Data sheet

DRL570012L

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

General ordering data

Version	D-SERIES DRL, Relay, Number of contacts: 4, CO contact AgCdO, Rated control voltage: 12 V DC, Continuous current: 10 A, Flat blade connections (4.8 mm x 0.5 mm), Test button available: No
Order No.	1133620000
Type	DRL570012L
GTIN (EAN)	4032248953042
Qty.	10 items
Delivery status	Discontinued
Available until	2021-04-30T00:00:00+02:00
Alternative product	DRL573012L

Data sheet

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Technical data

Approvals

Approvals	cULus
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	41.5 mm	Width (inches)	1.6339 inch
Net weight	65 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	Cadmiumoxid 1306-19-0
SCIP	d639b09c-1311-4897-9d28-417da254eb99

Rated data UL

Certificate No. (cURus)	E312083

Control side

Rated control voltage	12 V DC	Rated current DC	125 mA
Power rating	1.5 W	Coil resistance	96 Ω ± 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	Max. switching voltage, AC	250 V
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	4 CO contact (AgCdO)
Mechanical service life	10 x 106 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 kVeff / 1 min
Dielectric strength of neighbouring contacts	1.2 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)

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: 2765260000

Classifications

ETIM 6.0	EC001437	ETIM 7.0	EC001437
ETIM 8.0	EC001437	ETIM 9.0	EC001437
ETIM 10.0	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	27-37-16-01	ECLASS 14.0	27-37-16-01
ECLASS 15.0	27-37-16-01		

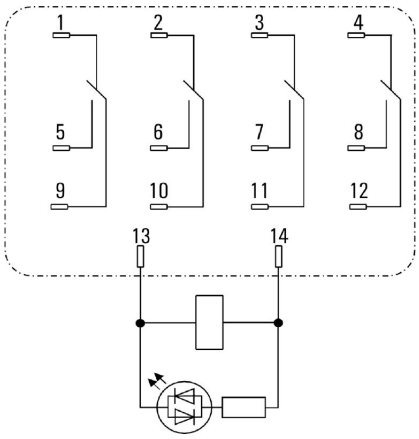
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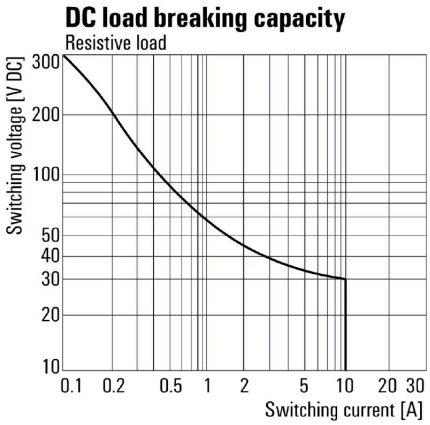
Drawings

Wiring diagram



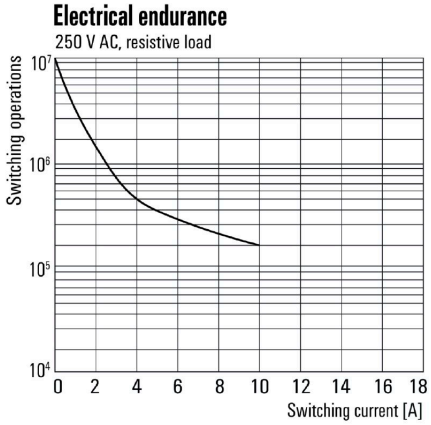
View of Pins from below

DC load limit curve



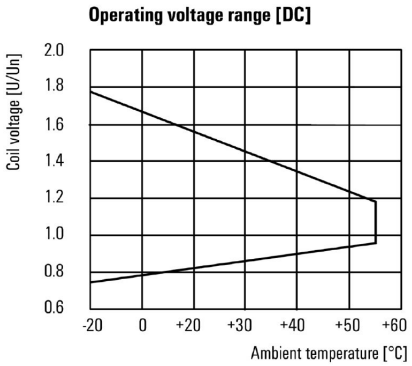
DC load limit curve Resistive load

Graph



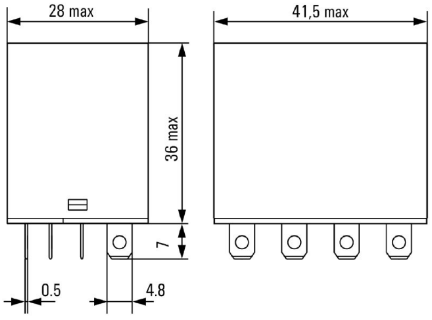
Electrical service life

Graph



DC operational voltage range

Dimensional drawing



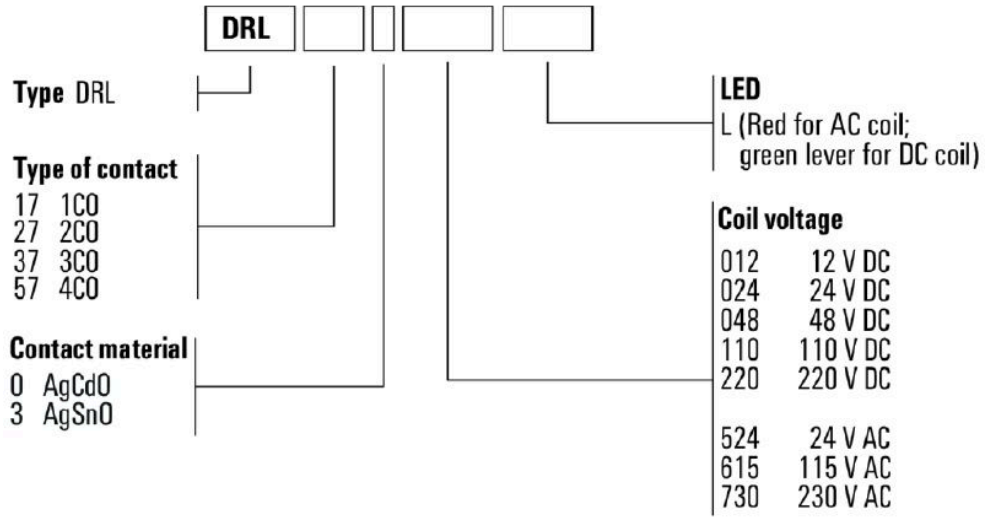
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Drawings

Miscellaneous



Type codes