

**JACKPAC  
JPR 24VDC 1CO M12****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

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Germany

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**Product image**

The JPR relays in their IP 68 JACKPAC enclosures are available with and without electrical isolation. The switching amplifier amplifies 24 Vdc switch outputs to max. 2 A. The switching voltage at the output is fed via a T-junction.

**General ordering data**

|            |                                                                                                                                                               |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type       | JPR 24VDC 1CO M12                                                                                                                                             |
| Order No.  | <a href="#">8771420000</a>                                                                                                                                    |
| Version    | JACKPAC, Relay module, Number of contacts: 1, CO contact AgSnO, Rated control voltage: 24 V DC $\pm 20\%$ , Continuous current: 2 A, M12 plug/socket, A-coded |
| GTIN (EAN) | 4032248439621                                                                                                                                                 |
| Qty.       | 1 pc(s).                                                                                                                                                      |

Creation date August 8, 2020 10:34:44 AM CEST

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**Technical data**
**Dimensions and weights**

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Length     | 83 mm   | Length (inches) | 3.268 inch |
| Width      | 36 mm   | Width (inches)  | 1.417 inch |
| Height     | 14.4 mm | Height (inches) | 0.567 inch |
| Net weight | 53.5 g  |                 |            |

**Temperatures**

|                             |                |                             |                |
|-----------------------------|----------------|-----------------------------|----------------|
| Operating temperature, max. | 70 °C          | Operating temperature, min. | -25 °C         |
| Storage temperature, max.   | 70 °C          | Storage temperature, min.   | -25 °C         |
| Operating temperature       | -25 °C...70 °C | Storage temperature         | -25 °C...70 °C |

**Environmental Product Compliance**

|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

**Input**

|                                |                    |                                |                     |
|--------------------------------|--------------------|--------------------------------|---------------------|
| Rated control voltage          | 24 V DC $\pm$ 20 % | Rated current DC               | 8 mA                |
| Power rating                   | 200 mW             | Pull-in/drop-out voltage, typ. | 16.8 V / 1.2 V DC   |
| Pull-in/drop-out current, typ. | 5 mA / 1 mA DC     | Protective circuit             | Free-wheeling diode |

**Control side**

|                       |                     |              |        |
|-----------------------|---------------------|--------------|--------|
| Rated control voltage | 24 V DC $\pm$ 20 %  | Power rating | 200 mW |
| Protective circuit    | Free-wheeling diode |              |        |

**Output**

|                                         |             |                      |                                         |
|-----------------------------------------|-------------|----------------------|-----------------------------------------|
| Max. switching voltage, DC              | 24 V        | Continuous current   | 2 A                                     |
| DC switching capacity (resistive), max. | 48 W @ 24 V | Switch-on delay      | $\leq$ 6 ms                             |
| Switch-off delay                        | $\leq$ 6 ms | Min. switching power | 1 mA @ 24 V, 10 mA @ 10 V, 100 mA @ 5 V |
| Max. switching frequency at rated load  | 0.1 Hz      |                      |                                         |

**Load side**

|                    |             |                 |             |
|--------------------|-------------|-----------------|-------------|
| Continuous current | 2 A         | Switch-on delay | $\leq$ 6 ms |
| Switch-off delay   | $\leq$ 6 ms |                 |             |

**Contact data**

|              |                      |                         |                                       |
|--------------|----------------------|-------------------------|---------------------------------------|
| Contact type | 1 CO contact (AgSnO) | Mechanical service life | 10 x 10 <sup>6</sup> switching cycles |
|--------------|----------------------|-------------------------|---------------------------------------|

**General data**

|        |      |                           |     |
|--------|------|---------------------------|-----|
| Colour | grey | UL 94 flammability rating | V-0 |
|--------|------|---------------------------|-----|

**Insulation coordination**

|                        |       |                    |      |
|------------------------|-------|--------------------|------|
| Rated voltage          | 300 V | Pollution severity | 2    |
| Surge voltage category | III   | Protection degree  | IP67 |

# JACKPAC

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## Technical data

### Further details of approvals / standards

|                         |         |
|-------------------------|---------|
| Certificate no. (cULus) | E141197 |
|-------------------------|---------|

### Connection data

|                        |                          |
|------------------------|--------------------------|
| Wire connection method | M12 plug/socket, A-coded |
|------------------------|--------------------------|

### Ratings IECEx/ATEX/cUL

|                         |         |
|-------------------------|---------|
| Certificate no. (cULus) | E141197 |
|-------------------------|---------|

### Classifications

|             |             |            |             |
|-------------|-------------|------------|-------------|
| ETIM 6.0    | EC001437    | ETIM 7.0   | EC001437    |
| eClass 9.0  | 27-37-16-01 | eClass 9.1 | 27-37-16-01 |
| eClass 10.0 | 27-37-16-01 | UNSPSC     | 30-21-19-17 |

### Approvals

Approvals



|      |         |
|------|---------|
| ROHS | Conform |
|------|---------|

### Downloads

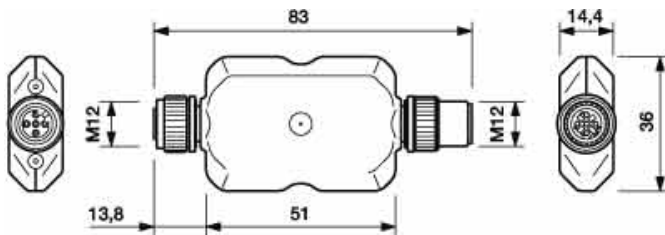
|                    |                                                                         |
|--------------------|-------------------------------------------------------------------------|
| Brochure/Catalogue | <a href="#">CAT 8 SAI 15/16 EN</a><br><a href="#">FL FIELDWIRING EN</a> |
| Engineering Data   | <a href="#">EPLAN, WSCAD</a>                                            |
| Engineering Data   | <a href="#">STEP</a>                                                    |

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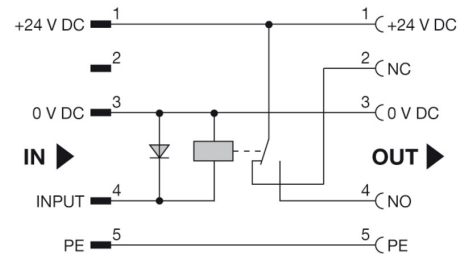
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# Drawings

## Dimensional drawing



## Electric symbol



## Pinning

