



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 230VAC
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

**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

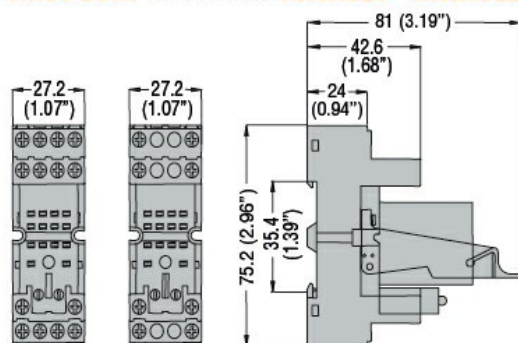
Yes

Mechanical test actuator

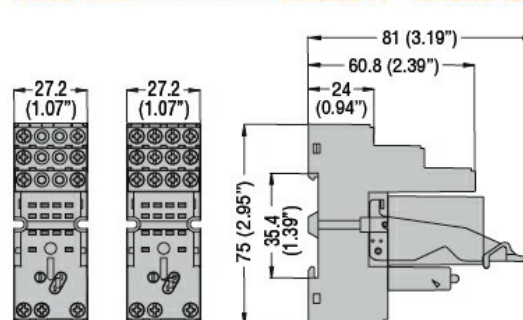
Yes

## Dimensions

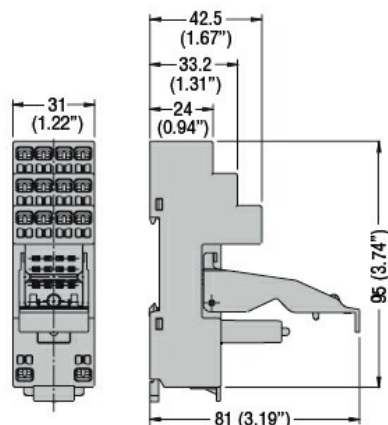
**HR60 2C... with socket HR6XS21 - HR6XS22**



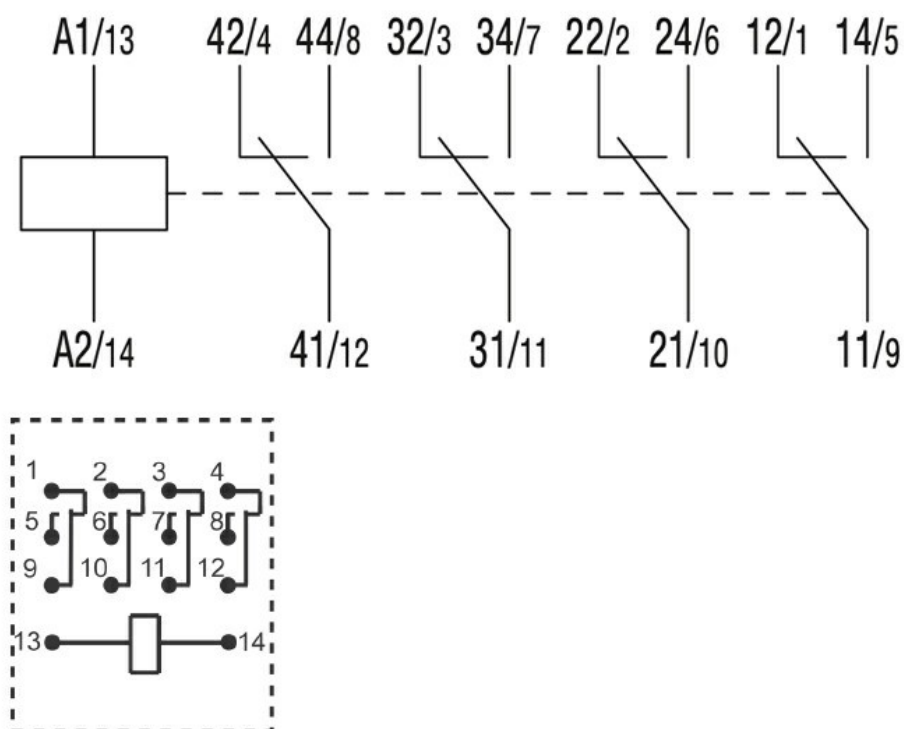
**HR60 4C... with socket HR6XS41 - HR6XS42**



**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