

## DRL273110L

**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

- 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 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	33.55 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	110 V DC	Rated current DC	10 mA
Power rating	0.9 W	Coil resistance	11000 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.	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	
UL94 flammability rating component	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	1.2 kVeff / 1 min.	Dielectric strength of open contact	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
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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 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