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Lovato electric
ENERGY AND AUTOMATION

HR703CA024

11-PIN INDUSTRIAL RELAY WITH LED STATE INDICATOR AND MECHANICAL ACTUATOR, 24VAC, 10A, 3 C/O CONTACTS, FITTING ON SOCKET HR7XS2



Contact characteristics			
Contact configuration			3 C/O
Rated insulation voltage Ui IEC/EN		V	250
Rated impulse withstand voltage Uimp		kV	6
IEC Conventional free air thermal current Ith ≤ 40°C		A	10
Rated current (In)		A	10
Rated operating power AC-1		VA	2500
Rated operating power AC-15	230 VAC	VA	500
Single-phase motor control	230VAC	kW	1.2
Rated operating current DC-1	30V	A	10
Minimum switching load		V / mA	5 / 100
Contact impedance		mΩ	100
Contact material			Ag/Ni
Operating times			
Closing		ms	<30
Opening		ms	<30
Operations			
Mechanical life		cycles	5000000
Electrical life AC1		cycles	100000
Coil characteristics			
Relay control voltage		V	24VAC
Average coil consumption AC at 20°C		VA	3
Average coil consumption DC at 20°C		W	1.5
Operating range			
	Closing	% Un	70...110
	Opening	% Un	20…55
Maximum cycle frequency		cycles/h	3600
Mechanical features			
Max socket terminal tightening torque		Nm	0.6
Socket screw tightening tool (cross / flat blade)			PH1 / 4.5mm
Conductor section			
AWG/Kcmil			
	min		20
	max		14
IEC			
	min	mm²	0.5
	max	mm²	2.5
Operating position			
	normal		Any

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Fixing			On 35mm DIN rail and with screw

Ambient conditions

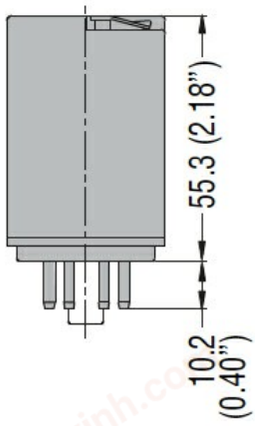
Temperature

Operating temperature			
	min	°C	-40
	max	°C	+55
Storage temperature			
	min	°C	-40
	max	°C	+70

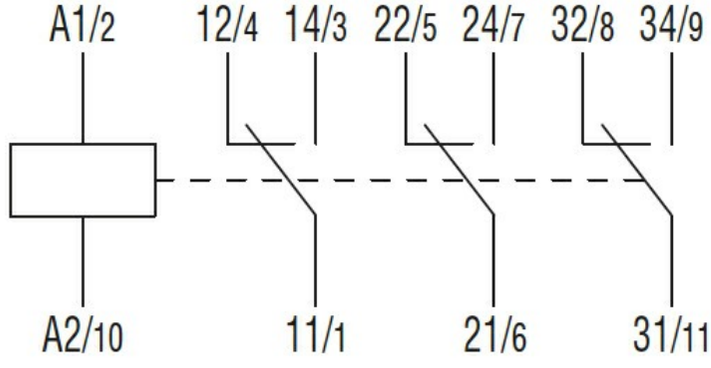
Other features

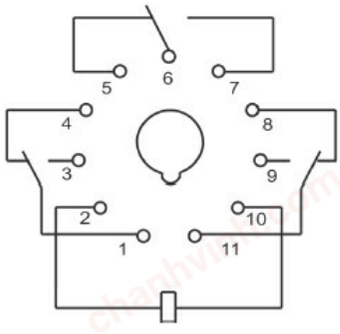
Indication	Yes
Mechanical contact position indicator	Yes
Mechanical test actuator	Yes

Dimensions



Wiring diagrams





Certifications and compliance

Compliance

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	IEC/EN 61810
Certificates	
	CSA
	cURus
	EAC

ETIM classification

ETIM 8.0	EC001437 - Switching relay

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