

DRH276048LT**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

Similar to illustration

DRH DC relays (with blow-out magnet)

- 2 NO 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 AgSnO ₂ , AgSnO, Rated control voltage: 48 V DC, Continuous current: 16 A, Flat blade connections (4.8 mm x 0.5 mm)
Order No.	1220170000
Type	DRH276048LT
GTIN (EAN)	4032248998623
Qty.	10 pc(s).

Creation date March 23, 2021 9:19:21 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	86.7 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	1600 $\Omega \pm 10\%$	Power rating	1.5 W
Pull-in/drop-out voltage, typ.	36 V / 4.8 V DC	Rated control voltage	48 V DC
Rated current DC	30 mA	Status indicator	Green LED

Load side

AC switching capacity (resistive), max.	4000 VA	Continuous current	16 A
DC switching capacity (resistive), max.	660 W @ 220 V	Inrush current	80 A / 50 ms
Max. switching frequency at rated load	0.1 Hz	Max. switching voltage, DC	300 V
Min. switching power	100 mA @ 12 V	Rated switching voltage	250 V AC
Switch-off delay	≤ 20 ms	Switch-on delay	≤ 20 ms

Contact data

Contact type	2 CO contact (AgSnO ₂ , AgSnO)	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	Housing
	UL94 flammability rating	V-2
	Component	Relay baseplate
	UL94 flammability rating	V-0
	Component	Relay status indicator
	UL94 flammability rating	HB
	Component	Relay test button
	UL94 flammability rating	HB

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Insulation coordination

Creepage and clearance distance input – output	≥ 6,3 mm	Dielectric strength of neighbouring contacts	4 kV _{eff} / 1 min
Dielectric strength of open contact	4 kV _{eff} / 1 min	Dielectric strength, Input/Output	4 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

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

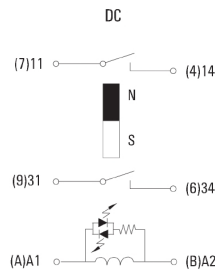
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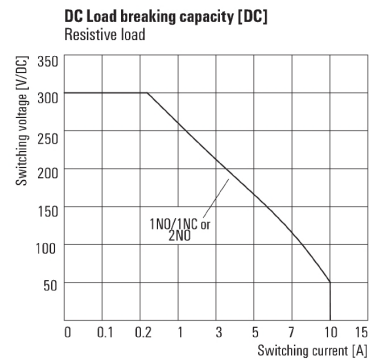
Drawings

Wiring diagram

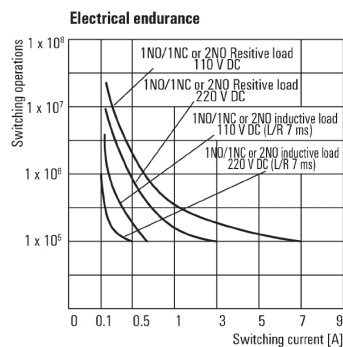


View of Pins from below

Graph



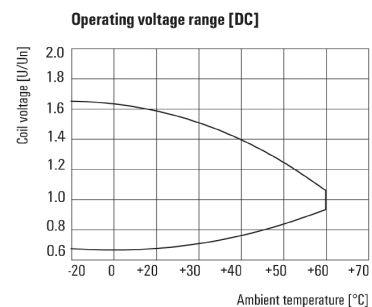
Graph



Electrical service life

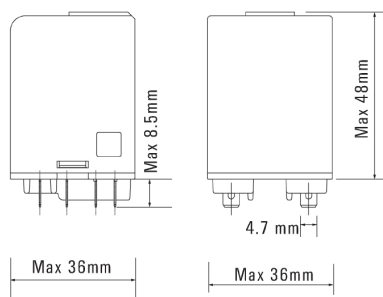
Graph

DC load limit curve
Resistive load



DC operational voltage range

Dimensional drawing

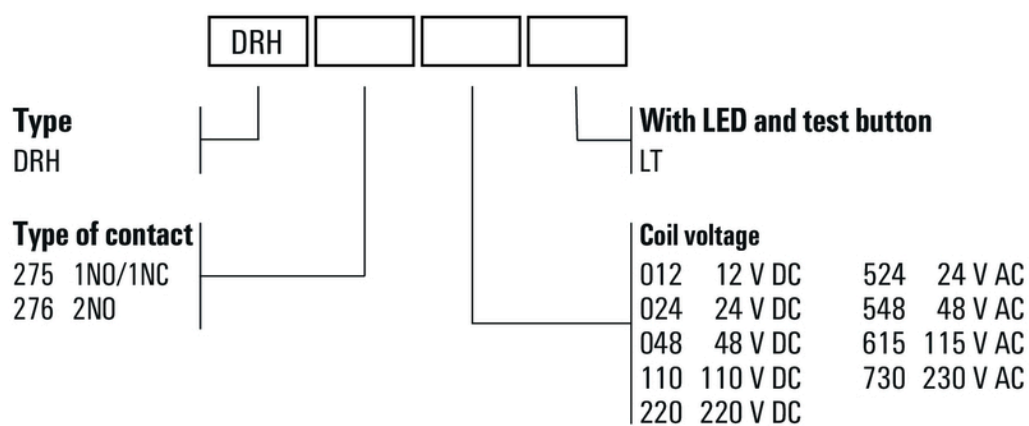


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Type codes