

DRE570024L**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image

Relay from the D-SERIES DRE.

- 2 or 4 CO contacts
- Compact design
- Wide range of coil voltages
- Integrated with test button (AC red, DC blue)
- Integrated with status display (AC red, DC green) and/or free-wheel diode

General ordering data

| | |
|---------------|---|
| Version | D-SERIES DRE, Relay, Number of contacts: 4, CO contact, Ag alloy, Rated control voltage: 24 V DC, Continuous current: 3 A, Plug-in connection |
| Order No. | 7760054282 |
| Type | DRE570024L |
| GTIN (EAN) | 6944 1697 19905 |
| Qty. | 20 pc(s). |
| Local product | Only available in certain countries |

Creation date September 15, 2023 5:23:48 AM CEST

Catalogue status 01.09.2023 / We reserve the right to make technical changes.

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Technical data**General ordering data**

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Dimensions and weights

| | | | |
|------------|---------|-----------------|------------|
| Depth | 35.4 mm | Depth (inches) | 1.394 inch |
| Height | 27.2 mm | Height (inches) | 1.071 inch |
| Width | 21 mm | Width (inches) | 0.827 inch |
| Net weight | 35 g | | |

Temperatures

| | | | |
|-----------------------------|--|-----------------------------|----------------|
| Storage temperature | -40 °C...85 °C | Operating temperature | -40 °C...60 °C |
| Operating temperature, min. | -40 °C | Operating temperature, max. | 60 °C |
| Humidity | 35...85 % rel. humidity, no condensation | | |

Rated data UL

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

Control side

| | | | |
|-----------------------|-------------|--------------------------------|-----------------|
| Rated control voltage | 24 V DC | Rated current DC | 36.9 mA |
| Power rating | 0.9 W | Pull-in/drop-out voltage, typ. | 18 V / 2.4 V DC |
| Coil resistance | 640 Ω ± 10% | Status indicator | Green LED |

Load side

| | | | |
|---|---------------------------------------|---|-------------------------|
| Rated switching voltage | 250 V AC | Continuous current | 3 A |
| Max. switching voltage, AC | 250 V | AC switching capacity (resistive), max. | 750VA |
| DC switching capacity (resistive), max. | 72W @ 24V | Switch-on delay | < 20 ms |
| Switch-off delay | < 20 ms | Contact type | 4 CO contact (Ag alloy) |
| Mechanical service life | 10 x 10 ⁶ switching cycles | Min. switching power | 12 V / 10 mA |

General data

| | | | |
|--------------------------------------|-----|------------------------|--------------|
| Test button available | Yes | Version of test button | not lockable |
| Mechanical switch position indicator | Yes | Colour | Transparent |
| UL 94 flammability rating | V-2 | | |

Insulation coordination

| | | | |
|--|-----------------------------|--|-----------------------------|
| Rated voltage | 250 | Pollution severity | 2 |
| Surge voltage category | III | Dielectric strength for control side - load side | 2 kV _{eff} / 1 min |
| Dielectric strength of neighbouring contacts | 1 kV _{eff} / 1 min | Protection degree | IP20 |

Further details of approvals / standards

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

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Technical data

Connection data

Wire connection method Plug-in connection

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 | 27371601 |

Environmental Product Compliance

REACH SVHC Lead 7439-92-1

Approvals

Approvals



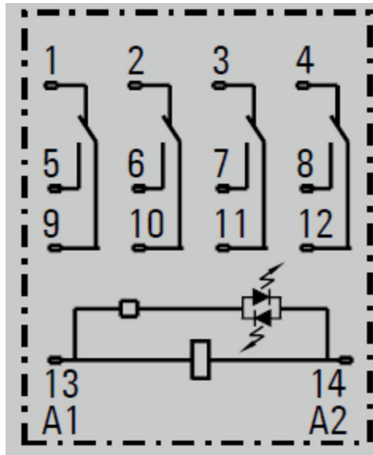
| | |
|-------------------------|------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate No. (cURus) | E312083 |

Downloads

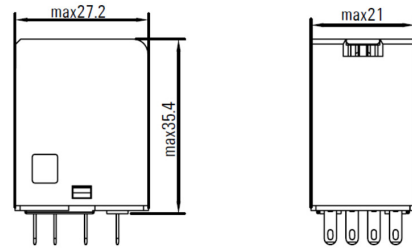
| | |
|---|--|
| Approval/Certificate/Document of Conformity | EU Declaration of Conformity |
| Catalogues | Catalogues in PDF-format |

Drawings

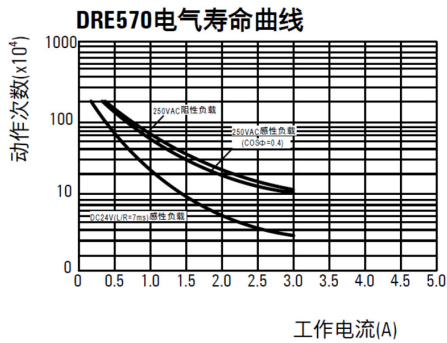
Wiring diagram



Dimensional drawing

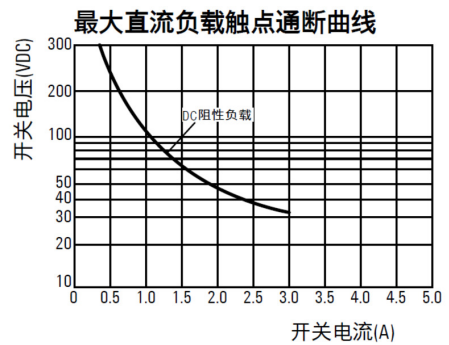


Graph



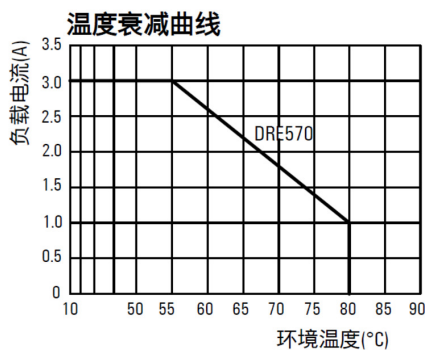
Electrical service life

Graph



DC load limit curve Resistive load

Graph



Derating curve Relay in combination with base

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Miscellaneous

| | | | | | |
|--------|--|--|--|--|--|
| 型号说明 | DRE | | | | |
| 型号 DRE | | | | | |
| 触点类型 | 570 4对转换触点 | | | | |
| 线圈代码 | 006 6Vdc / 012 12Vdc 024 24Vdc / 048 48Vdc 110 110Vdc / 220 220Vdc 524 24Vac / 548 48Vac 615 115Vav / 730 230Vac | | | | |
| 带指示灯 | L(交流线圈使用红色,直流线圈使用绿色) | | | | |
| 带保护二极管 | D | | | | |

Type codes