



|                                                   |                   |       |          |
|---------------------------------------------------|-------------------|-------|----------|
| Product designation                               | INDUSTRIAL RELAYS |       |          |
| Product type designation                          | HR602C            |       |          |
| Contact characteristics                           |                   |       |          |
| Contact configuration                             | 2 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                 | 7     |          |
| Rated current (In)                                | A                 | 7     |          |
| Relay control voltage                             | V                 | 48VDC |          |
| Max contrallable power in                         | AC-1              | W     | 7        |
| Rated operating power AC-1                        |                   | VA    | 1750     |
| Rated operating power AC-15                       | 230 VAC           | VA    | 150      |
| Single-phase motor control                        | 230VAC            | kW    | 0.37     |
| Rated operating current DC-1                      | 30V               | A     | 12       |
|                                                   | 110V              | A     | 0.3      |
|                                                   | 220V              | A     | 0.1      |
| Minimum switching load                            | V / mA            |       | 5 / 100  |
| Contact impedance                                 | mO                |       | 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    |          |

IEC

|     |                 |     |
|-----|-----------------|-----|
| min | mm <sup>2</sup> | 0.5 |
| max | mm <sup>2</sup> | 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

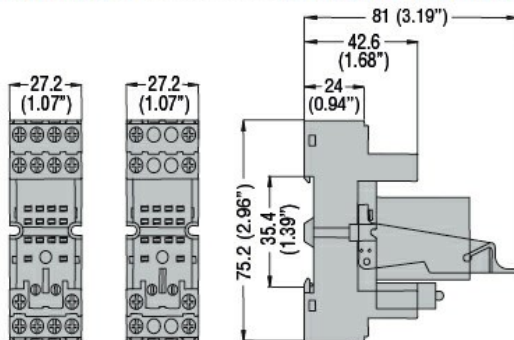
Yes

Mechanical test actuator

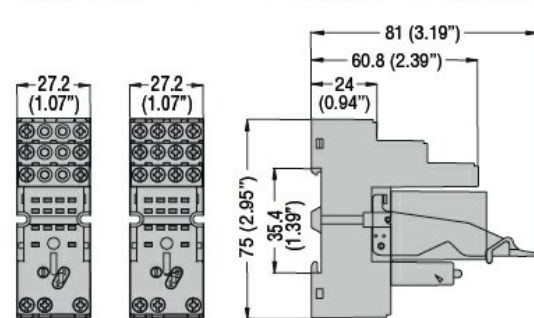
Yes

### Dimensions

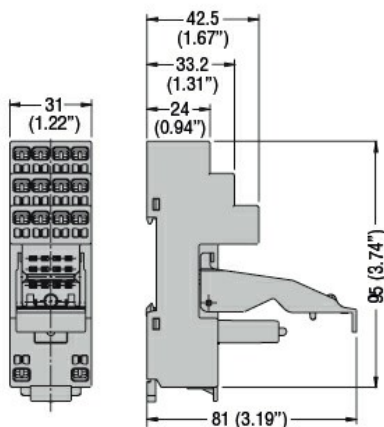
**HR60 2C... with socket HR6XS21 - HR6XS22**



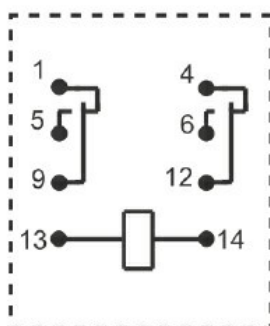
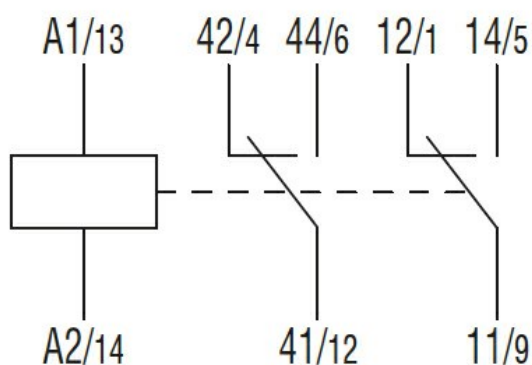
**HR60 4C... with socket HR6XS41 - HR6XS42**



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



### Wiring diagrams



## Certifications and compliance

### Compliance

IEC/EN 61810

### Certificates

CSA

cURus

EAC

VDE

## ETIM classification

ETIM 8.0

EC001437 -  
Switching relay