

JPR 24VDC 1CO M12

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

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

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
Order No.	8771420000
Type	JPR 24VDC 1CO M12
GTIN (EAN)	4032248439621
Qty.	1 Stück

Erstellungs-Datum June 1, 2023 12:07:45 PM CEST

Katalogstand 26.05.2023 / Technische Änderungen vorbehalten

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Technische Daten

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	53.5 g		

Temperatures

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

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
Protective circuit	Free-wheeling diode		

Control side

Rated control voltage	24 V DC ±20 %	Power rating	200 mW
Protective circuit	Free-wheeling diode		

Output

Continuous current	Current	2 A	
Max. switching voltage, AC	48 V		
Max. switching voltage, DC	24 V		
Continuous current	2 A		
DC switching capacity (resistive), max.	48 W @ 24 V		
DC switching capacity, max.	48 W		
Switching capacity	24 V		
Switch-on delay	≤ 6 ms		
Switch-on delay	≤ 6 ms		
Switch-on delay	Time	nominal	6 ms
	Time	6 ms	
	Signs	≤	
Switch-off delay	≤ 6 ms		
Switch-off delay	≤ 6 ms		
Switch-off delay	Time	6 ms	
	Time	nominal	6 ms
	Signs	≤	
Max. switching frequency at rated load	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	≤ 6 ms
Switch-off delay	≤ 6 ms		

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

Further details of approvals / standards

Certificate no. (cULus)	E141197
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Connection data

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

Switching voltage, max.	48 V AC; 24 V DC
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Ratings IECEx/ATEX/cUL

Certificate no. (cULus)	E141197
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Classifications

ETIM 6.0	EC001437	ETIM 7.0	EC001437
ETIM 8.0	EC001437	ECLASS 9.0	27-37-16-01
ECLASS 9.1	27-37-16-01	ECLASS 10.0	27-37-16-01
ECLASS 11.0	27-37-16-01	ECLASS 12.0	27-37-16-01

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	066f3ba0-f03f-48d2-9b27-b897c98936ad

Approvals

Approvals



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

Downloads

Engineering Data	CAD data – STEP
Engineering Data	WSCAD, EPLAN
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN FL FIELDWIRING EN

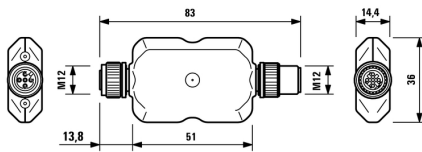
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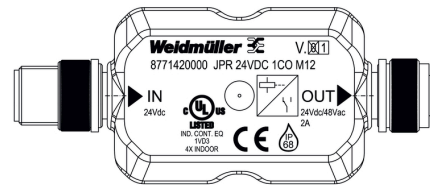
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Zeichnungen

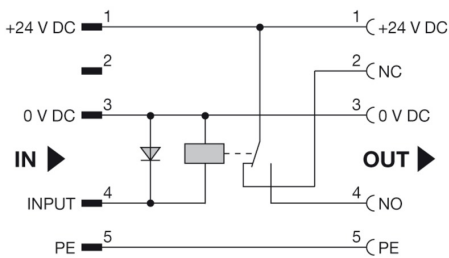
Detailed drawing



Dimensional drawing



Wiring diagram



Pinning

