Data sheet

JPR 24VDC ISO 1CO M12

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

www.weidmueller.com

Product image, Similar to illustration



Similar to illustration

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

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
Order No.	8771430000
Type	JPR 24VDC ISO 1CO M12
GTIN (EAN)	4032248439638
Qty.	1 items

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Technical data

Approvals

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

Dimensions and weights

Depth	83 mm	Depth (inches)	3.2677 inch
Height	14.4 mm	Height (inches)	0.5669 inch
Width	36 mm	Width (inches)	1.4173 inch
Net weight	50.5 g		

Temperatures

Storage temperature	-25 °C...70 °C	Ambient temperature	-25 °C...70 °C
Operating temperature			

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	7a
REACH SVHC	Lead 7439-92-1
SCIP	066f3ba0-f03f-48d2-9b27-b897c98936ad

Input

Rated control voltage	24 V DC ±20 %	Rated control voltage	24 V DC ± 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
Status indicator	No	Protective circuit	Free-wheeling diode

Control side

Rated control voltage	24 V DC ±20 %	Power rating	200 mW
Status indicator	No	Protective circuit	Free-wheeling diode

Output

Continuous current	Current	2 A	
Switching voltage (AC), max.	48 V		
Switching voltage (DC), max.	24 V		
Continuous current	2 A		
AC switching capacity (resistive), max.	48 VA @ 48 V		
Switching capacity (AC), max.	48 VA		
Switching capacity	48 V		
DC switching capacity (resistive), max.	48 W @ 24 V		
Switching capacity (DC), max.	48 W		
Switching capacity	24 V		
Switch-on delay	approx. 5 ms		
Switch-on delay	Time	nominal	6 ms
	Time	6 ms	
	Signs	≤	

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Switch-on delay	≤ 6 ms		
Switch-off delay	≤ 12 ms		
Switch-off delay	Time	nominal	6 ms
	Time	6 ms	
	Signs	≤	
Switch-off delay	≤ 6 ms		
Switching frequency (rated load), max.	0.1 Hz		
Min. switching power	1 mA @ 24 V, 10 mA @ 10 V, 100 mA @ 5 V		

Load side

Continuous current	2 A	Switch-on delay	approx. 5 ms
Switch-off delay	≤ 12 ms		

General data

Colour	grey	UL 94 flammability rating	V-0

Insulation coordination

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

Insulation coordination

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

Further details of approvals / standards

Certificate no. (cULus)	E141197

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Certificate no. (cULus)	E141197

Connection data

Wire connection method	M12 plug/socket, A-coded

output

Switching voltage, max.	48 V AC; 24 V DC

Ratings IECEx/ATEX/cUL

Certificate no. (cULus)	E141197

Classifications

ETIM 8.0	EC001437	ETIM 9.0	EC001437
ETIM 10.0	EC001437	ECLASS 14.0	27-37-16-01
ECLASS 15.0	27-37-16-01		

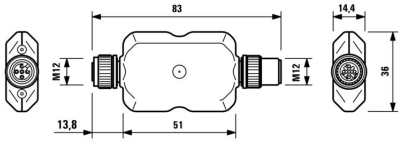
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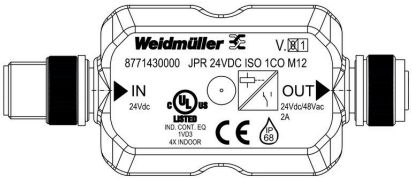
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Drawings

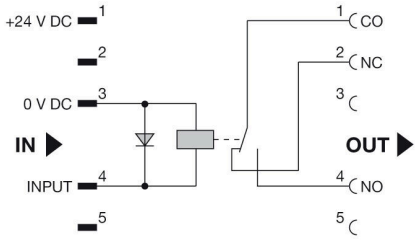
Detailed drawing



Dimensional drawing



Wiring diagram



Pinning

