DRL370048L

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
- 3 CO contacts
- Optional AC or DC coils
- With integrated status LED

General ordering data

Version	D-SERIES DRL, Relay, Number of contacts: 3, CO contact AgCdO, Rated control voltage: 48 V DC, Continuous current: 10 A, Flat blade connections (4.8 mm x 0.5 mm), Test button available: No
Order No.	1133590000
Type	DRL370048L
GTIN (EAN)	4032248953011
Qty.	10 pc(s).
Available until	2021-04-30
Alternative product	2765230000

Creation date September 16, 2022 1:05:40 AM CEST

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Technical data

Dimensions and weights

Depth	36 mm	Depth (inches)	1.417 inch
Height	28 mm	Height (inches)	1.102 inch
Width	31.5 mm	Width (inches)	1.24 inch
Net weight	5 g		

Temperatures

Storage temperature	-25 °C...55 °C	Operating temperature	-25 °C...55 °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	48 V DC	Rated current DC	30 mA
Power rating	1.4 W	Pull-in/drop-out voltage, typ.	36 V / 4.8 V DC
Coil resistance	1600 Ω ± 10 %	Coil tolerance	10 %
Status indicator	Green LED		

Load side

Rated switching voltage	250 V AC	Continuous current	10 A
Max. switching frequency at rated load	0.1 Hz	Inrush current	50 A / 50 ms
AC switching capacity (resistive), max.	2500 VA	DC switching capacity (resistive), max.	240 W @ 24 V
Switch-on delay	< 20 ms	Switch-off delay	< 20 ms
Contact type	3 CO contact (AgCdO)	Mechanical service life	10 x 10^6 switching cycles
Min. switching power	100 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 kV_{eff} / 1 min
Dielectric strength of neighbouring contacts	1.2 kV_{eff} /1 min.	Dielectric strength of open contact	1.2 kV_{eff} /1 min.
Impulse withstand voltage	5 kV (1.2/50 µs)	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 (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

Important note

Product information	This article uses an exemption named in Annex III of the RoHS Directive 2011/65/EU "8b - Cadmium and cadmium compounds in electrical contacts", which could only be valid until 21.07.2021, depending on the product category. Please check whether you can use this article depending on the place of marketing and the product category concerned. Alternative product with modified contact material:

Approvals

Approvals

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

Downloads

Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD
Product Change Notification	Product Change Notification - Deutsch Product Change Notification - English
Catalogues	Catalogues in PDF-format
Brochures	

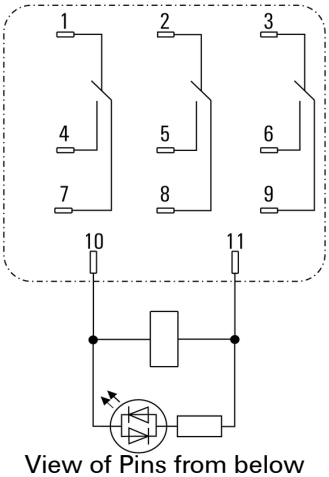
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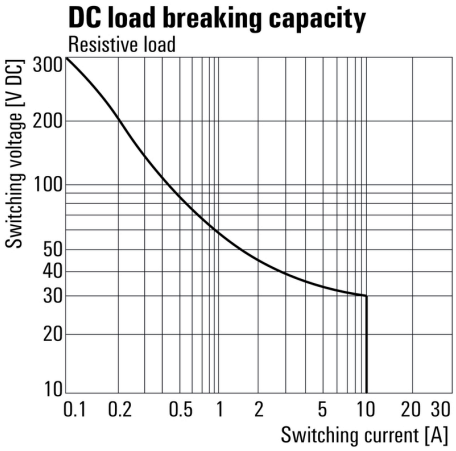
Drawings

Wiring diagram



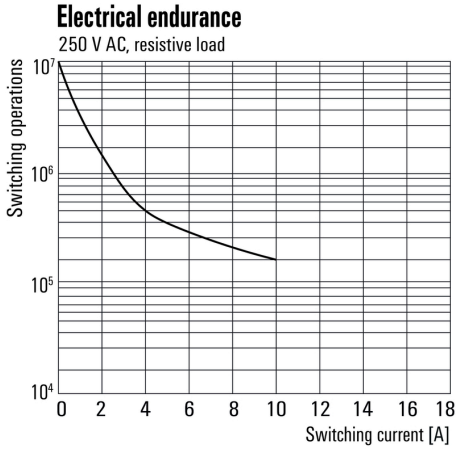
View of Pins from below

DC load limit curve



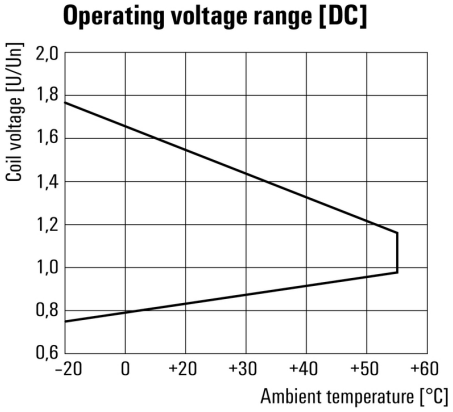
DC load limit curve
Resistive load

Graph



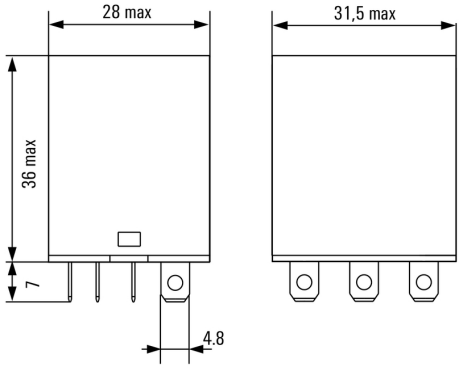
Electrical service life

Graph



DC operational voltage range

Dimensional drawing



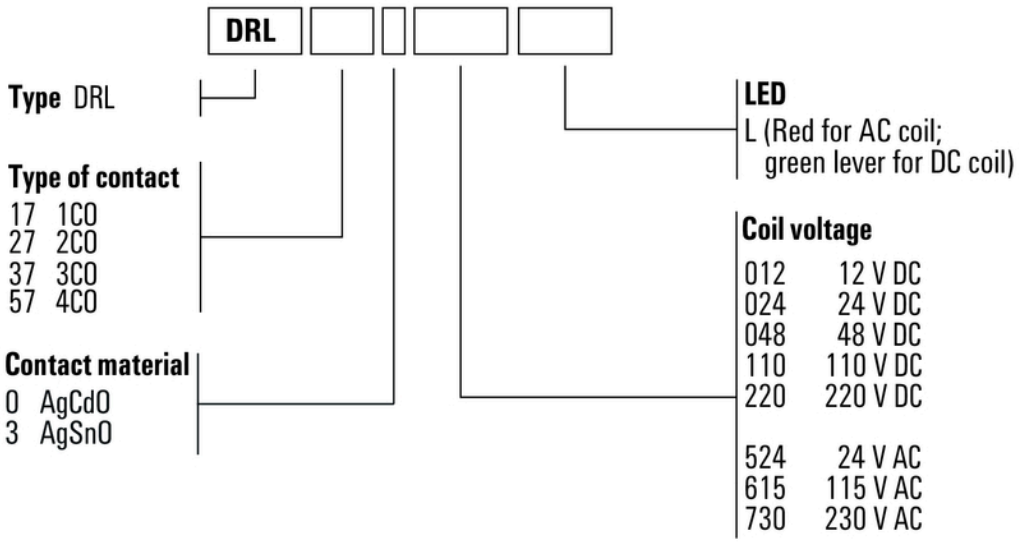
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Drawings

Miscellaneous



Type codes