



INDUSTRIAL  
RELAYS  
HR604C

Product designation

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 24VDC

Max contrrollable 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 %  $U_n$  75...110  
Opening %  $U_n$  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	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

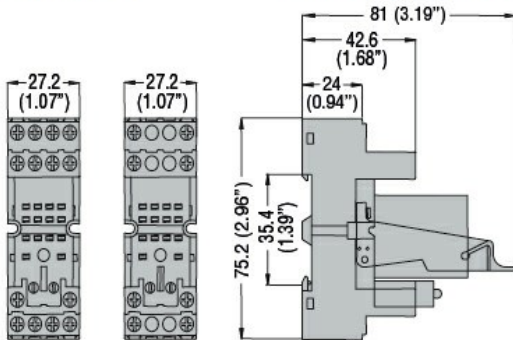
Yes

Mechanical test actuator

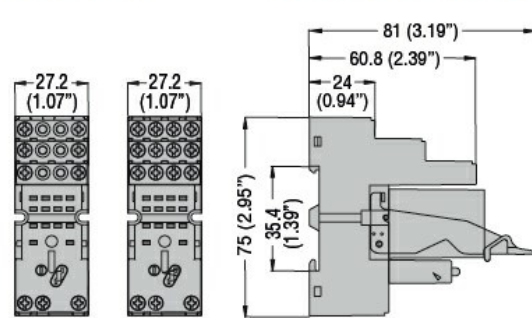
Yes

**Dimensions**

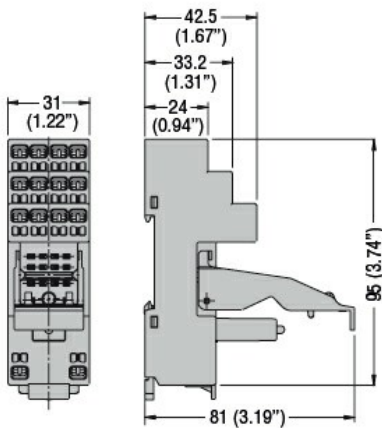
**HR60 2C... with socket HR6XS21 - HR6XS22**



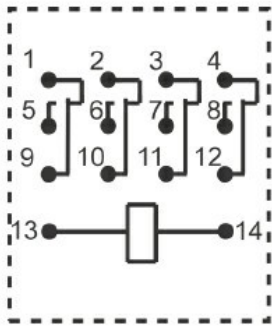
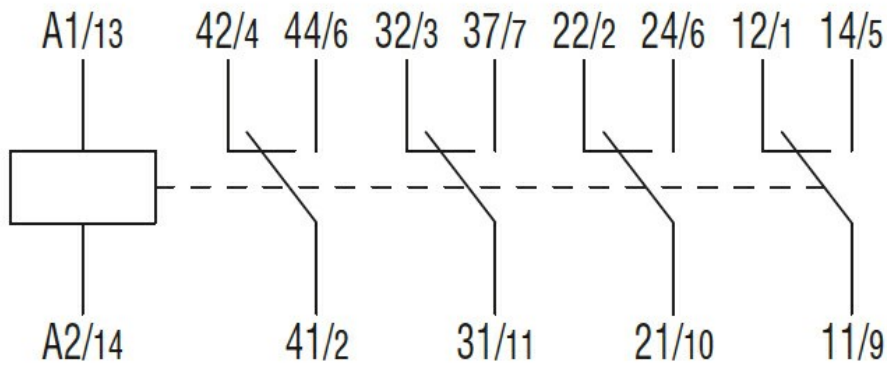
**HR60 4C... with socket HR6XS41 - HR6XS42**



**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