



Product designation

INDUSTRIAL  
RELAYS  
HR604C

Product type designation

**Contact characteristics**

Contact configuration			4 C/O
Rated insulation voltage $U_i$ IEC/EN	V		500
Rated impulse withstand voltage $U_{imp}$	kV		4
IEC Conventional free air thermal current $I_{th}$	A		5
Rated current ( $I_n$ )	A		5
Relay control voltage	V		24VAC
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	% $U_n$	70...110
Opening	% $U_n$	20...55

Maximum cycle frequency	cycles/h		3600
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**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	mm <sup>2</sup>	0.5
max	mm <sup>2</sup>	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	+70

Storage temperature

min	°C	-40
max	°C	+80

## Other features

Indication

Yes

Mechanical contact position indicator

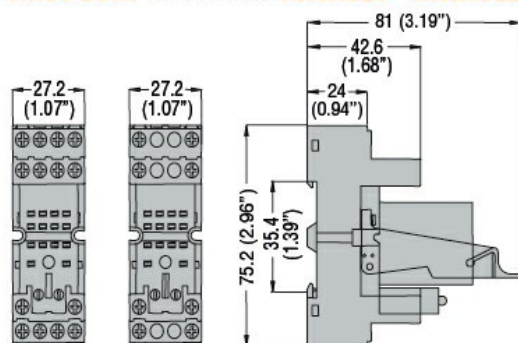
Yes

Mechanical test actuator

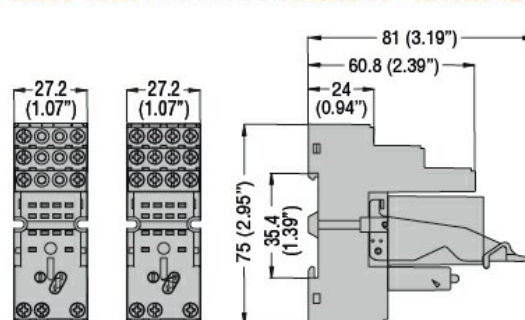
Yes

## Dimensions

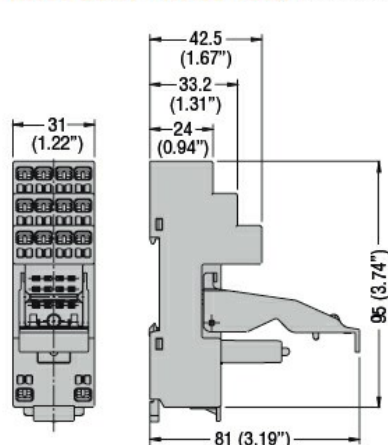
**HR60 2C... with socket HR6XS21 - HR6XS22**



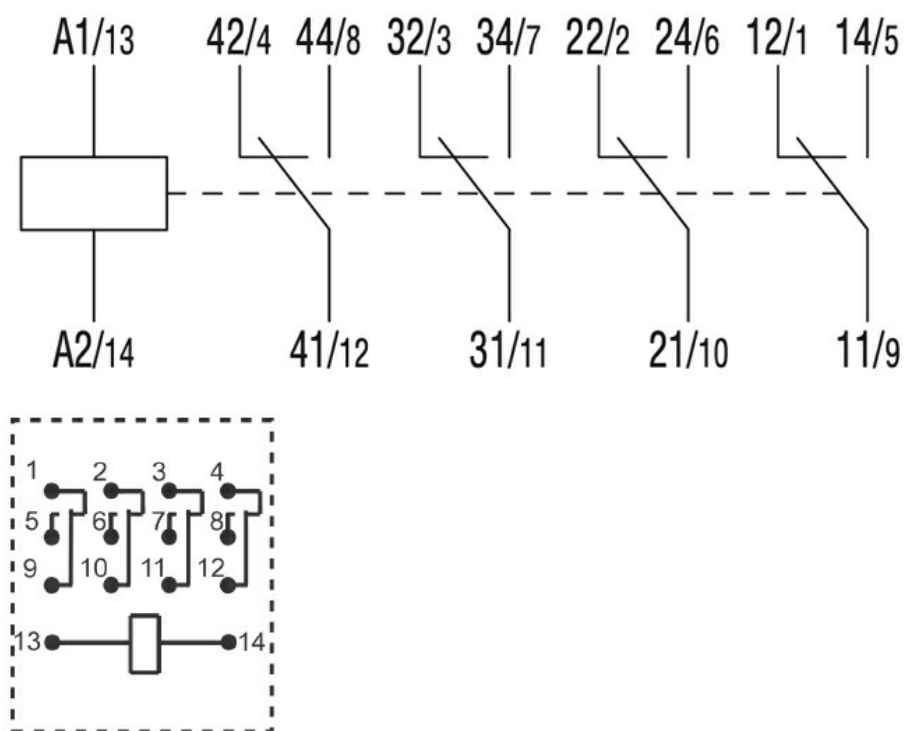
**HR60 4C... with socket HR6XS41 - HR6XS42**



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



## Wiring diagrams



## Certifications and compliance

### Compliance

IEC/EN 61810

### Certificates

CSA

cURus

EAC

VDE

## ETIM classification

ETIM 8.0

EC001437 -  
Switching relay