HR101CE024



Slim electromechanical relay, 24VDC, 6A, 1 C/O contact. 24VAC/DC control when on HR1XS024 or HR1XS024S socket



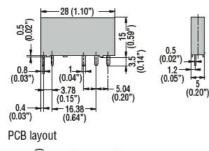
| Product designation                               |         |          | SLIM RELAY         |
|---|---------|----------|--------------------|
| Product type designation                          |         |          | HR10               |
| Contact characteristics                           |         |          |                    |
| Contact configuration                             |         |          | 1 C/O              |
| Rated insulation voltage Ui IEC/EN                |         | V        | 250                |
| Rated impulse withstand voltage Uimp              |         | kV       | 4                  |
| IEC Conventional free air thermal current Ith     |         | А        | 6                  |
| Maximum instantaneous current                     |         | Α        | 20 (500ms)         |
| Rated current (In)                                |         | А        | 6                  |
| Relay control voltage                             |         | V        | 24VDC;<br>24VAC/DC |
| UL/CSA and IEC/EN 60947-5-1 designation           |         |          | B300 – R300        |
|   |         |          | 6A 277VAC; 6A      |
| UL rating   |         |          | 30VDC              |
| Max contrallable power in                         |         |          |                    |
|   | AC-1    | W        | 1500               |
|   | AC-15   | VA       | 360                |
| Rated operating power AC-1                        |         |          |                    |
|   |         | VA       | 1500               |
| Rated operating power AC-15                       |         |          |                    |
|   | 230 VAC | VA       | 360                |
| Single-phase motor control                        |         |          |                    |
|   | 230VAC  | kW       | 0.186              |
| Rated operating current DC-1                      |         |          |                    |
|   | 30V     | А        | 6                  |
|   | 110V    | А        | 0.2                |
|   | 220V    | А        | 0.12               |
| Minimum switching load                            |         | V/mA     | 5 / 100            |
| Contact impedance                                 |         | mΩ       | 100                |
| Contact material                                  |         |          | Ag/Ni              |
| Operating times                                   |         |          |                    |
| Closing   |         | ms       | ≤8                 |
| Opening   |         | ms       | ≤4                 |
| Operations  |         |          |                    |
| Mechanical life                                   |         | cycles   | 1000000            |
| Electrical life AC1                               |         | cycles   | 30000              |
| Coil characteristics                              |         |          |                    |
| Average coil consumption DC at 20°C               |         | W        | 0.2                |
| Operating range                                   |         |          |                    |
|   | Closing | % Un     | ≥75                |
|   | Opening | % Un     | ≥5                 |
| Maximum cycle frequency                           |         | cycles/h | 10000              |
| Mechanical features                               |         |          |                    |
| Max socket terminal tightening torque             |         | Nm       | 0.5                |
| Socket screw tightening tool (cross / flat blade) |         |          | PH0 / 3.5mm        |

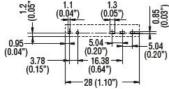
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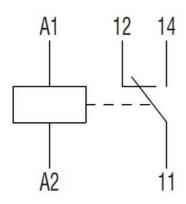
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| Conductor section        |                       |        |     |                        |
|--------------------------|-----------------------|--------|-----|------------------------|
|                          | AWG/Kcmil             |        |     |                        |
|                          |                       | min    |     | 20                     |
|                          |                       | max    |     | 16                     |
|                          | IEC                   |        |     |                        |
|                          |                       | min    | mm² | 0.5                    |
|                          |                       | max    | mm² | 1.5                    |
| Operating position       |                       |        |     |                        |
|                          |                       | normal |     | Any                    |
| Fixing                   |                       |        |     | On 35mm DIN            |
|                          |                       |        |     | rail                   |
| Ambient conditions       |                       |        |     |                        |
| Temperature              | Operating temperature |        |     |                        |
|                          | Operating temperature | min    | °C  | -40                    |
|                          |                       | max    | °Č  | +70                    |
|                          | Storage temperature   |        |     |                        |
|                          | <u> </u>              | min    | °C  | -40                    |
|                          |                       | max    | °C  | +80                    |
| Other features           |                       |        |     |                        |
| Indication               |                       |        |     | Yes (on the<br>socket) |
| Mechanical contact       | position indicator    |        |     | No                     |
| Mechanical test actuator |                       |        |     | No                     |
| Dimensions               |                       |        |     |                        |





## Wiring diagrams



## Certifications and compliance

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## Compliance

|                     | IEC/EN 61810 |            |
|---------------------|--------------|------------|
| Certificates        |              |            |
|                     | CSA          |            |
|                     | cURus        |            |
|                     | EAC          |            |
|                     | VDE          |            |
| ETIM classification |              |            |
|                     |              | EC001437 - |

ETIM 8.0

EC001437 -Switching relay