



Draduat designation		Colid atota ralay
Product designation		Solid state relay HS1B
Product type designation		
Type Input characteristics		single-phase
Control voltage		18280VAC/DC
Operating voltage limits		10200VAC/DC
		4.0
Operating voltage pick	•	18
Operating voltage drop		8 4.56
Input current at minmax voltage  Operating times	mA	4.50
Switching-on		Half cycle max
Switching-off		Half cycle max
Output characteristics		nali cycle max
Switching mode		Zero crossing
Rated operating voltage	VAC	12280
Blocking voltage	VAC	600
	v Hz	
Operational frequency (minmax)		4565
Rated operating current AC-51 (resistive load) at 40°C	A	25
Rated operating current AC-51 (resistive load) at 55°C  Heatsink for use at 40°C and 55°C at rated current AC-51	Α	20
	K/W	≤2.2
Operational current min	A	0.05
Non repetitive surge peak on state current t=10ms	Α	340
Off state leakage current	mA	1
On state output voltage drop	V	1.25
Critical rate of rise of off-state voltage dv/dt	V/µs	500
Input - Output isolation	V	4000
Input - Output to metal base	V	4000
Output protection type		TVS
l2t	A2s	600
Terminal characteristics		•
Control terminals	Туре	Screw M4
Terminals tool		PZ2
Tightening torque control terminals		
	Nm	1.22
	Ibin	10.617.7
Conductor section connectable (control terminals) with 1 or 2 wires minmax		
AWG stran		1814
Flexible w/o	•	0.752.5
Flexible c/w insulated spade		0.752.5
Load terminals	Туре	Screw M5
Load terminals tool		PZ2
Tightening torque load terminals		
	Nm	23
	lbin	20.4
Conductor section connectable (load terminals) with 1 or 2 wires minmax		



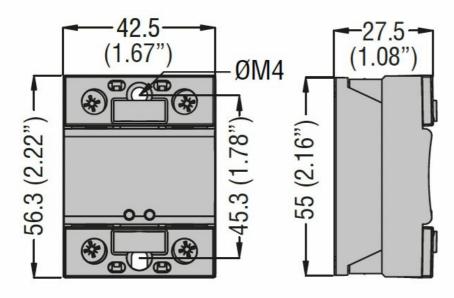
## HOCKEY PUCK, SINGLE-PHASE, 25A, 18...280VAC/DC, SCREW TERMINALS

AWG stranded	n°	1610
Flexible w/o lug	mm2	1.56
Flevible c/w insulated spade lug	mm2	15 6

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

cURus VDE

ETIM classification

EC000066 - Power contactor, AC switching