

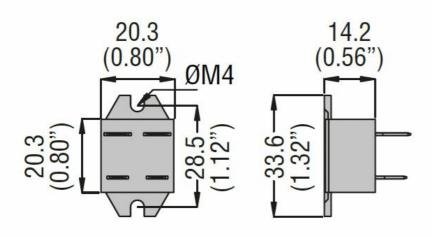
Product designation			Solid state relay	
Product type designation			HS1A	
Туре			single-phase	
Input characteristics				
Control voltage			430VDC	
Operating voltage limits				
	Operating voltage pick-up	V	4	
	Operating voltage drop-out	V	1	
Input current at minmax voltage		mA	329	
Input reverse voltage		V	30	
Operating times				
Switching-on			Half cycle max	
Switching-off			Half cycle max	
Output characteristics				
Switching mode			Zero crossing	
Rated operating voltage		VAC	12280	
Blocking voltage		V	600	
Operational frequency (minmax)		Hz	4565	
Rated operating current AC-51 (resistive load) at 40°C		А	25	
Rated operating current AC-51 (resistive load) at 55°C		А	22	
Heatsink for use at 40°C and 55°C at rated current AC-51		K/W	≤1.2	
Rated operating current AC-53 (motor load) at 40°C		A	7	
Operational current min		A	0.005	
Non repetitive surge peak on state current t=10ms		A	250	
Off state leakage current		mA	3	
On state output voltage drop		V	1.3	
Critical rate of rise of off-state voltage dv/dt		V/µs	500	
Input - Output isolation		V	4000	
Input - Output to metal base		V	2500	
12t		A2s	340	
Terminal characteristics		/	0.0	
Control terminals		Туре	Faston 4.8x0.8	
Conductor section connectable (control terminals) with 1 or	2 wires minmax	71 -		
	AWG stranded	n°	1614 (Faston lug)	
F	Texible c/w insulated spade lug	mm2	0.756 (Faston lug)	
Load terminals		Туре	Faston 6.3x0.8	
Conductor section connectable (load terminals) with 1 or 2 v	vires min…max			
	AWG stranded	n°	1610 (Faston lug)	
F	Texible c/w insulated spade lug	mm2	0.756 (Faston lug)	
Operating position	allowable		Any	



ENERGY AND AUTOMATION

Fixing				Screw
Weight			g	13
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 60947-4-2
	IEC/EN/BS 60947-4-3
	IEC/EN/BS 62314
	IEC/EN/BS 6335-1
Compliance	
	cURus
	VDE
ETIM classification	n .

EC000066 - Power contactor, AC switching