

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.	1219860000
Type	DRH173048LT
GTIN (EAN)	4032248998340
Qty.	10 pc(s).

Creation date May 23, 2024 8:13:55 AM CEST

Catalogue status 18.05.2024 / 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
Width	36 mm	Width (inches)	1.417 inch
Net weight	83.3 g		

Temperatures

Storage temperature	-40 °C...60 °C	Operating temperature	-40 °C...60 °C
Humidity	5...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	30 mA
Power rating	1.5 W	Coil resistance	1600 $\Omega \pm 10\%$
Coil tolerance	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 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	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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Technical data

Insulation coordination

Insulation coordination according to EN 61810-1:2008

Pollution severity 3

Insulating material group

IIIa

Dielectric strength for control side - load side

4 kV_{eff} / 1 min

Protection degree

IP20

Rated voltage 500 V

Surge voltage category

III

Clearance and creepage distances for control side - load side

≥ 8 mm

Dielectric strength of open contact

4 kV_{eff} / 1 min

Further details of approvals / standards

Certificate No. (cURus)

E312083

Connection data

Wire connection method

Flat blade connections
(4.8 mm x 0.5 mm)

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

Approvals

Approvals



ROHS

Conform

UL File Number Search

UL Website

Certificate No. (cURus)

E312083

Downloads

Approval/Certificate/Document of Conformity

[EU Konformitätserklärung / EU Declaration of Conformity](#)

Engineering Data

[CAD data – STEP](#)

User Documentation

[FL D-SERIES DRH1NO_LOAD_GUIDE](#)

Catalogues

[Catalogues in PDF-format](#)

Brochures

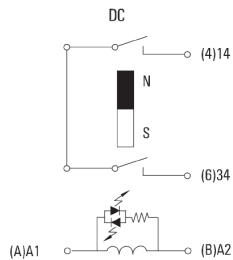
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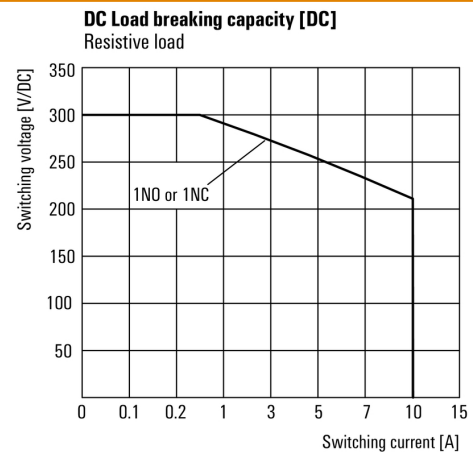
Drawings

Wiring diagram



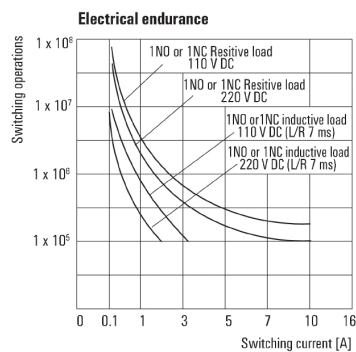
View of Pins from below

Graph



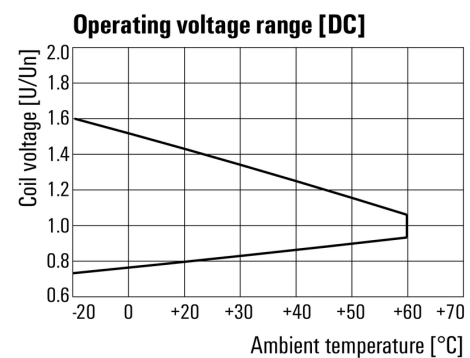
DC load limit curve
Resistive load

Graph



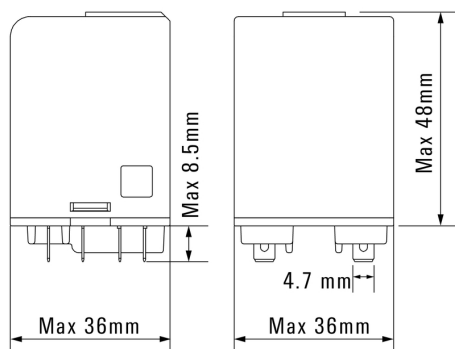
Electrical service life

Graph



DC operational voltage range

Dimensional drawing



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Accessories

Blank, adhesive backing



SM is a MultiCard marker for labelling control and signalling devices. The tags are clipped into the carriers or attached by means of the adhesive film already fitted to them. Customised tags can be created with the PrintJet CONNECT or Plotter marking systems.

- Users can quickly produce tags to suit their needs
- No need to stock expensive standard tags
- Highly resistant printing quality when using the PrintJet as a substitute for engraving
- For extreme demands, we recommend the ETO SM protective film
- Holders can be used for the 22-mm or 30-mm-diameter push-buttons from Siemens, ABB, Moeller and Télémécanique

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	SM 18/9.5 K MC NE GE	Version
Order No.	1248590000	SwitchMark, Device markers, 9.5 x 18 mm, Siemens 3 SB, yellow
GTIN (EAN)	4050118038958	
Qty.	200 pc(s).	
Type	SM 18/9.5 K MC NE GR	Version
Order No.	1248610000	SwitchMark, Device markers, 9.5 x 18 mm, grey
GTIN (EAN)	4050118038675	
Qty.	200 pc(s).	
Type	SM 18/9.5 K MC NE WS	Version
Order No.	1248580000	SwitchMark, Device markers, 9.5 x 18 mm, white
GTIN (EAN)	4050118038965	
Qty.	200 pc(s).	

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www.weidmueller.com**Accessories****Test button cover**

Test button cover for the D-SERIES DRW/DRH relays.

**General ordering data**

Type	TEST LEVER BLOCK DRH/DRW	Version
Order No.	7760056249	D-SERIES DRW / DRH, Test button cover
GTIN (EAN)	6944169641626	
Qty.	10 pc(s).	

Retaining clips

Retaining clip for D-SERIES DRW/DRH relays

- Metal retaining clip

**General ordering data**

Type	DRW/DRH CLIP M	Version
Order No.	1220260000	D-SERIES DRW / DRH, Retaining clip
GTIN (EAN)	4032248999576	
Qty.	10 pc(s).	

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Accessories

Blank



ESG is the tried-and-tested marker in MultiCard format for use on many well-known electrical devices. The result is high-quality device marking with a high-contrast appearance.

Various types are available for devices from manufacturers like Siemens, ABB, Beckhoff etc.

Advantages at a glance:

- Tags for universal usage, self-adhesive or clip-on tags, depending on type
- For aligned equipment, e.g. circuit breakers, we supply ESG markers for clipping onto tag rails
- Individual laser-quality printing according to specifications

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	ESG 6/15 K MC NE GE	Version
Order No.	1880130000	ESG, Device markers x 15 mm, PA 66, Colour: yellow, Self-adhesive
GTIN (EAN)	4032248478910	
Qty.	200 pc(s).	
Type	ESG 6/15 K MC NE WS	Version
Order No.	1880100000	ESG, Device markers x 15 mm, PA 66, Colour: white, Self-adhesive
GTIN (EAN)	4032248478781	
Qty.	200 pc(s).	

ESG 6/17

**Guaranteed long service life: ESG**

The multi-colour and multi-format labels have a strong adhesive layer to ensure the best possible adhesion to the underlying surface. Double laminated polyester makes the basic material very thin and yet extremely tear-resistant.

Your benefits with MultiMark

- "Different materials for various requirements"
- Can be used with equipment from many manufacturers
- Device markers with a familiar design

General ordering data

Type	ESG 6/17 MM WS	Version
Order No.	2005100000	ESG, Device markers, 6 x 17 mm, white
GTIN (EAN)	4050118390728	
Qty.	3,000 pc(s).	

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www.weidmueller.com**Accessories****Blank**

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General ordering data

Type	ESG 9/11 K MC NE WS	Version
Order No.	1857440000	ESG, Device markers x 11 mm, PA 66, Colour: white, Self-adhesive
GTIN (EAN)	4032248402731	
Qty.	200 pc(s).	

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- Individual laser-quality printing according to specifications

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General ordering data

Type	ESG 6/17 K MC NE WS	Version
Order No.	1880120000	ESG, Device markers x 17 mm, PA 66, Colour: white, Self-adhesive
GTIN (EAN)	4032248478804	
Qty.	200 pc(s).	

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Accessories

Type	ESG 6/17 K MC NE GE	Version
Order No.	1880110000	ESG, Device markers x 17 mm, PA 66, Colour: yellow, Self-adhesive
GTIN (EAN)	4032248478798	
Qty.	200 pc(s).	

Sockets



Relay sockets for the D-SERIES DRW/DRH relays

- Up to 3 CO contacts
- Screw connection

General ordering data

Type	SPW ECO 3CO	Version
Order No.	1220250000	D-SERIES DRW / DRH, Relay socket, Number of contacts: 3, CO
GTIN (EAN)	4032248100101	contact, Continuous current: 16 A, Screw connection
Qty.	10 pc(s).	

Protection modules



Pluggable protective modules for the D-SERIES relay sockets, with optional protective functions.

- With free-wheeling diode or RC filter

General ordering data

Type	RIM 5 6/230VDC	Version
Order No.	1174650000	D-SERIES, Free-wheeling diode, Rated control voltage: 6...230 V DC,
GTIN (EAN)	4032248971305	Plug-in connection
Qty.	10 pc(s).	

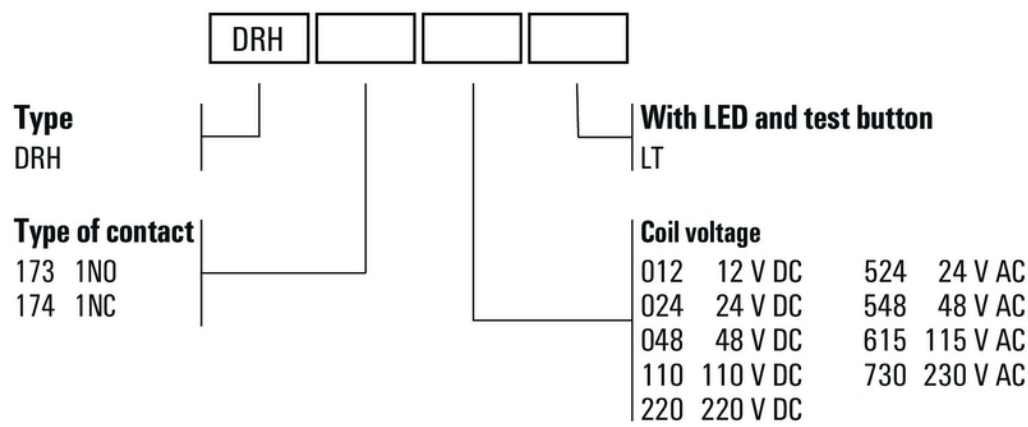
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Drawings

Miscellaneous



Type codes