

**PWR173048L****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image**

Similar to illustration

Our small industrial contactors of the PWR are particularly suitable for switching larger load currents.

- 1 NO contact (30 A) and 2 NO contacts (25 A)
- AgSnO Contact material
- Double contact to increase contact opening
- Direct mounting on DIN rail TS35
- With integrated status LED

**General ordering data**

Version	D-SERIES PWR, Relay module, Number of contacts: 1, NO contact AgSnO, Rated control voltage: 48 V DC, Continuous current: 30 A, Screw connection, Test button available: No
Order No.	<a href="#">1219490000</a>
Type	PWR173048L
GTIN (EAN)	4032248998944
Qty.	10 pc(s).

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## Technical data

### Dimensions and weights

Depth	55 mm	Depth (inches)	2.165 inch
Height	34 mm	Height (inches)	1.339 inch
Width	50.5 mm	Width (inches)	1.988 inch
Net weight	120 g		

### Temperatures

Storage temperature	-25 °C...55 °C	Operating temperature	-25 °C...55 °C
Humidity	35...85 % rel. humidity, no condensation		

### Rated data UL

Certificate No. (cURus)	E312083
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### Control side

Rated control voltage	48 V DC	Rated current DC	39.3 mA
Power rating	1.9 W	Coil resistance	1220 $\Omega \pm 10\%$
Coil tolerance	10 %	Status indicator	Green LED

### Load side

Rated switching voltage	277 V AC	Continuous current	30 A
Max. switching frequency at rated load	0.1 Hz	Inrush current	150 A / 50 ms
AC switching capacity (resistive), max.	8300 VA	DC switching capacity (resistive), max.	720 W @ 24 V
Switch-on delay	< 20 ms	Switch-off delay	< 10 ms
Contact type	1 NO contact (AgSnO)	Min. switching power	100 mA @ 12 V

### General data

Rail	TS 35																
Test button available	No																
Mechanical switch position indicator	No																
Colour	beige																
UL94 flammability rating component	<table> <tr> <td>Component</td><td>Relay test button</td></tr> <tr> <td>UL94 flammability rating</td><td>HB</td></tr> <tr> <td>Component</td><td>Relay status indicator</td></tr> <tr> <td>UL94 flammability rating</td><td>HB</td></tr> <tr> <td>Component</td><td>Relay baseplate</td></tr> <tr> <td>UL94 flammability rating</td><td>V-0</td></tr> <tr> <td>Component</td><td>Relay cover</td></tr> <tr> <td>UL94 flammability rating</td><td>V-2</td></tr> </table>	Component	Relay test button	UL94 flammability rating	HB	Component	Relay status indicator	UL94 flammability rating	HB	Component	Relay baseplate	UL94 flammability rating	V-0	Component	Relay cover	UL94 flammability rating	V-2
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### Insulation coordination

Rated voltage	250 V	Pollution severity	3
Surge voltage category	III	Insulating material group	IIIa
Clearance and creepage distances for control side - load side	$\geq 5.5$ mm	Dielectric strength for control side - load side	4 kV <sub>eff</sub> / 1 min
Dielectric strength of open contact	2 kV <sub>eff</sub> / 1 min	Impulse withstand voltage	6 kV (1.2/50 $\mu$ s)
Protection degree	IP10		

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## Technical data

## Further details of approvals / standards

Certificate No. (cURus) E312083

## Connection data (control side)

Wire connection method (control side)	Screw connection	Min. rated connection clamping range (control side)	0.5 mm <sup>2</sup>
Max. rated connection clamping range (control side)	2.5 mm <sup>2</sup>	Min. tightening torque (control side)	0.5 Nm
Max. tightening torque (control side)	1.2 Nm	Blade size (control side)	Gr. PH2

## Connection data (load side)

Wire connection method (load side)	Screw connection	Min. rated connection clamping range (load side)	0.5 mm <sup>2</sup>
Max. rated connection clamping range (load side)	4 mm <sup>2</sup>	Min. tightening torque (load side)	0.5 Nm
Max. tightening torque (load side)	1.2 Nm	Blade size (load side)	Gr. PH2

## Connection data

Wire connection method Screw connection

## Classifications

ETIM 6.0	EC001437	ETIM 7.0	EC001437
ETIM 8.0	EC001437	ETIM 9.0	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	ECLASS 13.0	27-37-16-01

## Environmental Product Compliance

REACH SVHC Lead 7439-92-1

## Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E312083

## Downloads

Approval/Certificate/Document of Conformity	<a href="#">EU Konformitätserklärung / EU Declaration of Conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">FL_D-SERIES_PWR1NO_LOAD_GUIDE</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

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Catalogue status 18.05.2024 / We reserve the right to make technical changes.

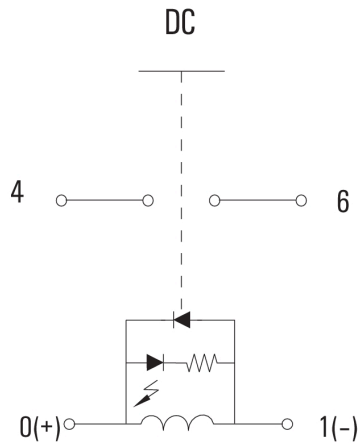
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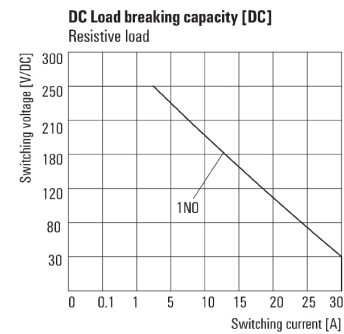
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## Drawings

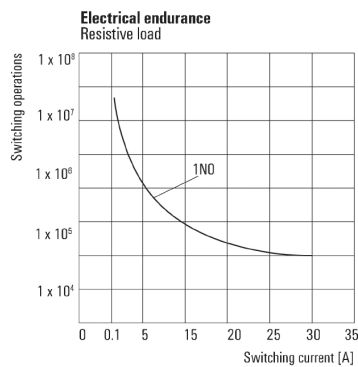
## Wiring diagram



## Graph

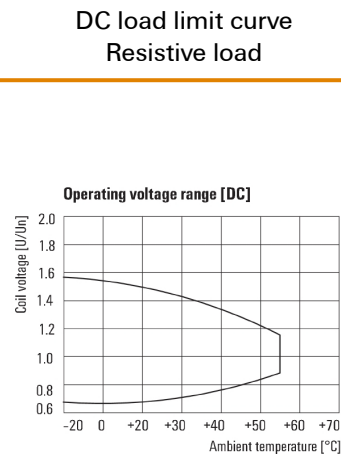


## Graph



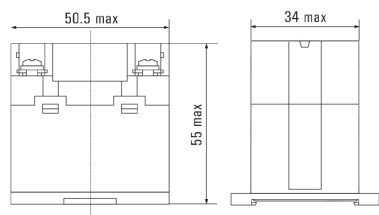
Electrical service life  
Resistive load

## Graph



DC operational voltage range

## Dimensional drawing



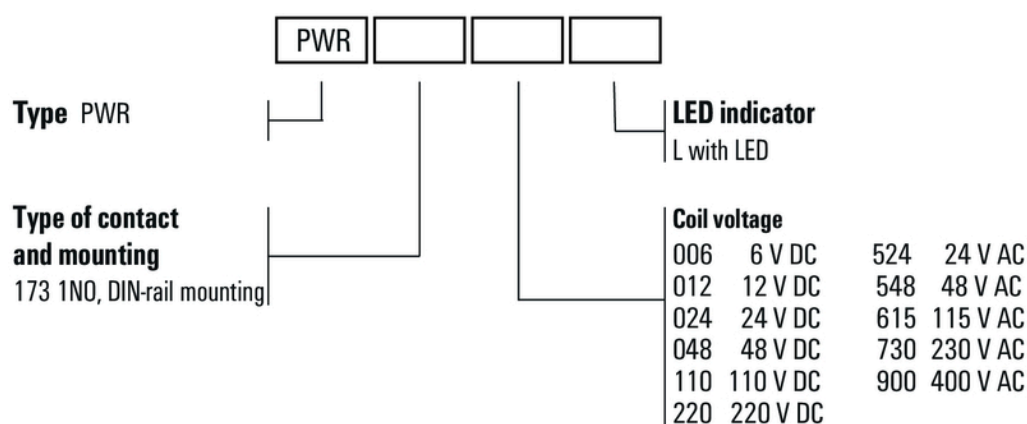
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## Drawings

## Miscellaneous



Type codes