

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)
Order No.	7760056315
Type	DRI314024LTD
GTIN (EAN)	6944 169740206
Qty.	20 pc(s).

Creation date March 29, 2021 8:50:18 PM CEST

Catalogue status 12.03.2021 / 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
Net weight	20.108 g	Width	13 mm
Width (inches)	0.512 inch		

Temperatures

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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Rated data UL

Certificate No. (cURus)	E312083
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Control side

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

Load side

AC switching capacity (resistive), max.	2500 VA	Continuous current	10 A
DC switching capacity (resistive), max.	240 W @ 24 V	Max. switching frequency at rated load	0.1 Hz
Max. switching voltage, DC	250 V	Min. switching power	10 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V
Rated switching voltage	250 V AC	Switch-off delay	≤ 10 ms
Switch-on delay	≤ 15 ms		

Contact data

Contact type	1 CO contact (AgSnO)	Mechanical service life	10 x 10 ⁶ switching cycles
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General data

Test button	yes (lockable)		
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	
	Component	Relay test button	
	UL94 flammability rating	HB	

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Insulation coordination

Creepage and clearance distance input – output	≥ 4 mm	Dielectric strength of open contact	1 kV _{eff} / 1 min
Dielectric strength, Input/Output	5 kV _{eff} / 1min	Impulse withstand voltage	5 kV (1.2/50 μs)
Insulating material group	IIIa	Pollution severity	2
Protection degree	IP20	Rated voltage	300 V
Surge voltage category	III		

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
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Connection data

Wire connection method	Flat blade connections (4.7 mm x 0.5 mm)
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Classifications

ETIM 6.0	EC001437	ETIM 7.0	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

Approvals

Approvals



ROHS	Conform
UL File Number Search	E312083

Downloads

Approval/Certificate/Document of Conformity	EU Konformitätserklärung / EU Declaration of Conformity
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD

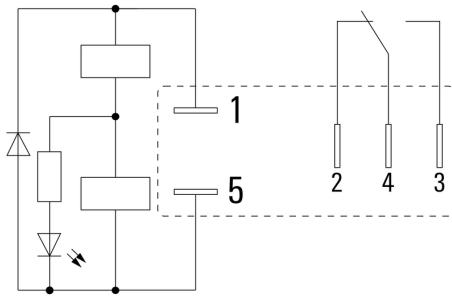
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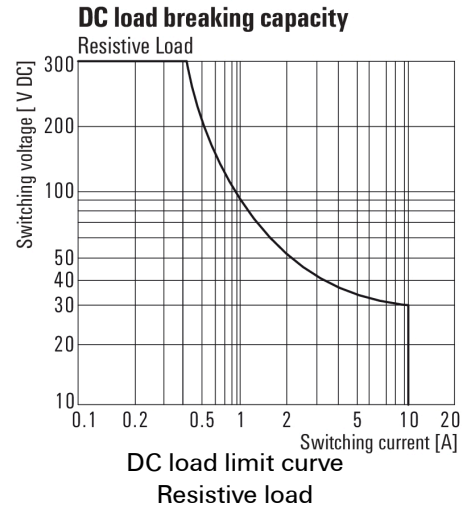
Drawings

Wiring diagram

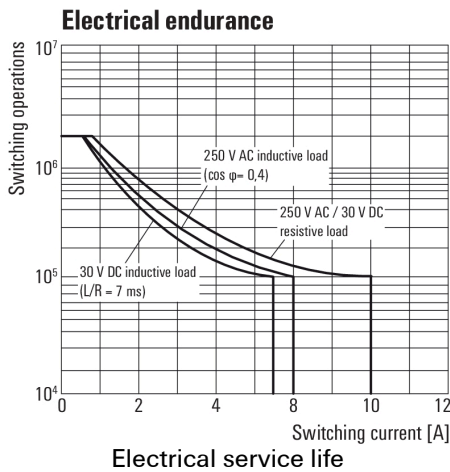


View of Pins from below

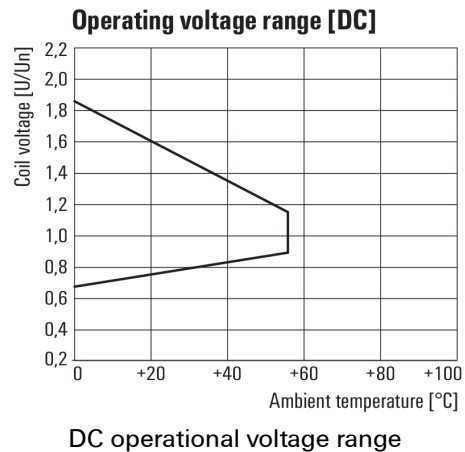
Graph



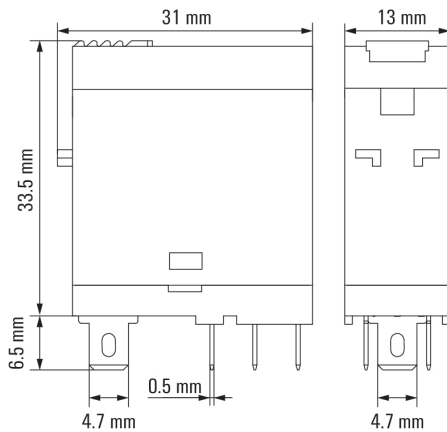
Graph



Graph



Dimensional drawing



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Drawings

Miscellaneous



Type codes