Data sheet

JPP PNP NPN 24VDC

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



RoHS COMPLIANT

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.	8857030000
Type	JPP PNP NPN 24VDC
GTIN (EAN)	4032248573332
Qty.	1 items

Data sheet

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Technical data

Approvals

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

Dimensions and weights

Height	14.4 mm	Height (inches)	0.5669 inch
Width	36 mm	Width (inches)	1.4173 inch
Length	83 mm	Length (inches)	3.2677 inch
Net weight	39.5 g		

Temperatures

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

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	7a, 7cI
REACH SVHC	Lead 7439-92-1
SCIP	e07945fd-9150-48b3-990d-28d78ed7c6c9

Input

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

Control side

Rated control voltage	18...24...30 V DC	Sensor	2-/ 3-Conductor Sensor PNP-Type
Input current for sensor	<200 mA		

Output

Continuous current	Current	0.4 A
Rated switching voltage	min.	30 V
	Voltage type	DC
	max.	18 V
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	≤ 0.3 V

General data

Colour	grey

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Insulation coordination

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

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

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

Connection data

Wire connection method	M12 plug/socket, A-coded

output

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

Ratings IECEx/ATEX/cUL

Certificate no. (cULus)	E141197

Technical specifications for cable

Shielded	No	Number of poles	1

Classifications

ETIM 8.0	EC001134	ETIM 9.0	EC001134
ETIM 10.0	EC001134	ECLASS 14.0	19-17-90-90
ECLASS 15.0	19-17-90-90		

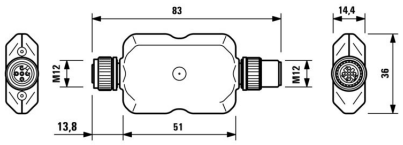
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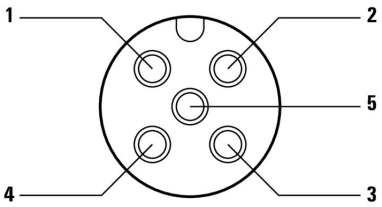
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Drawings

Dimensioned drawing



Pinning



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Accessories

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.	9457340030	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 ST	material: PUR, Halogen: No
Type	SAIL-M12GM12G-5-0.6U	Version
Order No.	9457340060	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 ST	material: PUR, Halogen: No
Type	SAIL-M12GM12G-5-1.5U	Version
Order No.	9457340150	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 ST	material: PUR, Halogen: No

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
Order No.	1900001000	Cable gland tool for moulded M12 lines
GTIN (EAN)	4032248436408	
Qty.	1 ST	

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Accessories

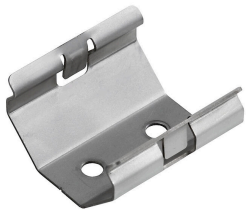
Distributors



General ordering data

Type	SAI-Y-5S PARA 2M12	Version
Order No.	1783430000	Y-plug, M12, Signal distributor
GTIN (EAN)	4032248183364	
Qty.	1 ST	

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.	8778490000	JACKPAC, Relay module
GTIN (EAN)	4032248448418	
Qty.	10 ST	