

**D-SERIES DRI
DRI314524LT****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

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Fax: +49 5231 14-292083

www.weidmueller.com



Relay from the D-SERIES DRI

- 1 or 2 CO contacts
- Robust industrial plug-in connections
- Optional: latching / spring return operable test button with coloured control voltage identification (AC coil: red / DC coil: blue)
- Optional: Mechanical switch position indication (for version with test button)
- Optional: Bright status LED (AC coil: red / DC coil: green)
- Optional: free-wheeling diode

General ordering data

Type	DRI314524LT
Order No.	7760056318
Version	D-SERIES DRI, Relay, No. of contacts: 1 CO contact with test button AgNi, Rated control voltage: 24 V AC, Continuous current: 10 A, Flat blade connections (4.7 mm x 0.5 mm)
GTIN (EAN)	6944169740237
Qty.	20 pc(s).

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Technical data
Dimensions and weights

Width	13 mm	Width (inches)	0.512 inch
Height	31 mm	Height (inches)	1.22 inch
Depth	33.5 mm	Depth (inches)	1.319 inch
Net weight	23.05 g		

Temperatures

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

Input

Rated control voltage	24 V AC	Rated current AC	50 mA
Power rating	1.2 VA	Pull-in/drop-out voltage, typ.	19.2 V / 7.2 V AC
Coil resistance	240 $\Omega \pm 10\%$	Status indicator	red LED

Output

Rated switching voltage	250 V AC	Max. switching voltage, AC	250 V
Max. switching voltage, DC	250 V	Continuous current	10 A
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
Min. switching power	10 mA @ 12 V, 100 mA @ 5 V	Max. switching frequency at rated load	0.1 Hz

Contact data

Contact type	1 CO contact with test button (AgNi)	Mechanical service life	10 x 10 ⁶ switching cycles
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General data

Test button	yes (lockable)	Mechanical switch position indicator	Yes
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Insulation coordination

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

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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Creation date March 11, 2018 10:21:38 AM CET

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Technical data**Classifications**

ETIM 5.0	EC001437	ETIM 6.0	EC001437
eClass 6.2	27-37-16-01	eClass 7.1	27-37-16-01
eClass 8.1	27-37-16-01	eClass 9.0	27-37-16-01
eClass 9.1	27-37-16-01		

Approvals

Approvals



ROHS

Conform

DownloadsApproval/Certificate/Document of
Conformity[DE_PA_5600_160310_002.pdf](#)

Engineering Data

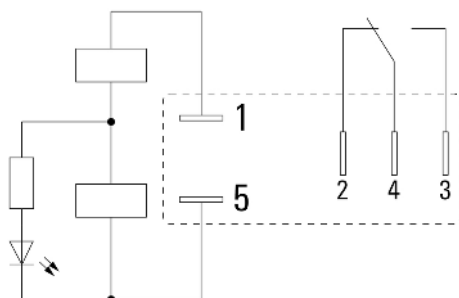
[EPLAN, WSCAD](#)

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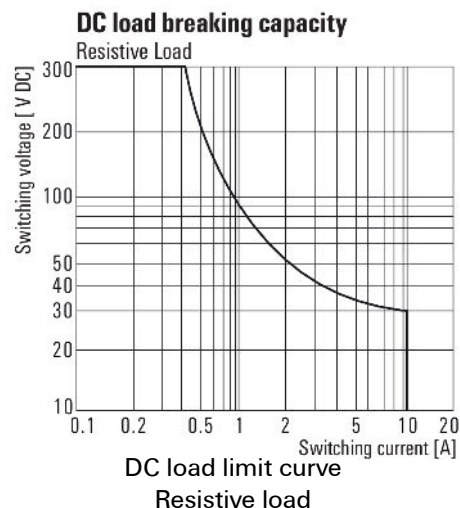
Drawings

Wiring diagram

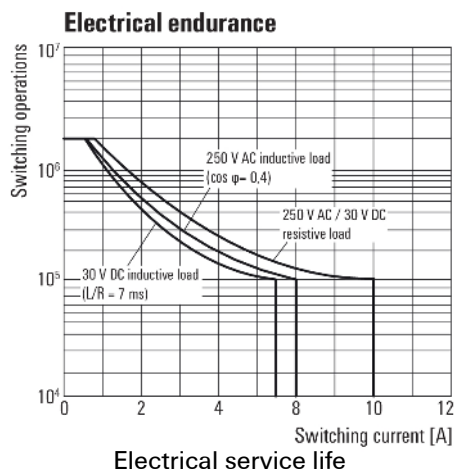


View of Pins from below

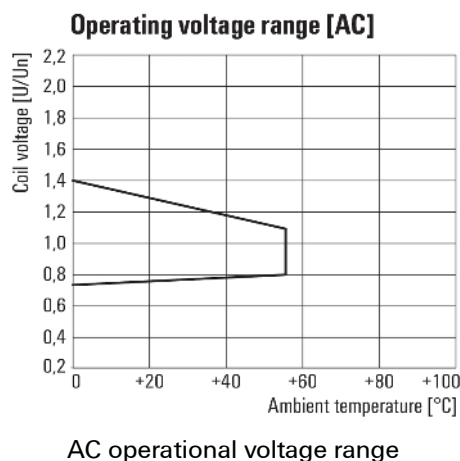
Graph



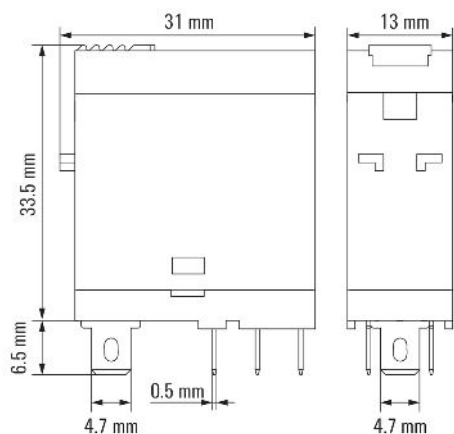
Graph



Graph



Dimensional drawing



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Drawings
Miscellaneous

Type code	DRI					
Type	DRI					
Type of construction	314 1 CO contact 424 2 CO contacts					
Coil voltage	012 12 V DC 024 24 V DC 048 48 V DC 110 110 V DC 524 24 V AC 615 115 V AC 730 230 V AC					
LED	L (Red for AC coil; green for DC coil)					
Test lever including mechanical status indicator	T (Red lever for AC coil; blue lever for DC coil)					
Free wheeling diode	D					

Type codes