

DRW270220LT**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

Similar to illustration

Individual relays within the D-SERIES DRW

- 2 CO contacts
- Optional AC or DC coils
- With test button and Integrated status LED

General ordering data

Version	D-SERIES DRW / DRH, Relay, Number of contacts: 2, CO contact AgCdO, Rated control voltage: 220 V DC, Continuous current: 16 A, Flat blade connections (4.8 mm x 0.5 mm)
Order No.	1219770000
Type	DRW270220LT
GTIN (EAN)	4032248998739
Qty.	10 pc(s).

Creation date March 23, 2021 9:16:03 AM CET

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Depth	48 mm	Depth (inches)	1.89 inch
Height	36 mm	Height (inches)	1.417 inch
Net weight	80.7 g	Width	36 mm
Width (inches)	1.417 inch		

Temperatures

Storage temperature	-40 °C...60 °C	Operating temperature	-40 °C...60 °C
Humidity	35 % to 85 % relative humidity level		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Rated data UL

Certificate No. (cURus)	E312083
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Control side

Coil resistance	33000 $\Omega \pm 10\%$	Power rating	1.5 W
Pull-in/drop-out voltage, typ.	165 V / 22 V DC	Rated control voltage	220 V DC
Rated current DC	6.7 mA	Status indicator	Green LED

Load side

AC switching capacity (resistive), max.	6400 VA	Continuous current	16 A
DC switching capacity (resistive), max.	384 W @ 24 V	Inrush current	80 A / 50 ms
Max. switching frequency at rated load	0.1 Hz	Max. switching voltage, DC	250 V
Min. switching power	100 mA @ 12 V	Rated switching voltage	400 V AC
Switch-off delay	≤ 20 ms	Switch-on delay	≤ 20 ms

Contact data

Contact type	2 CO contact (AgCdO)	Contact resistance	≤ 50 m Ω
Mechanical service life	10 x 10 ⁶ switching cycles		

General data

Test button	yes (lockable)		
Mechanical switch position indicator	Yes		
Colour	Transparent		
UL94 flammability rating component	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

Creepage and clearance distance input – output	≥ 6,3 mm	Dielectric strength of neighbouring contacts	1.5 kV _{eff} / 1 min.
Dielectric strength of open contact	2.5 kV _{eff} / 1 Min.	Dielectric strength, Input/Output	2.5 kV _{eff} / 1 Min.
Insulating material group	IIIa	Insulation coordination according to	EN 61810-1:2008
Pollution severity	3	Protection degree	IP20
Rated voltage	400 V	Surge voltage category	III

Further details of approvals / standards

Standards	IEC 61810-1, EN 60664-1:2007, EN 61000-6-2:2005, EN 61000-6-4:2007 + A1:2011, UL 508	Certificate No. (cURus)	E312083
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Connection data

Wire connection method	Flat blade connections (4.8 mm x 0.5 mm)
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Classifications

ETIM 6.0	EC001437	ETIM 7.0	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

Important note

Product information	This article uses an exemption named in Annex III of the RoHS Directive 2011/65/EU "8b - Cadmium and cadmium compounds in electrical contacts", which could only be valid until 21.07.2021, depending on the product category. Please check whether you can use this article depending on the place of marketing and the product category concerned. Alternative product with modified contact material:
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Approvals

Approvals



ROHS	Conform
UL File Number Search	E312083

Downloads

Approval/Certificate/Document of Conformity	EU Konformitätserklärung / EU Declaration of Conformity
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD
Product Change Notification	Product Change Notification - Deutsch Product Change Notification - English

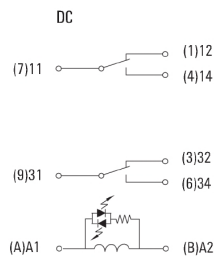
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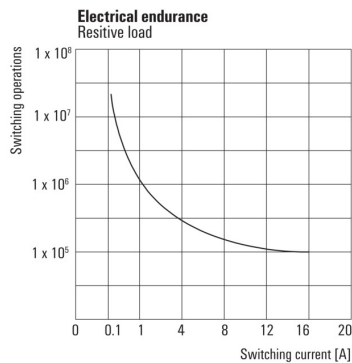
Drawings

Wiring diagram



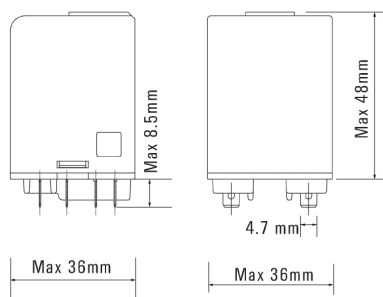
View of Pins from below

Graph

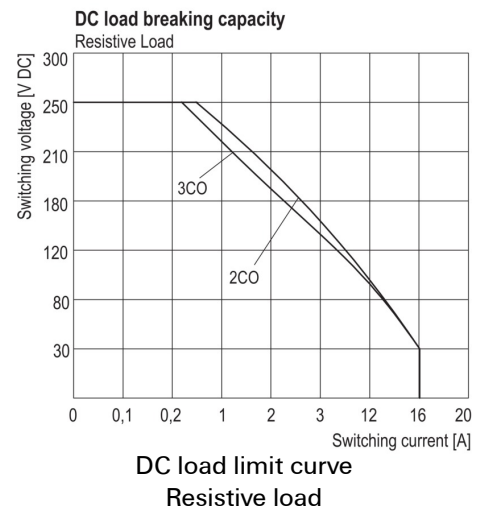


Electrical service life
Resistive load

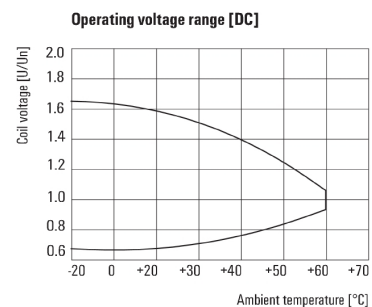
Dimensional drawing



Graph



Graph



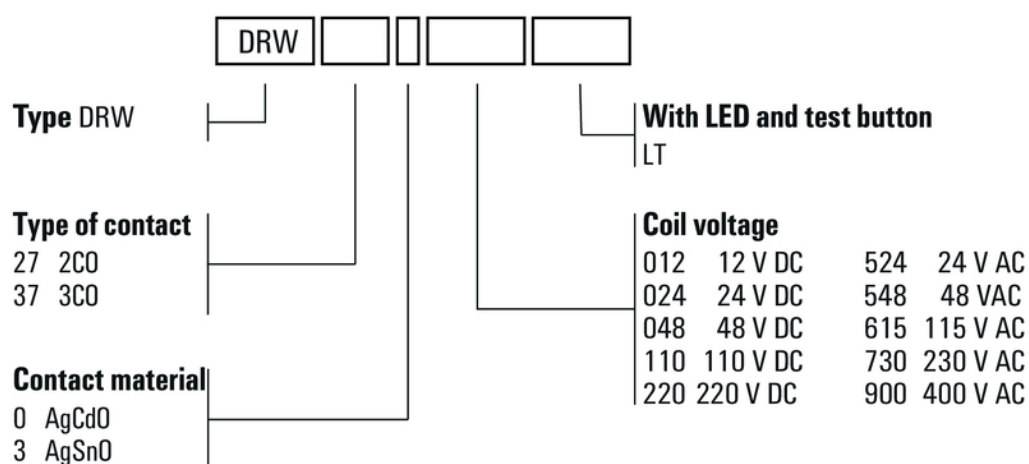
DC operational voltage range

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Type codes