

**DRH173048LT****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)

- 1 NO contact with contact series connection
- Optional AC or DC coils
- With test button and Integrated status LED

**General ordering data**

Version	D-SERIES DRW / DRH, Relay, Number of contacts: 1, NO contact with blow-out magnet AgSnO, Rated control voltage: 48 V DC, Continuous current: 16 A, Flat blade connections (4.8 mm x 0.5 mm), Test button available: Yes
Order No.	<a href="#">1219860000</a>
Type	DRH173048LT
GTIN (EAN)	4032248998340
Qty.	10 items

DRH173048LT

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## Technical data

### Approvals

Approvals



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

### Dimensions and weights

Depth	48 mm	Depth (inches)	1.8898 inch
Height	36 mm	Height (inches)	1.4173 inch
Width	36 mm	Width (inches)	1.4173 inch
Net weight	73.3 g		

### Temperatures

Storage temperature	-40 °C...60 °C	Ambient temperature	-40 °C...60 °C
Operating temperature		Humidity	5...85 % rel. humidity, no condensation

### Environmental Product Compliance

RoHS Compliance Status Compliant without exemption  
REACH SVHC No SVHC above 0.1 wt%

### Rated data UL

Certificate No. (cURus) E312083

### Control side

Rated control voltage	48 V DC	Rated current DC	30 mA
Power rating	1.5 W	Coil resistance	1600 Ω ± 10 %
Status indicator	Green LED		

### Load side

Rated switching voltage	500 V AC	Continuous current	16 A
Max. switching frequency at rated load	0.1 Hz	Max. switching voltage, AC	400 V
Max. switching voltage, DC	300 V	Inrush current	80 A / 50 ms
AC switching capacity (resistive), max.	8000 VA	DC switching capacity (resistive), max.	2200 W @ 220 V
Switch-on delay	<20 ms	Switch-off delay	<20 ms
Contact type	1 NO contact with blow-out magnet (AgSnO)	Mechanical service life	10 x 10 <sup>6</sup> switching cycles
Min. switching power	100 mA @ 12 V		

### General data

Test button available	Yes		
Version of test button	Lockable test button, Momentary test button		
Mechanical switch position indicator	Yes		
Colour	Transparent		
UL94 flammability rating component	Component	Housing	
	UL94 flammability rating	V-2	
	Component	Relay baseplate	

**Technical data**

UL94 flammability rating	V-0
Component	Relay status indicator
UL94 flammability rating	HB
Component	Relay test button
UL94 flammability rating	HB

**Insulation coordination**

Insulation coordination according to	EN 61810-1:2008	Rated voltage	500 V
Pollution severity	3	Surge voltage category	III
Insulating material group	IIIa	Clearance and creepage distances for control side - load side	≥ 8 mm
Dielectric strength for control side - load side	4 kVeff / 1 min	Dielectric strength of open contact	4 kVeff / 1 min
Protection degree	IP20		

**Further details of approvals / standards**

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 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		

Drawings

Wiring diagram



View of Pins from below

Graph



DC load limit curve Resistive load

Graph



Electrical service life

Graph



DC operational voltage range

Dimensional drawing



**Miscellaneous**



Type codes