

**DRH174012LT****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image**

Similar to illustration

DRH DC relays (with blow-out magnet)

- 1 NC 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, NC contact with blow-out magnet AgSnO, Rated control voltage: 12 V DC, Continuous current: 16 A, Flat blade connections (4.8 mm x 0.5 mm), Test button available: Yes
Order No.	<a href="#">1219940000</a>
Type	DRH174012LT
GTIN (EAN)	4032248998418
Qty.	10 pc(s).

Creation date October 5, 2024 11:36:33 PM CEST

Catalogue status 28.09.2024 / 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	84.2 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	12 V DC	Rated current DC	120 mA
Power rating	1.5 W	Coil resistance	100 $\Omega \pm 10\%$
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 NC 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
	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	$\geq 8$ mm
Dielectric strength for control side - load side	4 kV <sub>eff</sub> / 1 min	Protection degree	IP20

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## Technical data

## 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 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
ECLASS 14.0	27-37-16-01		

## Environmental Product Compliance

REACH SVHC	/
RoHS Compliance Status	Compliant without exemption

## Approvals

Approvals



ROHS	Conform
UL File Number Search	<a href="#">UL Website</a>
Certificate No. (cURus)	E312083

## Downloads

Approval/Certificate/Document of Conformity	<a href="#">EU Konformitätserklärung / EU Declaration of Conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

## DRH174012LT

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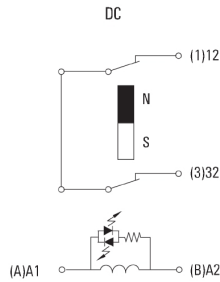
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## Drawings

## Wiring diagram



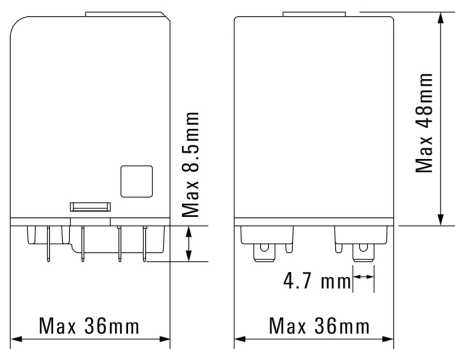
View of Pins from below

## Graph

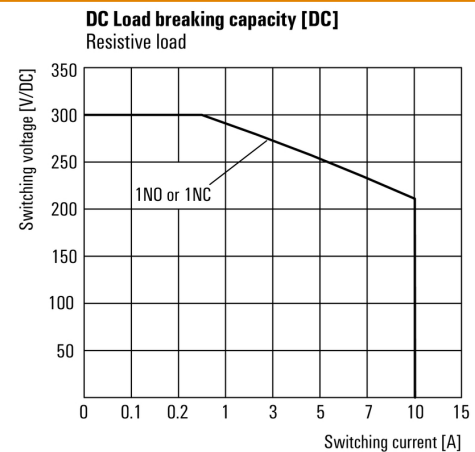


Electrical service life

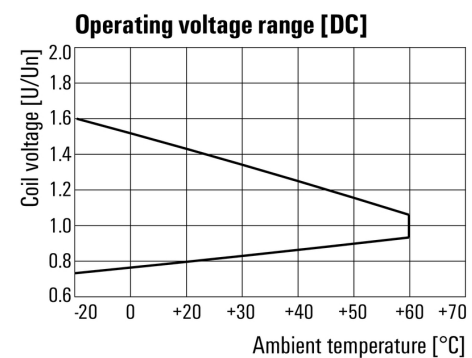
## Dimensional drawing



## Graph

DC load limit curve  
Resistive load

## Graph



DC operational voltage range

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## Accessories

## Retaining clips



Retaining clip for D-SERIES DRW/DRH relays

- Metal retaining clip

## General ordering data

Type	DRW/DRH CLIP M	Version
Order No.	<a href="#">1220260000</a>	D-SERIES DRW / DRH, Retaining clip
GTIN (EAN)	4032248999576	
Qty.	10 pc(s).	

## 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.	<a href="#">1880130000</a>	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.	<a href="#">1880100000</a>	ESG, Device markers x 15 mm, PA 66, Colour: white, Self-adhesive
GTIN (EAN)	4032248478781	
Qty.	200 pc(s).	

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## Accessories

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## General ordering data

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

## 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.	<a href="#">7760056249</a>	D-SERIES DRW / DRH, Test button cover
GTIN (EAN)	6944169641626	
Qty.	10 pc(s).	

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Blank**

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- For aligned equipment, e.g. circuit breakers, we supply ESG markers for clipping onto tag rails
- Individual laser-quality printing according to specifications

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**General ordering data**

Type	ESG 6/17 K MC NE GE	Version
Order No.	<a href="#">1880110000</a>	ESG, Device markers x 17 mm, PA 66, Colour: yellow, Self-adhesive
GTIN (EAN)	4032248478798	
Qty.	200 pc(s).	
Type	ESG 6/17 K MC NE WS	Version
Order No.	<a href="#">1880120000</a>	ESG, Device markers x 17 mm, PA 66, Colour: white, Self-adhesive
GTIN (EAN)	4032248478804	
Qty.	200 pc(s).	

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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 GR	Version
Order No.	<a href="#">1248610000</a>	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.	<a href="#">1248580000</a>	SwitchMark, Device markers, 9.5 x 18 mm, white
GTIN (EAN)	4050118038965	
Qty.	200 pc(s).	
Type	SM 18/9.5 K MC NE GE	Version
Order No.	<a href="#">1248590000</a>	SwitchMark, Device markers, 9.5 x 18 mm, Siemens 3 SB, yellow
GTIN (EAN)	4050118038958	
Qty.	200 pc(s).	



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## Accessories

## 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.	<a href="#">2005100000</a>	ESG, Device markers, 6 x 17 mm, white
GTIN (EAN)	4050118390728	
Qty.	3,000 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.	<a href="#">1174650000</a>	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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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****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.	<a href="#">1220250000</a>	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).	

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Drawings

Miscellaneous



Type codes