



# THE DATASHEET OF 1220050000

**DRH275024LT****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 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: 24 V DC, Continuous current: 16 A, Flat blade connections (4.8 mm x 0.5 mm), Test button available: Yes |
| Order No.  | <a href="#">1220050000</a>                                                                                                                                                                                         |
| Type       | DRH275024LT                                                                                                                                                                                                        |
| GTIN (EAN) | 4032248998524                                                                                                                                                                                                      |
| Qty.       | 10 pc(s).                                                                                                                                                                                                          |

Creation date September 16, 2022 2:05:43 AM CEST

Catalogue status 09.09.2022 / 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 | 86.2 g |                 |            |

### 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

|                       |                       |                                |                 |
|-----------------------|-----------------------|--------------------------------|-----------------|
| Rated control voltage | 24 V DC               | Rated current DC               | 60 mA           |
| Power rating          | 1.5 W                 | Pull-in/drop-out voltage, typ. | 18 V / 2.4 V DC |
| Coil resistance       | 400 $\Omega \pm 10\%$ | Coil tolerance                 | 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, 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 <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                     |

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## Technical data

## 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 kV <sub>eff</sub> / 1 min | Dielectric strength of neighbouring contacts                  | 4 kV <sub>eff</sub> / 1 min |
| Dielectric strength of open contact              | 4 kV <sub>eff</sub> / 1 min | Protection degree                                             | IP20                        |

## 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<br>(4.8 mm x 0.5 mm) |
|------------------------|---------------------------------------------|

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001437    | ETIM 7.0    | EC001437    |
| ETIM 8.0    | 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 |

## Approvals

Approvals



|                         |            |
|-------------------------|------------|
| ROHS                    | Conform    |
| UL File Number Search   | UL Website |
| 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>                                         |
| Engineering Data                            | <a href="#">EPLAN, WSCAD</a>                                            |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                |
| Brochures                                   |                                                                         |

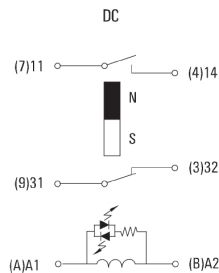
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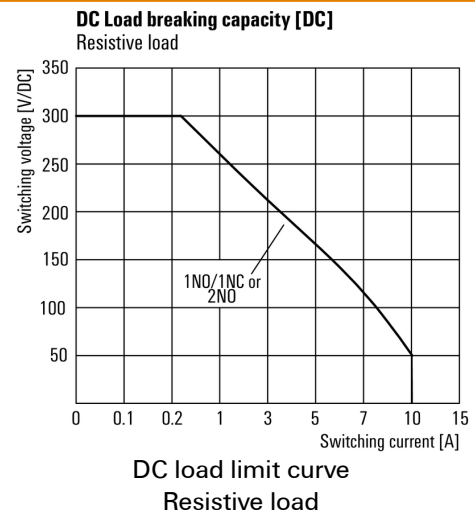
## Drawings

### Wiring diagram

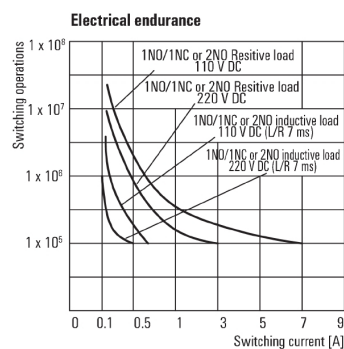


View of Pins from below

### Graph

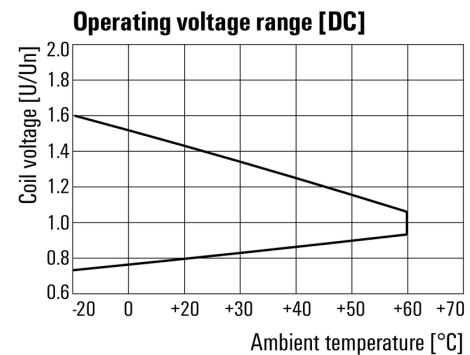


### Graph



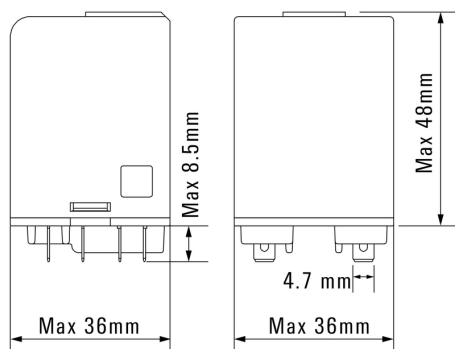
Electrical service life

### Graph



DC operational voltage range

### Dimensional drawing

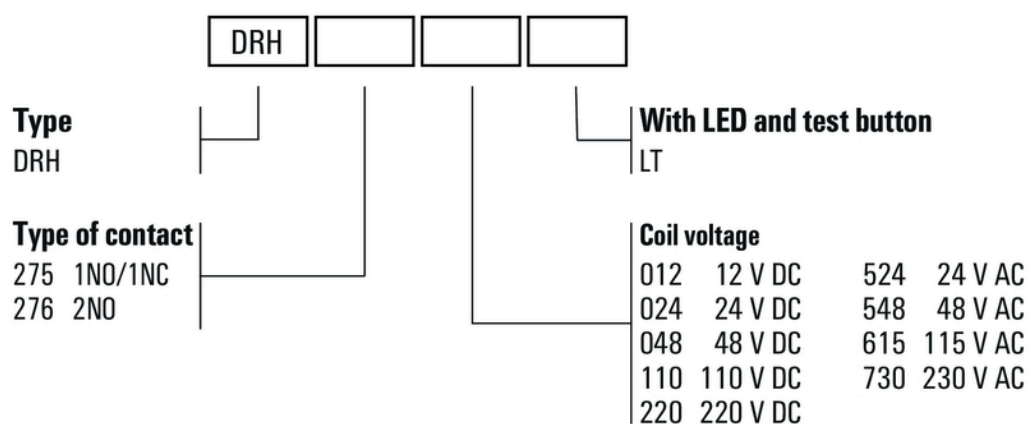


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[www.weidmueller.com](http://www.weidmueller.com)**Drawings****Miscellaneous**

Type codes

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