

**DRH276548LT****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, NO contact with blow-out magnet AgSnO, Rated control voltage: 48 V AC, Continuous current: 16 A, Flat blade connections (4.8 mm x 0.5 mm), Test button available: Yes |
| Order No.  | <a href="#">1220210000</a>                                                                                                                                                                                              |
| Type       | DRH276548LT                                                                                                                                                                                                             |
| GTIN (EAN) | 403224899866 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 | 91.7 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 AC | Rated current AC | 50.5 mA      |
| Power rating          | 2.5 VA  | Coil resistance  | 350 Ω ± 10 % |
| Status indicator      | red 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                            | 2 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 |

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## 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                                                 | 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 |
|-------------------------|---------|

## Connection data

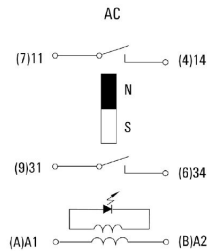
|                        |                                             |
|------------------------|---------------------------------------------|
| Wire connection method | Flat blade connections<br>(4.8 mm x 0.5 mm) |
|------------------------|---------------------------------------------|

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001437    | ETIM 7.0    | EC001437    |
| ETIM 8.0    | EC001437    | ETIM 9.0    | EC001437    |
| ETIM 10.0   | 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 |
| ECLASS 15.0 | 27-37-16-01 |             |             |

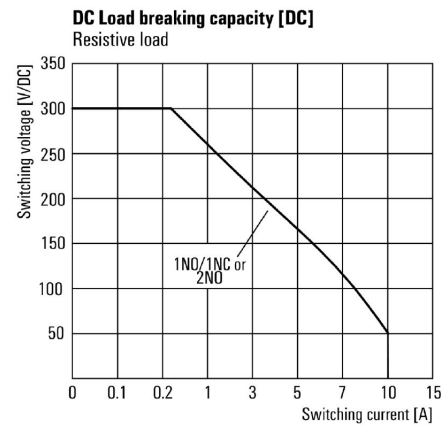
## Drawings

### Wiring diagram



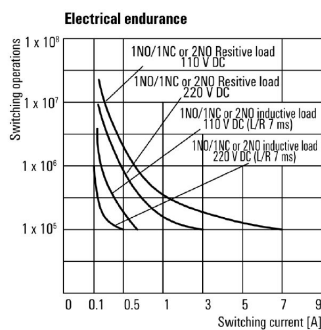
View of Pins from below

### Graph



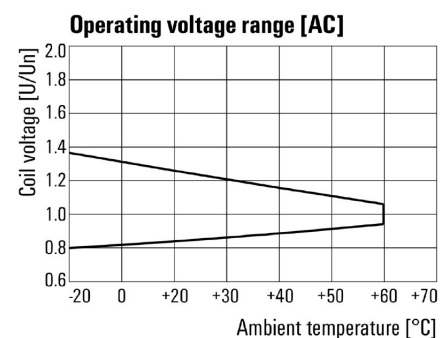
DC load limit curve Resistive load

### Graph



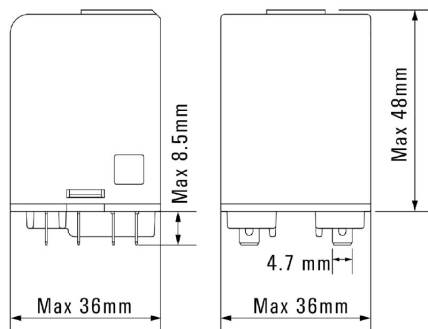
Electrical service life

### Graph



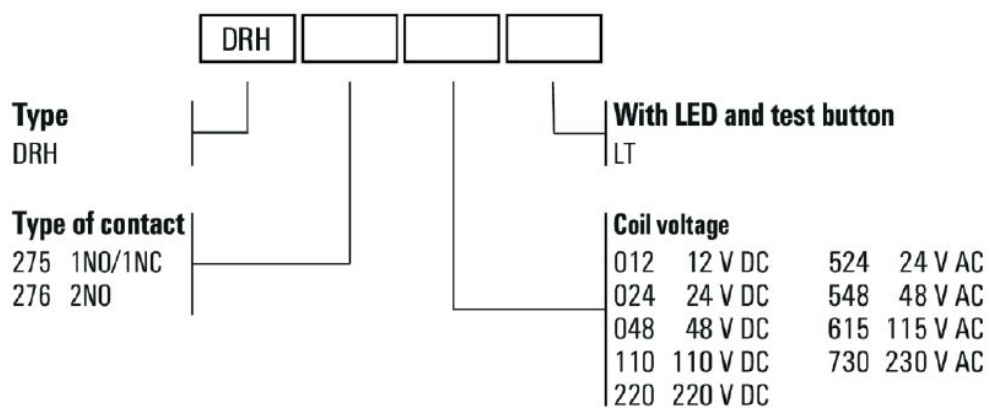
AC operational voltage range

### Dimensional drawing



## Drawings

### Miscellaneous



Type codes

## DRH276548LT

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## 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 ST                      |                                                             |

## Protection modules



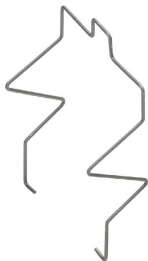
Pluggable protective modules for the D-SERIES relay sockets, with optional protective functions.

- With free-wheeling diode or RC filter

## General ordering data

|            |                            |                                                                   |
|------------|----------------------------|-------------------------------------------------------------------|
| Type       | RIM 5 6/230VAC             | Version                                                           |
| Order No.  | <a href="#">1174670000</a> | D-SERIES, RC filter, Rated control voltage: 6...230 V AC, Plug-in |
| GTIN (EAN) | 4032248971312              | connection                                                        |
| Qty.       | 10 ST                      |                                                                   |

## 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 ST                      |                                    |

## Accessories

## Test button cover

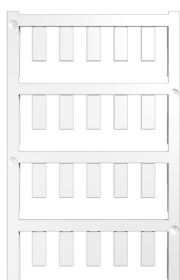
Test button cover for the D-SERIES DRW/DRH relays.



## General ordering data

|            |                            |                                       |  |
|------------|----------------------------|---------------------------------------|--|
| Type       | TEST LEVER BLOCK DRH/DRW   | Version                               |  |
| Order No.  | <a href="#">7760056249</a> | D-SERIES DRW / DRH, Test button cover |  |
| GTIN (EAN) | 6944169641626              |                                       |  |
| Qty.       | 10 ST                      |                                       |  |

## 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 ST                     |                                                                   |  |
| 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 ST                     |                                                                   |  |
| 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 ST                     |                                                                   |  |
| 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 ST                     |                                                                   |  |

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## Accessories

|            |                            |                                                                  |
|------------|----------------------------|------------------------------------------------------------------|
| 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 ST                     |                                                                  |

## 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 WS       | Version                                                       |
| Order No.  | <a href="#">1248580000</a> | SwitchMark, Device markers, 9.5 x 18 mm, white                |
| GTIN (EAN) | 4050118038965              |                                                               |
| Qty.       | 200 ST                     |                                                               |
| 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 ST                     |                                                               |
| 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 ST                     |                                                               |

## 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

## Accessories

### 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.       | 3000 ST                    |                                       |  |

## Counterpart

## 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 ST                      |                                                             |