

DRH276012LT**Weidmüller Interface GmbH & Co. KG**

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Germany

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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: 12 V DC, Continuous current: 16 A, Flat blade connections (4.8 mm x 0.5 mm), Test button available: Yes |
| Order No. | 1220140000 |
| Type | DRH276012LT |
| GTIN (EAN) | 4032248998609 |
| 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 | 75.5 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 | 12 V DC | Rated current DC | 120 mA |
| Power rating | 1.5 W | Coil resistance | 100 Ω ± 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, 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 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 |

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 (4.8 mm x 0.5 mm) |
|------------------------|--|

Classifications

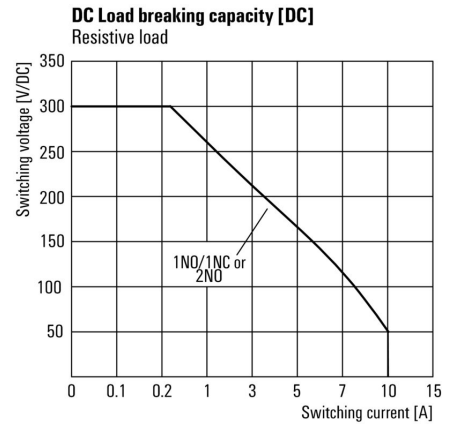
| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC001437 | ETIM 9.0 | EC001437 |
| ETIM 10.0 | EC001437 | ECLASS 14.0 | 27-37-16-01 |
| ECLASS 15.0 | 27-37-16-01 | | |

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



Miscellaneous



Type codes