

DRM570524

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

Product image



Similar to illustration

Individual relays within the D-SERIES DRM

- 4 CO contacts
- Optional AC or DC coils

General ordering data

| | |
|------------|---|
| Version | D-SERIES DRM, Relay, Number of contacts: 4, CO contact, AgNi flash gold-plated, Rated control voltage: 24 V AC, Continuous current: 5 A, Plug-in connection |
| Order No. | 7760056083 |
| Type | DRM570524 |
| GTIN (EAN) | 4032248855186 |
| Qty. | 20 items |

Technical data

Approvals

Approvals



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

Dimensions and weights

| | | | |
|------------|---------|-----------------|-------------|
| Depth | 35.7 mm | Depth (inches) | 1.4055 inch |
| Height | 27.4 mm | Height (inches) | 1.0787 inch |
| Width | 21 mm | Width (inches) | 0.8268 inch |
| Net weight | 19.95 g | | |

Temperatures

| | | | |
|-----------------------|----------------|---------------------|--|
| Storage temperature | -40 °C...70 °C | Ambient temperature | -40 °C...55 °C |
| Operating temperature | | Humidity | 35...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 | 24 V AC | Rated current AC | 62.4 mA (50 Hz), 52.2 mA (60 Hz) |
| Power rating | 1.0...1.2VA (60HZ) | Coil resistance | 160 Ω ± 10 % |
| Status indicator | No | | |

Load side

| | | | |
|---|---------------------------|---|---------------------------------------|
| Rated switching voltage | 250 V AC | Continuous current | 5 A |
| Max. switching frequency at rated load | 0.1 Hz | Max. switching voltage, AC | 250 V |
| Inrush current | 10 A / 50 ms | AC switching capacity (resistive), max. | 1250 VA |
| DC switching capacity (resistive), max. | 120 W @ 24 V | Switch-on delay | <20 ms |
| Switch-off delay | <20 ms | Contact type | 4 CO contact (AgNi flash gold-plated) |
| Mechanical service life | 20 x 106 switching cycles | Min. switching power | 10 mA @ 12 V, 100 mA @ 5 V |

General data

| | | |
|--------------------------------------|--------------------------|-------------|
| Test button available | No | |
| Mechanical switch position indicator | Yes | |
| Colour | Transparent | |
| UL94 flammability rating component | Component | Relay cover |
| | UL94 flammability rating | V-2 |

Technical data

| | |
|--------------------------|------------------------|
| Component | Relay baseplate |
| UL94 flammability rating | V-0 |
| Component | Relay status indicator |
| UL94 flammability rating | HB |

Insulation coordination

| | | | |
|--|--------------------|---|------------------|
| Rated voltage | 250 V | Pollution severity | 2 |
| Surge voltage category | III | Clearance and creepage distances for control side - load side | ≥ 5.5 mm |
| Dielectric strength for control side - load side | 1.8 kVeff / 1 min. | Dielectric strength of neighbouring contacts | 1 kVeff / 1 min |
| Dielectric strength of open contact | 1 kVeff / 1 min | Impulse withstand voltage | 6 kV (1.2/50 µs) |
| Protection degree | IP20 | | |

Further details of approvals / standards

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

Connection data

| | |
|------------------------|--------------------|
| Wire connection method | Plug-in connection |
|------------------------|--------------------|

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 | | |

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



Miscellaneous



Type codes