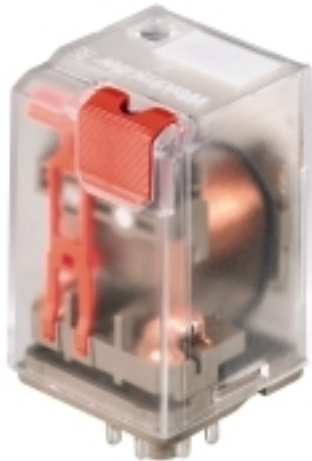


**RIDERSERIES RRD
RRD321220**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Product image

Similar to illustration

The ideal relay version for the separation of input and output signals in industrial automation.

High powers can be safely switched with the RIDERSERIES.

Conventional relays and LED indicators are simply plugged in, retaining and disassembly clips provide a secure fixing.

General ordering data

Type	RRD321220
Order No.	7940007742
Version	RIDERSERIES RRD, Relay, Number of contacts: 3, CO contact with test button AgNi 90/10, Rated control voltage: 220 V DC, Continuous current: 10 A, Plug-in connection
GTIN (EAN)	4032248491612
Qty.	25 pc(s).

Creation date July 9, 2020 9:03:46 AM CEST

Catalogue status 09.07.2020 / We reserve the right to make technical changes.

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Technical data
Dimensions and weights

Width	35.5 mm	Width (inches)	1.398 inch
Height	35.5 mm	Height (inches)	1.398 inch
Depth	57 mm	Depth (inches)	2.244 inch
Net weight	82.6 g		

Temperatures

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

Rated data UL

Certificate No. (cURus)	E224238
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Input

Rated control voltage	220 V DC	Rated current DC	5.5 mA
Power rating	1.2 W	Pull-in/drop-out voltage, typ.	165 V / 22 V DC
Coil resistance	40000 $\Omega \pm 15\%$		

Output

Rated switching voltage	240 V AC	Max. switching voltage, AC	400 V
Continuous current	10 A	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	≤ 15 ms	Switch-off delay	≤ 10 ms
Min. switching power	1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V	Max. switching frequency at rated load	0.1 Hz

Contact data

Contact type	3 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

Rated voltage	250 V	Surge voltage category	III
Pollution severity	2	Insulating material group	IIIa
Protection degree	IP20	Dielectric strength, Input/Output	2.5 kV _{eff} / 1 Min.
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.	Impulse withstand voltage	2.5 kV (1.2/50 μ s)

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
eClass 9.0	27-37-16-01	eClass 9.1	27-37-16-01
eClass 10.0	27-37-16-01	UNSPSC	30-21-19-17

Approvals

Approvals



ROHS	Conform
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Downloads

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

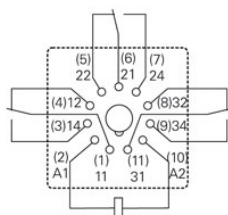
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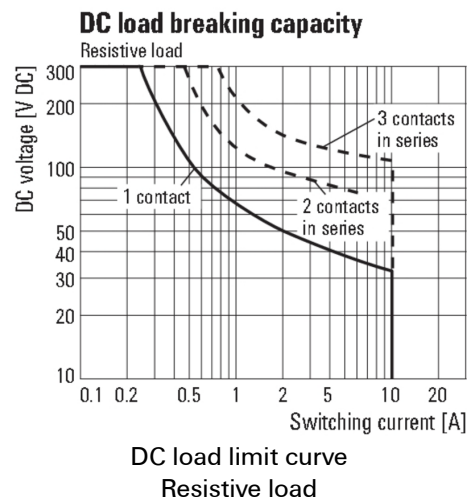
Drawings

Wiring diagram

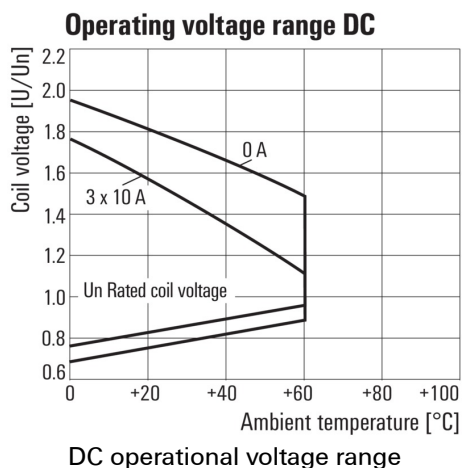
Circuit diagram
View of connections



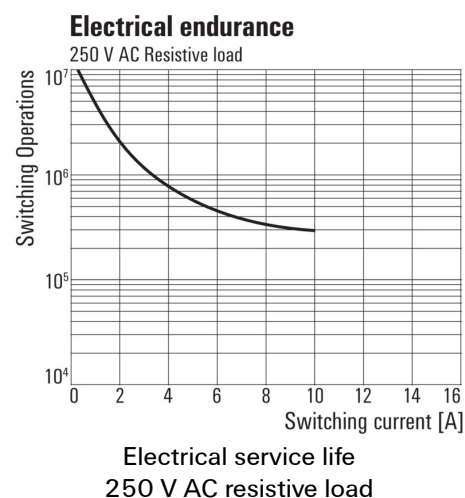
Graph



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