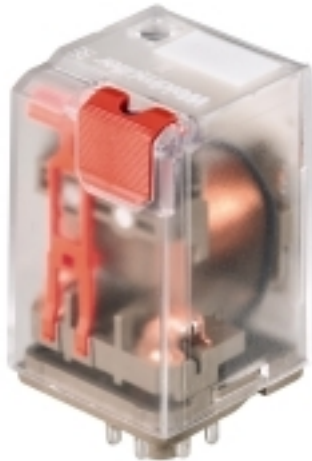


RRD221012**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

Similar to illustration

General ordering data

Version	RIDERSERIES RRD, Relay, Number of contacts: 2, CO contact with test button AgNi, Rated control voltage: 12 V DC, Continuous current: 10 A, Plug-in connection, Test button available: Yes
Order No.	8690350000
Type	RRD221012
GTIN (EAN)	4032248360970
Qty.	25 pc(s).
Delivery status	This article will no longer be available in the future.
Available until	2022-03-10
Alternative product	2765010000

Creation date September 18, 2022 3:42:55 AM CEST

RRD221012

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Technical data

Dimensions and weights

Depth	57 mm	Depth (inches)	2.244 inch
Height	35.5 mm	Height (inches)	1.398 inch
Width	35.5 mm	Width (inches)	1.398 inch
Net weight	82.08 g		

Temperatures

Storage temperature	-40 °C...60 °C	Operating temperature	-40 °C...60 °C
Humidity	40 °C / 93 % rel. humidity, no condensation		

Rated data UL

Certificate No. (cURus)	E224238
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Control side

Rated control voltage	12 V DC	Rated current DC	109.1 mA
Power rating	1.2 W	Pull-in/drop-out voltage, typ.	9 V / 1.2 V DC
Coil resistance	110 Ω $\pm$ 10 %	Coil tolerance	10 %

Load side

Rated switching voltage	240 V AC	Continuous current	10 A
Max. switching frequency at rated load	0.1 Hz	Inrush current	20 A / 20 ms
AC switching capacity (resistive), max.	2500 VA	DC switching capacity (resistive), max.	240 W @ 24 V
Switch-on delay	$\leq$ 15 ms	Switch-off delay	$\leq$ 10 ms
Contact type	2 CO contact with test button (AgNi)	Mechanical service life	20 x 10 ⁶ switching cycles
Min. switching power	1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V		

General data

Test button available	Yes	Version of test button	lockable
Mechanical switch position indicator	Yes	Colour	Transparent
UL 94 flammability rating	V-2		

Insulation coordination

Rated voltage	250 V	Pollution severity	2
Surge voltage category	III	Insulating material group	IIIa
Creepage and clearance distance input – output	$\leq$ 3 mm	Dielectric strength, Input/Output	2.5 kV _{eff} / 1 Min.
Dielectric strength of neighbouring contacts	2.5 kV _{eff} / 1 Min.	Dielectric strength of open contact	1.5 kV _{eff} / 1 min.
Impulse withstand voltage	2.5 kV (1.2/50 μ s)	Protection degree	IP20

Further details of approvals / standards

Standards	IEC 61810-1, UL508	Certificate No. (CSA)	249409-2426937
Certificate No. (VDE)	40011757	Certificate No. (cURus)	E224238

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Technical data

Connection data

Wire connection method	Plug-in connection
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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

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E224238

Downloads

Approval/Certificate/Document of Conformity	EU Konformitätserklärung / EU Declaration of Conformity
Engineering Data	EPLAN, WSCAD
Catalogues	Catalogues in PDF-format

RRD221012

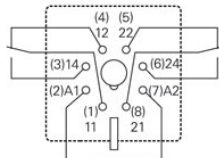
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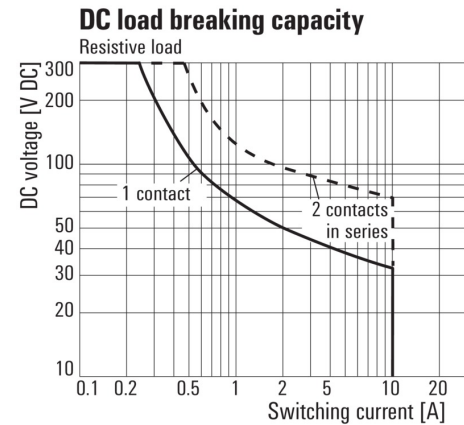
Drawings

Wiring diagram

Circuit diagram
View of connections

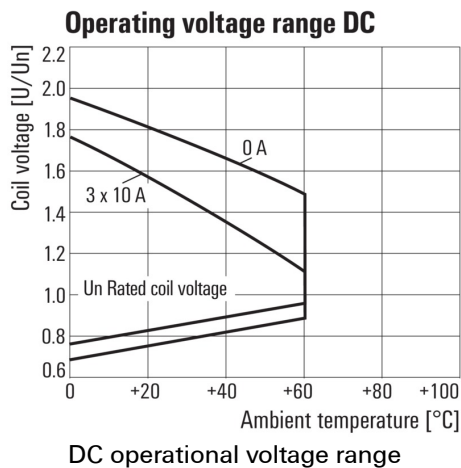


Graph

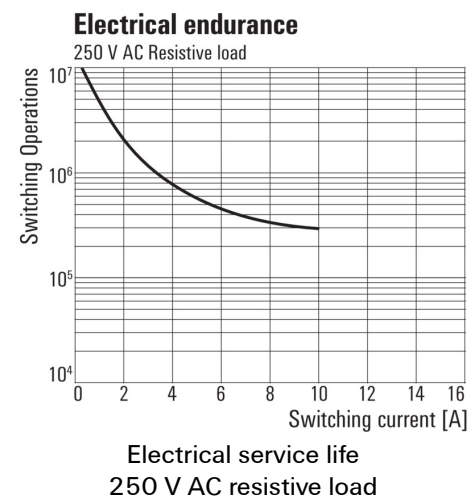


DC load limit curve
Resistive load

Graph



Graph



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Drawings

Miscellaneous

	RRD				
Type RIDER Round					
Type of contact 2 2CO, 8-pole 3 3CO, 11-pole					
Contact material 2 AgNi 90/10					
Type of construction 1 DC coil with test button 3 DC coil with test button and bi-polar LED 6 AC coil with test button 8 AC coil with test button and bi-polar LED					
				Coil voltage	
				006	6 V DC
				012	12 V DC
				024	24 V DC
				048	48 V DC
				060	60 V DC
				110	110 V DC
				220	220 V DC
				0C4	24 V DC+ free wheel diode
				0E8	48 V DC+ free wheel diode
				0G0	60 V DC+ free wheel diode
				1B0	110 V DC+ free wheel diode
				2C0	220 V DC+ free wheel diode
				006	6 V AC
				012	12 V AC
				024	24 V AC
				048	48 V AC
				115	115 V AC
				230	230 V AC

Type codes