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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...



Product designation			INDUSTRIAL RELAYS
Product type designation			HR604C
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		A	5
Rated current (In)		A	5
Relay control voltage		V	24VDC
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			
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

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	IEC			
		min	mm²	0.5
		max	mm²	2.5
Operating position				
		normal		Any
Fixing				On 35mm DIN rail and with screw

Ambient conditions

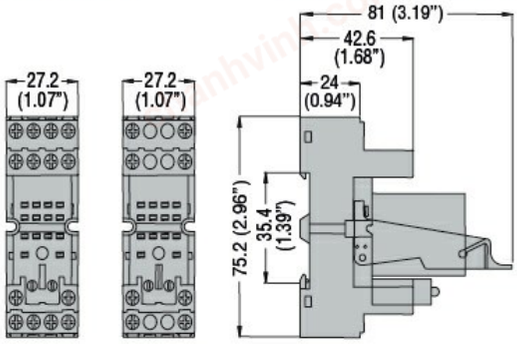
Temperature				
	Operating temperature			
		min	°C	-40
		max	°C	+70
	Storage temperature			
		min	°C	-40
		max	°C	+80

Other features

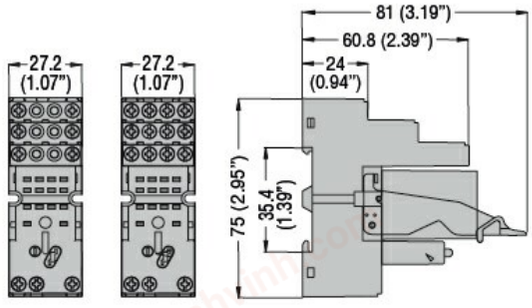
Indication	Yes
Mechanical contact position indicator	Yes
Mechanical test actuator	Yes

Dimensions

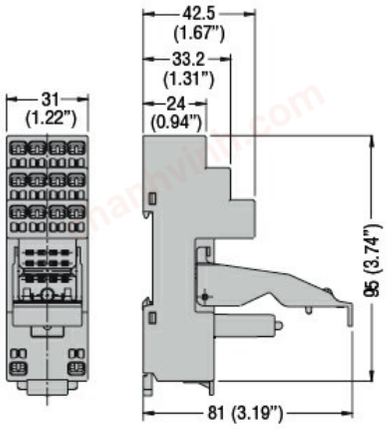
HR60 2C... with socket HR6XS21 - HR6XS22



HR60 4C... with socket HR6XS41 - HR6XS42



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



Wiring diagrams

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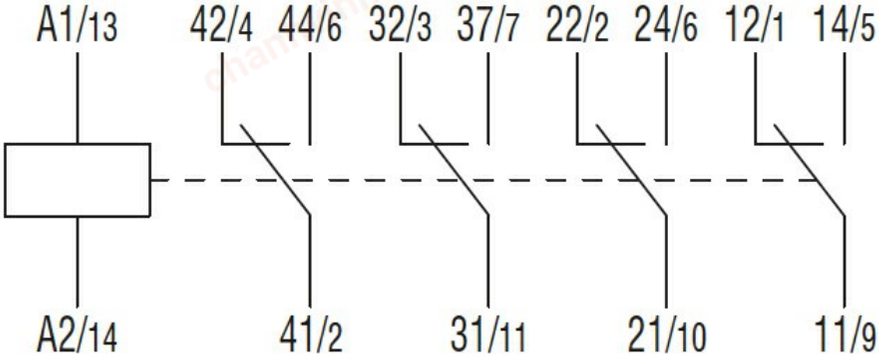

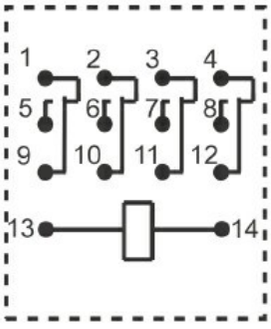

Certifications and compliance

Compliance

IEC/EN 61810

Certificates

CSA

cURus

EAC

VDE

ETIM classification

ETIM 8.0

EC001437 - Switching relay

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