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Lovato electric
ENERGY AND AUTOMATION

HRA101CE024S

Slim electromechanical relay assembled on socket, 24VAC/DC, 6A, 1 C/O contact, spring terminals



Product designation			SLIM RELAY+SOCKET
Product type designation			HRA10
Contact characteristics			
Contact configuration			1 C/O
Rated insulation voltage Ui IEC/EN		V	250
Rated impulse withstand voltage Uimp		kV	4
IEC Conventional free air thermal current Ith		A	6
Maximum instantaneous current		A	20 (500ms)
Rated current (In)		A	6
Relay control voltage		V	24VAC/VDC
Max contrallable power in			
	AC-1	W	1500
	AC-15	VA	360
Rated operating power AC-1			
		VA	1500
Rated operating power AC-15			
	230 VAC	VA	360
Single-phase motor control			
	230VAC	kW	0.186
Rated operating current DC-1			
	30V	A	6
	110V	A	0.2
	220V	A	0.12
Minimum switching load		V / mA	5 / 100
Contact impedance		mΩ	100
Contact material			Ag/Ni
Operating times			
Closing		ms	≤8
Opening		ms	≤4
Operations			
Mechanical life		cycles	10000000
Electrical life AC1		cycles	30000
Coil characteristics			
Relay control voltage + socket		V	24VAC/DC
Average coil consumption DC at 20°C		W	0.2
Operating range			
	Closing	% Un	≥75
	Opening	% Un	≥5
Maximum cycle frequency		cycles/h	10000
Mechanical features			
Max socket terminal tightening torque		Nm	0.5
Socket screw tightening tool (cross / flat blade)			PH0 / 3.5mm
Conductor section			
	AWG/Kcmil		

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		min		20
		max		16
	IEC			
		min	mm²	0.5
		max	mm²	1.5
Operating position				
		normal		Any
Fixing				On 35mm DIN rail

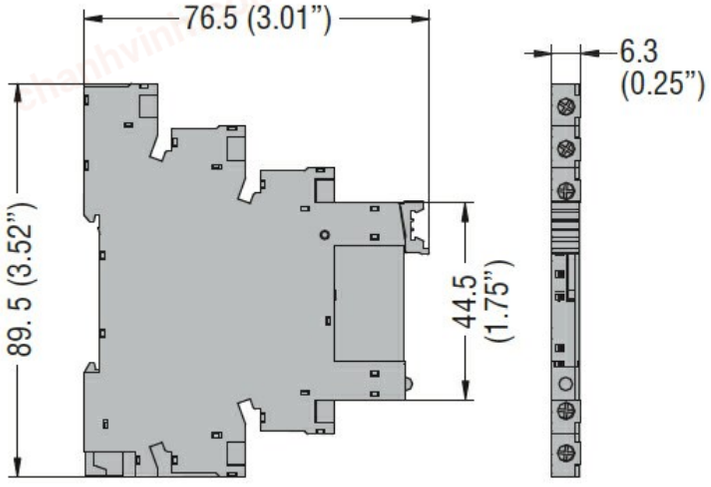
Ambient conditions

Temperature				
	Operating temperature			
		min	°C	-40
		max	°C	+70
	Storage temperature			
		min	°C	-40
		max	°C	+80

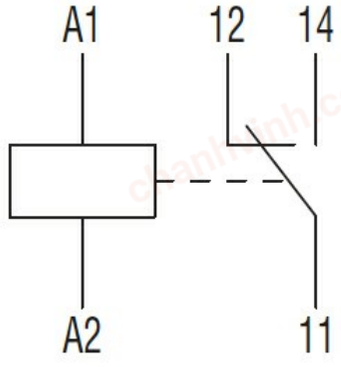
Other features

Indication	Yes (on the socket)
Mechanical contact position indicator	No
Mechanical test actuator	No

Dimensions



Wiring diagrams



Certifications and compliance

Compliance	
	IEC/EN 61810

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Certificates

cURus
EAC
VDE

ETIM classification

ETIM 8.0	EC001437 - Switching relay

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