

## JACKPAC JPR 24VDC 1CO M12

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
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 www.weidmueller.com

### 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 ±20 %, Continuous current: 2 A, M12 plug/ socket, A-coded
GTIN (EAN)	4032248439621
Qty.	1 pc(s).

Creation date May 1, 2020 6:29:54 AM CEST

Catalogue status 17.04.2020 / We reserve the right to make technical changes.

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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
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**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
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**General data**

Colour	grey	UL 94 flammability rating	V-0
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**Insulation coordination**

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

## Data sheet

### JACKPAC JPR 24VDC 1CO M12

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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

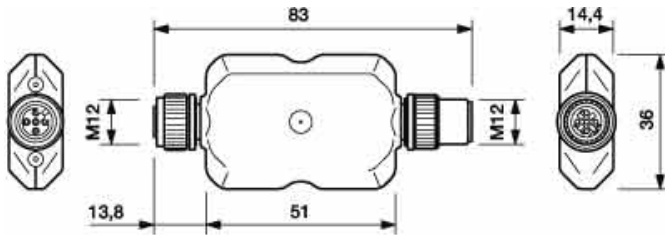
Brochure/Catalogue	<a href="#">CAT 8 SAI 15/16 EN</a> <a href="#">FL FIELDWIRING EN</a>
Engineering Data	<a href="#">EPLAN, WSCAD</a>
Engineering Data	<a href="#">STEP</a>

**JACKPAC  
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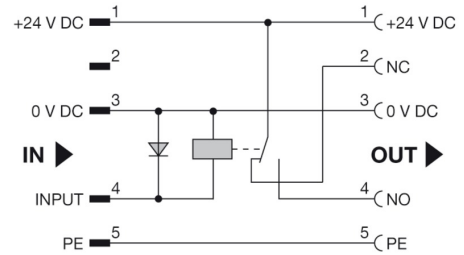
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**Drawings**

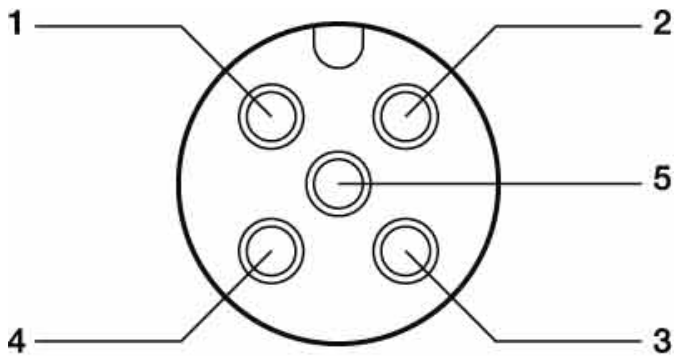
**Dimensional drawing**



**Electric symbol**



**Pinning**



**Data sheet**

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**Accessories**

**Tool**



Tools for stripping the sheathing from uncut power lines and outlet lines, plus screwdrivers for installing Pick-to-Light components.

**General ordering data**

Type	SCREWTY-M12-DM	Version
Order No.	<a href="#">1900001000</a>	Tools, Cable gland tool for moulded M12 lines
GTIN (EAN)	4032248436408	
Qty.	1 pc(s).	

**JACKPAC® Zubehör**



Weidmüller is now one of the industry's leading international providers of connectors. An important mainstay in this product family are the circular connectors, which Weidmüller groups under the product name SAI. In the development of SAI products, Weidmüller engineers have always concentrated on achieving rational, cost-effective installation concepts, and – in cooperation with major users – have supplied the markets with well-conceived products which set standards in terms of functionality and quality across the globe. An example is the Jackpac® product family. These modules are waterproof signal converters.

**General ordering data**

Type	JP CLIP M	Version
Order No.	<a href="#">8778490000</a>	JACKPAC, Relay module
GTIN (EAN)	4032248448418	
Qty.	10 pc(s).	

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**Accessories**
**Y-distributors**


Individual cable lengths are often required nowadays. In order to meet these demands, Weidmüller offers a wide range of plug-in connectors for custom assembly. Y-distributors are used to bundle and distribute multiple signals to save space.

**General ordering data**

Type	SAI-Y-5S PARA 2M12	Version
Order No.	<a href="#">1783430000</a>	Y-plug, M12 / M12
GTIN (EAN)	4032248183364	
Qty.	1 pc(s).	

**PUR halogen-free black (U)**


Sensor/actuator cables are used for wiring sensors and actuators and for transmitting data or power in various applications. The moulded cable offers connected and tested connection of the plug-in connector to the cable ex-works. The cables may be exposed to a wide range of conditions, such as humidity, dust, heat, cold, shock or vibration.

Our developers have focused specifically on this issue and designed a host of different M8 and M12 sensor-actuator cables so you are bound to find the solution you need for your application.

Is there something you have not managed to find or you feel needs explanation? Talk to us!

**General ordering data**

Type	SAIL-M12GM12G-5-0.3U	Version
Order No.	<a href="#">9457340030</a>	Sensor/actuator line, Connecting line, M12 / M12, Number of poles :
GTIN (EAN)	4008190311230	5, 0.3 m, pin, straight - socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Qty.	1 pc(s).	
Type	SAIL-M12GM12G-5-0.6U	Version
Order No.	<a href="#">9457340060</a>	Sensor/actuator line, Connecting line, M12 / M12, Number of poles :
GTIN (EAN)	4008190311247	5, 0.6 m, pin, straight - socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Qty.	1 pc(s).	
Type	SAIL-M12GM12G-5-1.5U	Version
Order No.	<a href="#">9457340150</a>	Sensor/actuator line, Connecting line, M12 / M12, Number of poles :
GTIN (EAN)	4008190311278	5, 1.5 m, pin, straight - socket, straight, Shielded: No, LED: No, Sheath material: PUR, Halogen: No
Qty.	1 pc(s).	