



			0,00			
Product designation			Solid state relay			
Product type designation			HS1B			
Type			single-phase			
Input characteristics			omigio pridoc			
Control voltage			20265VAC/DC			
Operating voltage limits			20200 17 (0/20			
Operating voltage in the	Operating voltage pick-up	V	20VAC-18VDC			
	Operating voltage drop-out	V	5			
Input current at minmax voltage	operating voltage drop out	mA	510			
Operating times		, (	011110			
Switching-on			Half cycle max			
Switching-off			Half cycle max			
Output characteristics			Tian byoic max			
Switching mode			Zero crossing			
Rated operating voltage		VAC	24510			
Blocking voltage		V	1200			
Operational frequency (minmax)		Hz	4565			
Rated operating current AC-51 (resistive load) at 40°C		A	60			
Rated operating current AC-51 (resistive load) at 40 C		A	52			
Heatsink for use at 40°C and 55°C at rated current AC-51		K/W	<u>52</u> ≤0.55			
Rated operating current AC-53 (motor load) at 40°C		A	12			
Operational current min						
- '		A	0.05			
Non repetitive surge peak on state current t=10ms		Α	750			
Off state leakage current		mA V	1 45			
On state output voltage drop		-	1.45			
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			VDR			
l2t		A2s	2800			
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 stranded	n°	1814			
	Flexible w/o lug	mm2	0.752.5			
	lexible c/w insulated spade lug	mm2	0.752.5			
Load terminals		Туре	Screw M5			
Load terminals tool			PZ2			
Tightening torque load terminals						
		Nm	23			
		Ibin	20.4			



Conductor section	connectable	(load terminals)	with 1	or 2 wires minmax
Conductor Scotlon	COLLICCIADIC	(load terrillials	<i>,</i>	Of Z WII Co HilliHlax

AWG stranded	n°	1610
Flexible w/o lug	mm2	1.56
nsulated spade lug	mm2	1.56

Flexible c/w insulated spade lug

Operating position

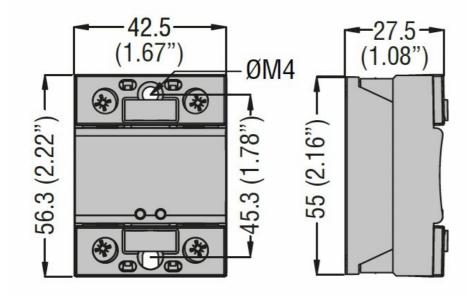
allowable Any Fixing Screw

### Ambient conditions

#### Temperature

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

#### **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

EC000066 - Power contactor, AC switching