

**DRI314024LTD****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image**

Individual relays within the D-SERIES DRI

- 1 CO contact
- DC coils
- With integrated status LED, free-wheeling diode and test button

**General ordering data**

Version	D-SERIES DRI, Relay, Number of contacts: 1, CO contact AgSnO, Rated control voltage: 24 V DC, Continuous current: 10 A, Flat blade connections (4.7 mm x 0.5 mm), Test button available: Yes
Order No.	<a href="#">7760056315</a>
Type	DRI314024LTD
GTIN (EAN)	6944 169740206
Qty.	20 pc(s).

Creation date June 2, 2023 6:51:19 AM CEST

Catalogue status 26.05.2023 / We reserve the right to make technical changes.

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## Technical data

## Dimensions and weights

Depth	33.5 mm	Depth (inches)	1.319 inch
Height	31 mm	Height (inches)	1.22 inch
Width	13 mm	Width (inches)	0.512 inch
Net weight	20.108 g		

## Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...55 °C
Operating temperature, min.	-40 °C	Operating temperature, max.	55 °C
Humidity	35...85 % rel. humidity, no condensation		

## Rated data UL

Certificate No. (cURus)	E312083
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## Control side

Rated control voltage	24 V DC	Rated current DC	21,8 mA
Power rating	530 mW	Pull-in/drop-out voltage, typ.	18 V / 3.6 V DC
Coil resistance	1100 Ω ± 10 %	Coil tolerance	10 %
Status indicator	Green LED	Protective circuit	Free-wheeling diode

## Load side

Rated switching voltage	250 V AC	Continuous current	10 A
Max. switching frequency at rated load	0.1 Hz	Max. switching voltage, DC	250 V
AC switching capacity (resistive), max.	2500 VA	DC switching capacity (resistive), max.	240 W @ 24 V
Switch-on delay	≤ 15 ms	Switch-off delay	≤ 10 ms
Contact type	1 CO contact (AgSnO)	Mechanical service life	10 x 10 <sup>6</sup> switching cycles
Min. switching power	10 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V		

## General data

Test button available	Yes	
Version of test button	Lockable test button, Momentary test button	
Mechanical switch position indicator	No	
Colour	Transparent	
UL94 flammability rating component	Component	Relay cover
	UL94 flammability rating	V-2
	Component	Relay baseplate
	UL94 flammability rating	V-0
	Component	Relay test button
	UL94 flammability rating	HB

## Insulation coordination

Rated voltage	300 V	Pollution severity	2
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	5 kV <sub>eff</sub> / 1 min
Dielectric strength of open contact	1 kV <sub>eff</sub> / 1 min	Impulse withstand voltage	5 kV (1.2/50 μs)
Protection degree	IP20		

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**Technical data****Further details of approvals / standards**

Certificate No. (cURus) E312083

**Connection data**Wire connection method Flat blade connections  
(4.7 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

**Environmental Product Compliance**

REACH SVHC Lead 7439-92-1

**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>
Engineering Data	<a href="#">WSCAD, EPLAN</a>
Product Change Notification	<a href="#">20210401 Product change Notification D-SERIES DRI relays - status indicator</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

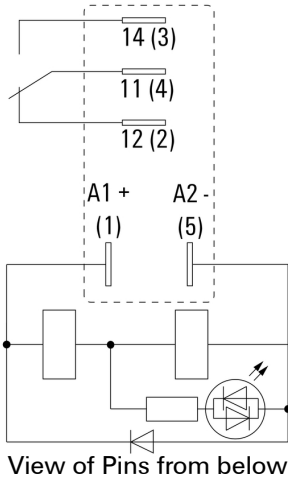
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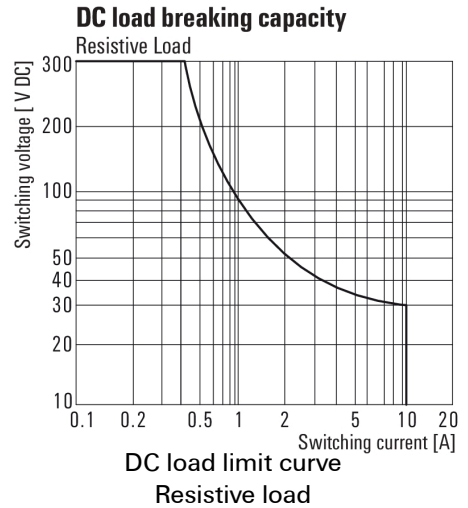
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**Drawings**

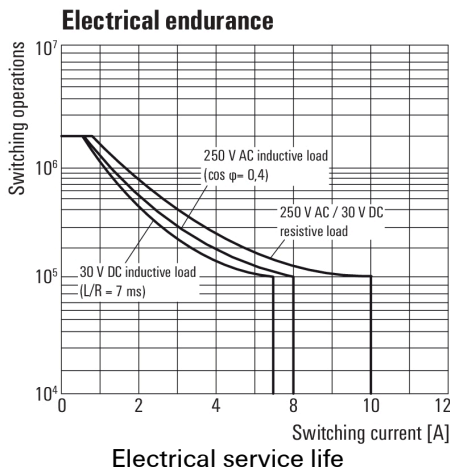
**Wiring diagram**



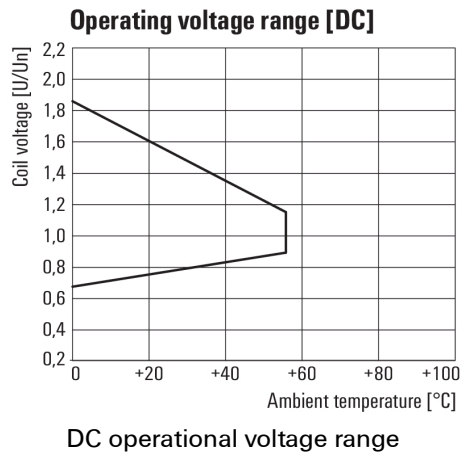
**Graph**



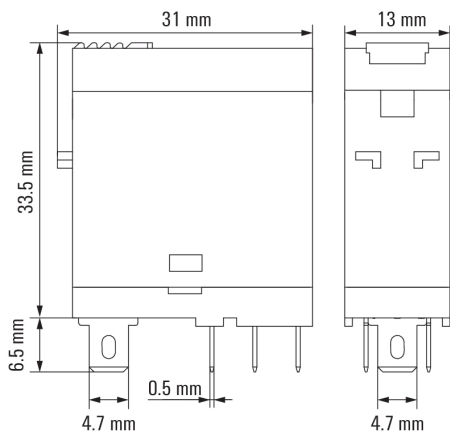
**Graph**



**Graph**



**Dimensional drawing**



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**Drawings**

**Miscellaneous**



Type codes