

**DRH174524LT****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 and test button AgSnO <sub>2</sub> , Rated control voltage: 24 V AC, Continuous current: 16 A, Flat blade connections (4.8 mm x 0.5 mm) |
| Order No.  | <a href="#">1219990000</a>                                                                                                                                                                                                |
| Type       | DRH174524LT                                                                                                                                                                                                               |
| GTIN (EAN) | 4032248998470                                                                                                                                                                                                             |
| Qty.       | 10 pc(s).                                                                                                                                                                                                                 |

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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 |
| Net weight     | 86.3 g     | Width           | 36 mm      |
| Width (inches) | 1.417 inch |                 |            |

## Temperatures

|                     |                                      |                       |                |
|---------------------|--------------------------------------|-----------------------|----------------|
| Storage temperature | -40 °C...60 °C                       | Operating temperature | -40 °C...60 °C |
| Humidity            | 35 % to 85 % relative humidity level |                       |                |

## Environmental Product Compliance

|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

## Rated data UL

|                         |         |
|-------------------------|---------|
| Certificate No. (cURus) | E312083 |
|-------------------------|---------|

## Control side

|                                |                         |                       |         |
|--------------------------------|-------------------------|-----------------------|---------|
| Coil resistance                | 100 $\Omega$ $\pm$ 10 % | Power rating          | 2.5 VA  |
| Pull-in/drop-out voltage, typ. | 19.2 V / 7.2 V AC       | Rated control voltage | 24 V AC |
| Rated current AC               | 101.7 mA                | Status indicator      | red LED |

## Load side

|                                         |                |       |  |
|-----------------------------------------|----------------|-------|--|
| AC switching capacity (resistive), max. | 8000 VA        |       |  |
| Continuous current                      | Current        | 16 A  |  |
| DC switching capacity (resistive), max. | 2200 W @ 220 V |       |  |
| Inrush current                          | 80 A / 50 ms   |       |  |
| Max. switching frequency at rated load  | 0.1 Hz         |       |  |
| Max. switching voltage, AC              | 500 V          |       |  |
| Max. switching voltage, DC              | 300 V          |       |  |
| Min. switching power                    | 100 mA @ 12 V  |       |  |
| Rated switching voltage                 | Voltage type   | AC    |  |
|                                         | max.           | 500 V |  |
| Switch-off delay                        | < 20 ms        |       |  |
| Switch-on delay                         | < 20 ms        |       |  |

## Contact data

|                         |                                                                         |                    |                      |
|-------------------------|-------------------------------------------------------------------------|--------------------|----------------------|
| Contact type            | 1 NC contact with blow-out magnet and test button (AgSnO <sub>2</sub> ) | Contact resistance | $\leq$ 50 m $\Omega$ |
| Mechanical service life | 10 x 10 <sup>6</sup> switching cycles                                   |                    |                      |

## General data

|             |                |                                      |     |
|-------------|----------------|--------------------------------------|-----|
| Test button | yes (lockable) | Mechanical switch position indicator | Yes |
| Colour      | Transparent    | UL 94 flammability rating            | V-2 |

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## Insulation coordination

|                                                |        |                                      |                             |
|------------------------------------------------|--------|--------------------------------------|-----------------------------|
| Creepage and clearance distance input – output | ≥ 8 mm | Dielectric strength, Input/Output    | 4 kV <sub>eff</sub> / 1 min |
| Insulating material group                      | IIIa   | Insulation coordination according to | EN 61810-1:2008             |
| Pollution severity                             | 3      | Protection degree                    | IP20                        |
| Rated voltage                                  | 500 V  | Surge voltage category               | III                         |

## Further details of approvals / standards

|           |                                                                                      |                         |         |
|-----------|--------------------------------------------------------------------------------------|-------------------------|---------|
| Standards | IEC 61810-1, EN 60664-1:2007, EN 61000-6-2:2005, EN 61000-6-4:2007 + A1:2011, UL 508 | 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    |
| 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 |

## Approvals

Approvals



|                       |         |
|-----------------------|---------|
| ROHS                  | Conform |
| UL File Number Search | E312083 |

## Downloads

|                                             |                                                                         |
|---------------------------------------------|-------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">EU Konformitätserklärung / EU Declaration of Conformity</a> |
| Brochure/Catalogue                          | <a href="#">CAT 4.2 ELECTR 18/19 EN</a>                                 |
| Engineering Data                            | <a href="#">STEP</a>                                                    |
| Engineering Data                            | <a href="#">EPLAN, WSCAD</a>                                            |

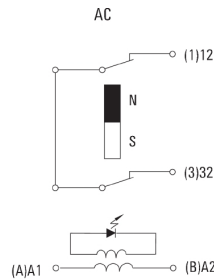
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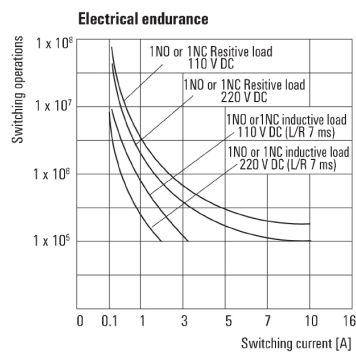
## Drawings

### Wiring diagram



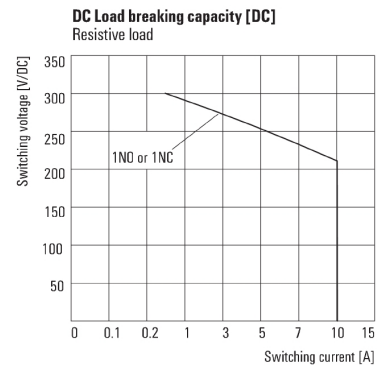
View of Pins from below

### Graph



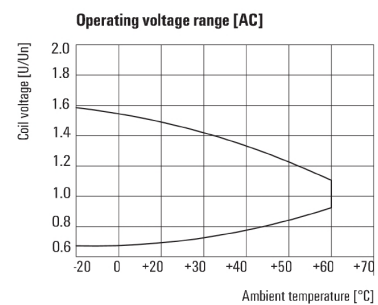
Electrical service life

### Graph



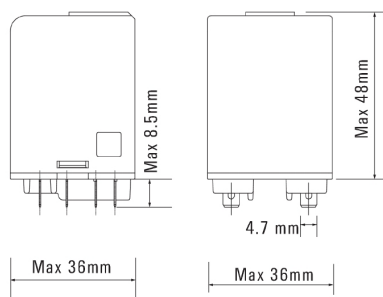
DC load limit curve  
Resistive load

### Graph



AC operational voltage range

### Dimensional drawing



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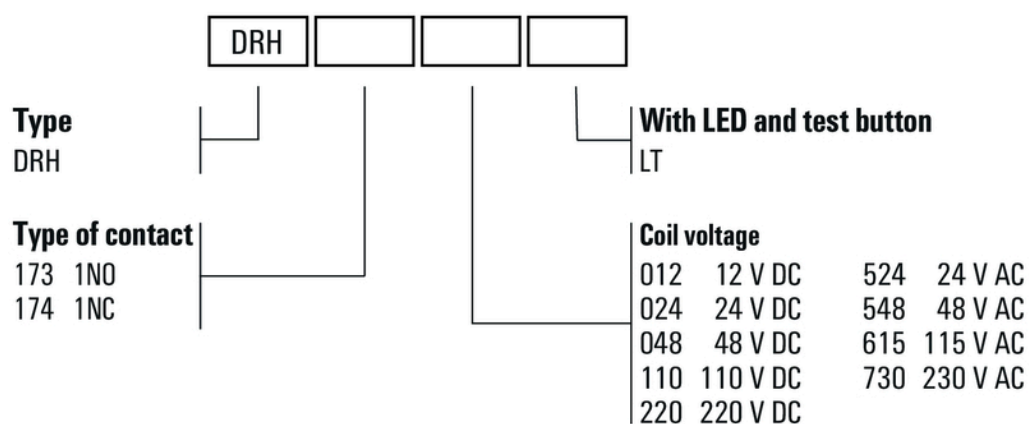
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## Drawings

## Miscellaneous



Type codes