

**JPP NPN PNP 24VDC****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

The JPP level converters convert NPN signals into PNP signals and vice versa. This guarantees optimum adaptation to existing circuits.

**General ordering data**

|            |   |
|------------|---|
| Version    | JACKPAC, Level converter, Rated control voltage: 18...24...30 V DC , Rated switching voltage: 18...30 V DC, Continuous current: 0.4 A, M12 plug/socket, A-coded |
| Order No.  | <a href="#">8852350000</a>  |
| Type       | JPP NPN PNP 24VDC   |
| GTIN (EAN) | 4032248567355   |
| Qty.       | 1 pc(s).  |

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## Technical data

## Dimensions and weights

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Height     | 14.4 mm | Height (inches) | 0.567 inch |
| Width      | 36 mm   | Width (inches)  | 1.417 inch |
| Length     | 83 mm   | Length (inches) | 3.268 inch |
| Net weight | 50 g    |                 |            |

## Temperatures

|                     |                |                       |              |
|---------------------|----------------|-----------------------|--------------|
| Storage temperature | -20 °C...85 °C | Operating temperature | 0 °C...60 °C |
|---------------------|----------------|-----------------------|--------------|

## Input

|                       |                   |                       |              |
|-----------------------|-------------------|-----------------------|--------------|
| Rated control voltage | 18...24...30 V DC | Rated control voltage | 18...30 V DC |
|-----------------------|-------------------|-----------------------|--------------|

## Control side

|                          |                   |        |                                    |
|--------------------------|-------------------|--------|------------------------------------|
| Rated control voltage    | 18...24...30 V DC | Sensor | 2-/ 3-Conductor Sensor<br>NPN-type |
| Input current for sensor | <200 mA           |        |                                    |

## Output

|                         |              |       |
|-------------------------|--------------|-------|
| Continuous current      | Current      | 0.4 A |
| Rated switching voltage | min.         | 30 V  |
|                         | max.         | 18 V  |
|                         | Voltage type | DC    |
| Rated switching voltage | 18...30 V DC |       |
| Continuous current      | 0.4 A        |       |

## Load side

|                         |              |                           |       |
|-------------------------|--------------|---------------------------|-------|
| Rated switching voltage | 18...30 V DC | Continuous current        | 0.4 A |
| Rated switching current | 400 mA       | Voltage drop at max. load | ≤ 1 V |

## General data

|         |                                  |        |      |
|---------|----------------------------------|--------|------|
| Version | Jackpac IP67 with M12 connection | Colour | grey |
|---------|----------------------------------|--------|------|

## Insulation coordination

|                        |      |                           |       |
|------------------------|------|---------------------------|-------|
| Rated voltage          | 32 V | Pollution severity        | 2     |
| Surge voltage category | I    | Impulse withstand voltage | 500 V |
| Protection degree      | IP67 |                           |       |

## Further details of approvals / standards

|           |                     |                         |         |
|-----------|---------------------|-------------------------|---------|
| Standards | DIN EN 50178, UL508 | Certificate no. (cULus) | E141197 |
|-----------|---------------------|-------------------------|---------|

## Connection data

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

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## Technical data

## output

Switching voltage, max. 18...30 V DC

## Ratings IECEx/ATEX/cUL

Certificate no. (cULus) E141197

## Technical specifications for cable

Number of poles 1 Shielded No

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001134    | ETIM 7.0    | EC001134    |
| ETIM 8.0    | EC001134    | ETIM 9.0    | EC001134    |
| ECLASS 9.0  | 19-17-92-90 | ECLASS 9.1  | 27-21-91-90 |
| ECLASS 10.0 | 19-17-92-90 | ECLASS 11.0 | 19-17-90-90 |
| ECLASS 12.0 | 19-17-90-90 | ECLASS 13.0 | 19-17-90-90 |
| ECLASS 14.0 | 19-17-90-90 |             |             |

## Environmental Product Compliance

RoHS Compliance Status Compliant  
REACH SVHC Lead 7439-92-1

## Approvals

Approvals

ROHS Conform  
UL File Number Search UL Website  
Certificate no. (cULus) E141197

## Downloads

Engineering Data [CAD data – STEP](#)  
Catalogues [Catalogues in PDF-format](#)  
Brochures [FL FIELDWIRING EN](#)  
[FL FIELDWIRING EN](#)

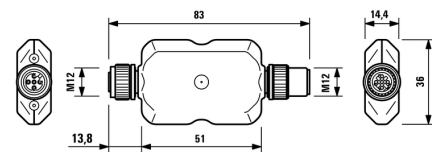
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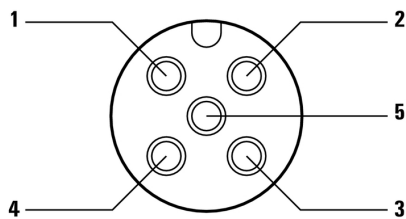
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## Drawings

### Dimensioned drawing



### Pinning



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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Distributors****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-5-1.5U       | 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 |
| Qty.       | 1 pc(s).                   | material: PUR, Halogen: No  |
| 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 |
| Qty.       | 1 pc(s).                   | material: PUR, Halogen: No  |
| 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 |
| Qty.       | 1 pc(s).                   | material: PUR, Halogen: No  |

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## Accessories

## 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).                  |                       |

## Screwty® cable gland tool with torque function



## The ideal tool for any application

Screwty® is the ideal, all-purpose tool for tightening all common sensor and actuator cables. Even difficult-to-reach round plugs are accessible using the Screwty®. A simple turning movement tightens and loosens the connectors without the need for excessive force. The Screwty® is a unique and global solution since it fits with most cables and plugs from other vendors (over 90 %). The Screwty® consists of a handle with a conventional 1/4" adapter. Thus it can be used for all sizes: for M12 and M8 round plug-in connectors, and for M12F and M8F customisable plugs and sockets, as well as for all M23 plugs and sockets.

## General ordering data

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