

**DRL273110L****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image**

Similar to illustration

Individual relays within the D-SERIES DRL

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

**General ordering data**

Version	D-SERIES DRL, Relay, Number of contacts: 2, CO contact AgSnO, Rated control voltage: 110 V DC, Continuous current: 10 A, Flat blade connections (4.8 mm x 0.5 mm), Test button available: No
Order No.	<a href="#">2765180000</a>
Type	DRL273110L
GTIN (EAN)	4064675077015
Qty.	20 pc(s).

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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	21.5 mm	Width (inches)	0.846 inch
Net weight	33.55 g		

**Temperatures**

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

**Rated data UL**

Certificate No. (cURus)	E312083
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**Control side**

Rated control voltage	110 V DC	Rated current DC	10 mA
Power rating	0.9 W	Coil resistance	11000 $\Omega \pm 10 \%$
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	Max. switching voltage, AC	250 V
Inrush current	50 A / 50 ms	AC switching capacity (resistive), max.	2500 VA
DC switching capacity (resistive), max.	300 W @ 24 V	Switch-on delay	< 20 ms
Switch-off delay	< 20 ms	Contact type	2 CO contact (AgSnO)
Mechanical service life	10 x 10 <sup>6</sup> 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

**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	$\geq 4$ mm	Dielectric strength for control side - load side	2.5 kV <sub>eff</sub> / 1 min
Dielectric strength of neighbouring contacts	1.2 kV <sub>eff</sub> / 1 min.	Dielectric strength of open contact	2 kV <sub>eff</sub> / 1 min
Impulse withstand voltage	5 kV (1.2/50 $\mu$ s)	Protection degree	IP20

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Certificate No. (cURus)	E312083
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**Connection data**

Wire connection method	Flat blade connections (4.8 mm x 0.5 mm)
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**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	27-37-16-01

**Approvals**

Approvals



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

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">EU Konformitätserklärung / EU Declaration of Conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">FL_D-SERIES_DRL2CO_LOAD_GUIDE</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

## DRL273110L

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

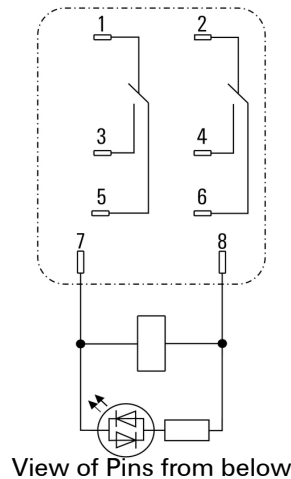
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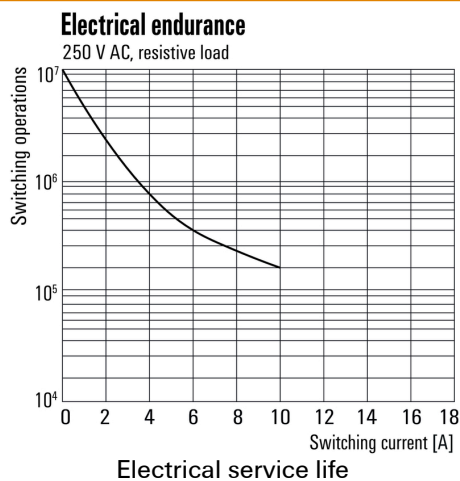
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## Drawings

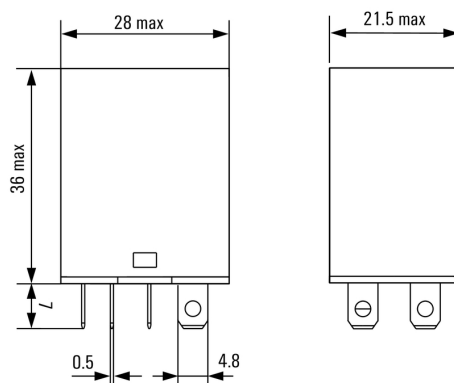
## Wiring diagram



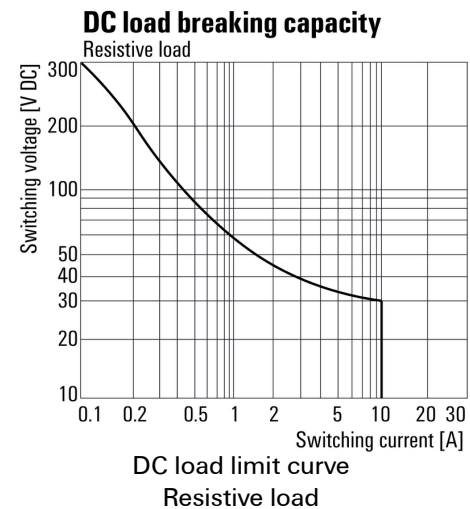
## Graph



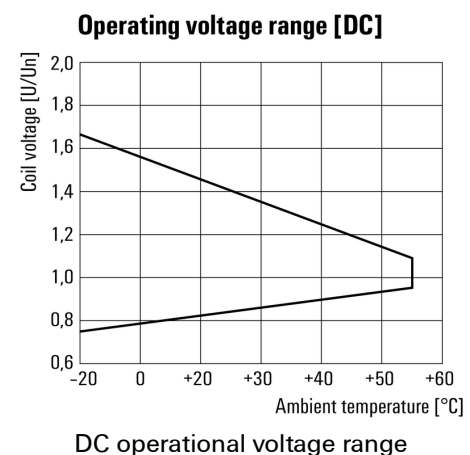
## Dimensional drawing



## DC load limit curve



## Graph

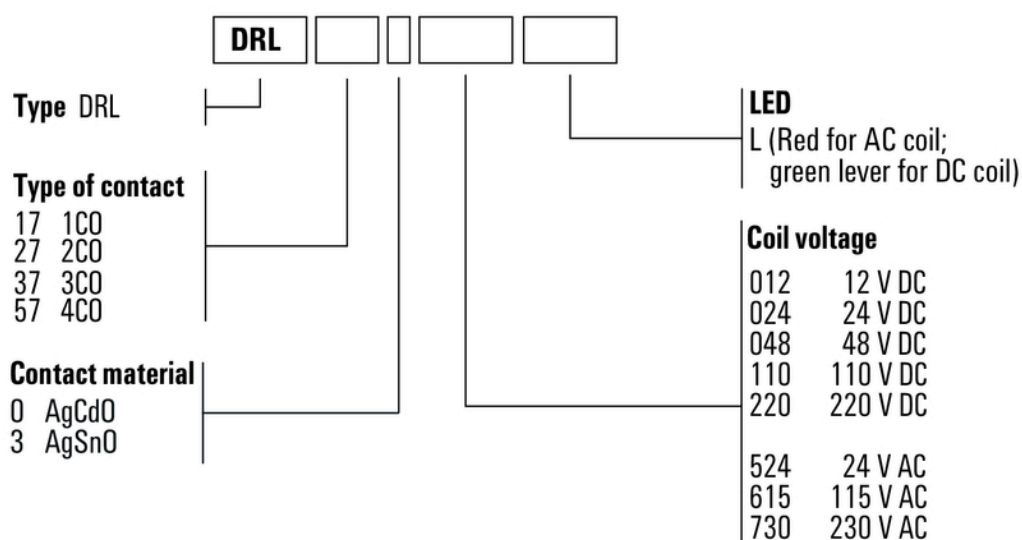


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Type codes