stranded	n°	1610
	Flexible w/o lug	mm2	1.56
Flexible c/w ins	ulated 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

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