

DRH275048LT**Weidmüller Interface GmbH & Co. KG**

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Product image

Similar to illustration

DRH DC relays (with blow-out magnet)

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

General ordering data

Version	D-SERIES DRW / DRH, Relay 1 NO contact and 1 NC 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.	1220060000
Type	DRH275048LT
GTIN (EAN)	403224899853 1
Qty.	10 items

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	85.3 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
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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	250 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.	4000 VA	DC switching capacity (resistive), max.	660 W @ 220 V
Switch-on delay	<20 ms	Switch-off delay	<20 ms
Contact type	1 NO contact and 1 NC contact with blow-out magnet (AgSnO)	Mechanical service life	10 x 10 ⁶ 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	<table border="1"> <tr> <td>Component</td> <td>Housing</td> </tr> <tr> <td>UL94 flammability rating</td> <td>V-2</td> </tr> </table>	Component	Housing	UL94 flammability rating	V-2
Component	Housing				
UL94 flammability rating	V-2				

Technical data

Component	Relay baseplate
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	400 V
Pollution severity	3	Surge voltage category	III
Insulating material group	IIIa	Clearance and creepage distances for control side - load side	≥ 6,3 mm
Dielectric strength for control side - load side	4 kVeff / 1 min	Dielectric strength of neighbouring contacts	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

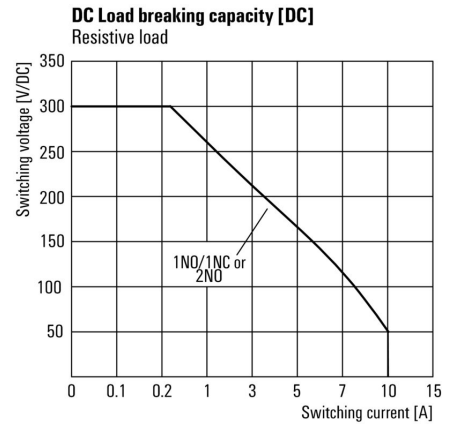
ETIM 8.0	EC001437	ETIM 9.0	EC001437
ETIM 10.0	EC001437	ECLASS 14.0	27-37-16-01
ECLASS 15.0	27-37-16-01		

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