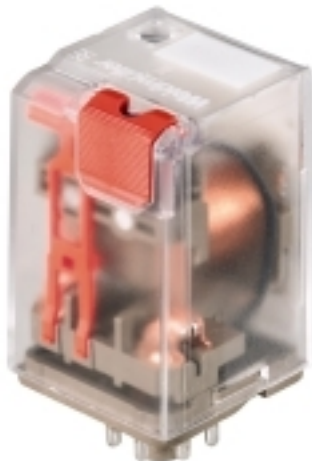


RRD221012**Weidmüller Interface GmbH & Co. KG**

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 90/10, Rated control voltage: 12 V DC, Continuous current: 10 A, Plug-in connection
Order No.	8690350000
Type	RRD221012
GTIN (EAN)	4032248360970
Qty.	25 pc(s).

Creation date March 29, 2021 11:07:00 PM CEST

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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
Net weight	82.08 g	Width	35.5 mm
Width (inches)	1.398 inch		

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

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

Load side

AC switching capacity (resistive), max.	2500 VA	Continuous current	10 A
DC switching capacity (resistive), max.	240 W @ 24 V	Inrush current	20 A / 20 ms
Max. switching frequency at rated load	0.1 Hz	Max. switching voltage, AC	400 V
Min. switching power	1 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	2 CO contact with test button (AgNi 90/10)	Mechanical service life	20 x 10 ⁶ switching cycles
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General data

Test button	yes (lockable)	Mechanical switch position indicator	Yes
Colour	Transparent	UL 94 flammability rating	V-2

Insulation coordination

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

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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www.weidmueller.com**Technical data****Connection data**

Wire connection method	Plug-in connection
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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	E224238

Downloads

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

RRD221012

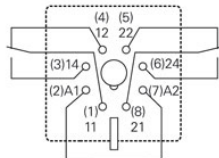
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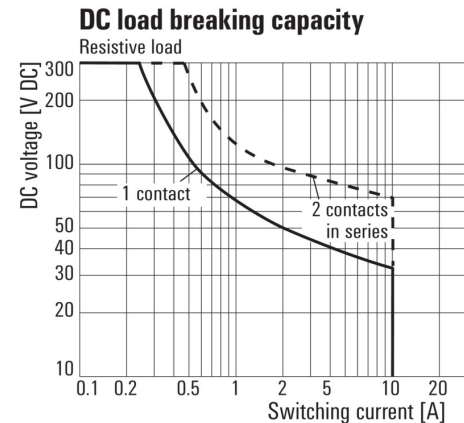
Drawings

Wiring diagram

Circuit diagram
View of connections

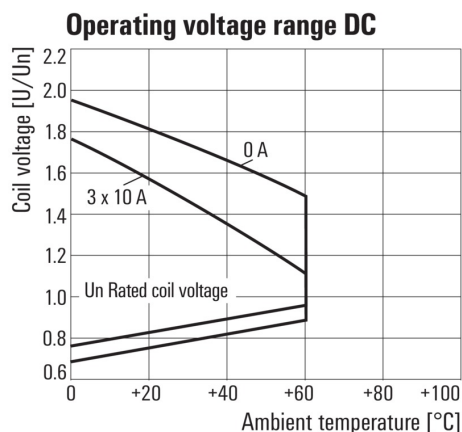


Graph



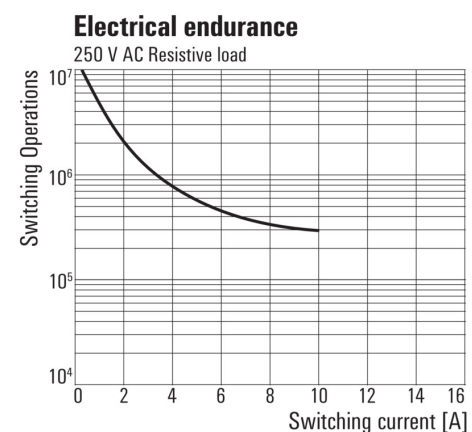
DC load limit curve
Resistive load

Graph



DC operational voltage range

Graph



Electrical service life
250 V AC resistive load

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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