

DRL173220L

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 DRL

- 1 CO contact
- Optional AC or DC coils
- With integrated status LED

General ordering data

| | |
|------------|--|
| Version | D-SERIES DRL, Relay, Number of contacts: 1, CO contact AgSnO, Rated control voltage: 220 V DC, Continuous current: 16 A, Flat blade connections (4.8 mm x 0.5 mm), Test button available: No |
| Order No. | 2765 140000 |
| Type | DRL173220L |
| GTIN (EAN) | 4064675077053 |
| Qty. | 20 items |

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E312083

Dimensions and weights

| | | | |
|------------|---------|-----------------|-------------|
| Depth | 36 mm | Depth (inches) | 1.4173 inch |
| Height | 28 mm | Height (inches) | 1.1024 inch |
| Width | 21.5 mm | Width (inches) | 0.8465 inch |
| Net weight | 34 g | | |

Temperatures

| | | | |
|-----------------------|----------------|---------------------|--------------------------------------|
| Storage temperature | -25 °C...55 °C | Ambient temperature | -25 °C...55 °C |
| Operating temperature | | Humidity | 35 % to 85 % relative humidity level |

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 | 220 V DC | Rated current DC | 5.2 mA |
| Power rating | 0.9 W | Coil resistance | 42000 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 | 250 V |
| Inrush current | 80 A / 50 ms | AC switching capacity (resistive), max. | 4000 VA |
| DC switching capacity (resistive), max. | 480 W @ 24 V | Switch-on delay | <20 ms |
| Switch-off delay | <20 ms | Contact type | 1 CO contact (AgSnO) |
| Mechanical service life | 10 x 10 ⁶ switching cycles | Min. switching power | 10 mA @ 12 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 |
| | Component | Relay baseplate |
| | UL94 flammability rating | V-0 |
| | Component | Relay status indicator |
| | UL94 flammability rating | HB |

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Insulation coordination

| | | | |
|---|------------------|--|--------------------|
| Rated voltage | 250 V | Pollution severity | 3 |
| Surge voltage category | III | Insulating material group | IIIa |
| Clearance and creepage distances for control side - load side | ≥ 4 mm | Dielectric strength for control side - load side | 2.5 kVeff / 1 min |
| Dielectric strength of neighbouring contacts | 2 kVeff / 1 min | Dielectric strength of open contact | 1.2 kVeff / 1 min. |
| Impulse withstand voltage | 5 kV (1.2/50 µs) | Protection degree | IP20 |

Further details of approvals / standards

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

Connection data

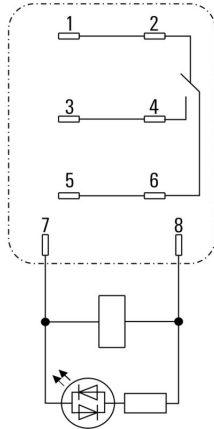
| | |
|------------------------|---|
| Wire connection method | Flat blade connections (4.8 mm x 0.5 mm) |
|------------------------|---|

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 | | |

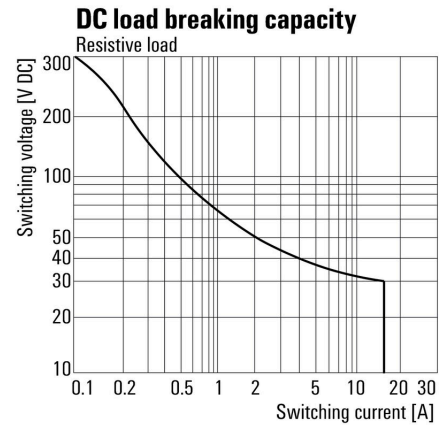
Drawings

Wiring diagram



View of Pins from below

DC load limit curve



DC load limit curve Resistive load

Graph



Electrical service life

Graph



DC operational voltage range

Dimensional drawing



Miscellaneous



Type codes