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Lovato electric
ENERGY AND AUTOMATION

HR604CD024

INDUSTRIAL RELAY WITH LED STATE INDICATOR AND MECHANICAL ACTUATOR, 24VDC, 5A, 4 C/O CONTACT. FITTING ON SOCKET HR6XS4...



Contact characteristics			
Contact configuration			4 C/O
Rated insulation voltage Ui IEC/EN		V	500
Rated impulse withstand voltage Uimp		kV	4
IEC Conventional free air thermal current Ith ≤ 40°C		A	5
Rated current (In)		A	5
Max contrallable power in			
	AC-1	W	5
Rated operating power AC-1			
		VA	1250
Rated operating power AC-15			
	230 VAC	VA	150
Single-phase motor control			
	230VAC	kW	0.37
Rated operating current DC-1			
	30V	A	8
	110V	A	0.3
	220V	A	0.1
Minimum switching load		V / mA	5 / 100
Contact impedance		mΩ	100
Contact material			Ag/Ni
Operating times			
Closing		ms	<25
Opening		ms	<25
Operations			
Mechanical life		cycles	20000000
Electrical life AC1		cycles	100000
Coil characteristics			
Relay control voltage		V	24VDC
Average coil consumption AC at 20°C		VA	1.7
Average coil consumption DC at 20°C		W	1.1
Operating range			
	Closing	% Un	75…110
	Opening	% Un	10…30
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

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Operating position			
	normal		Any
Fixing			On 35mm DIN rail and with screw

Ambient conditions

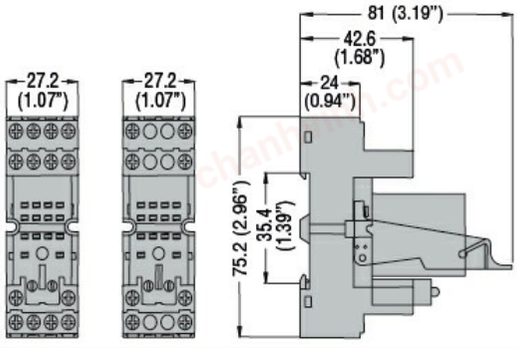
Temperature			
Operating temperature			
	min	°C	-40
	max	°C	+70
Storage temperature			
	min	°C	-40
	max	°C	+80

Other features

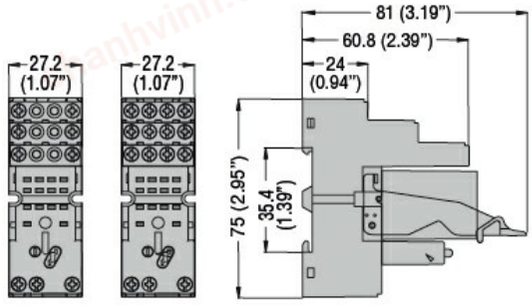
Indication	Yes
Mechanical contact position indicator	Yes
Mechanical test actuator	Yes

Dimensions

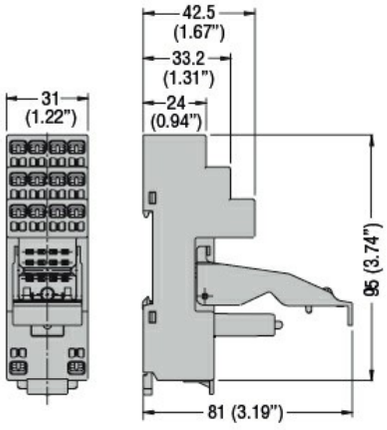
HR60 2C... with socket HR6XS21 - HR6XS22



HR60 4C... with socket HR6XS41 - HR6XS42



HR60 2C... - HR60 4C... with socket HR6XS21S - HR6XS41S



Wiring diagrams

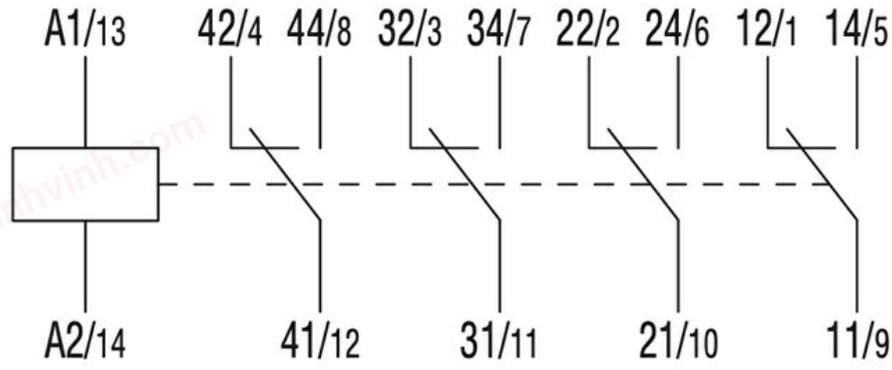
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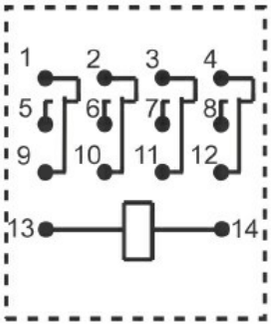
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Certifications and compliance

Compliance

IEC/EN 61810

Certificates

CSA

cURus

EAC

VDE

ETIM classification

ETIM 8.0

EC001437 - Switching relay

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