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**RIDERSERIES**  
**RRD321220**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com



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**

Order No.	<a href="#">7940007742</a>
Type	RRD321220
Version	RIDERSERIES, Relais, No. 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).

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**Technical data**
**Ratings**

Conductor connection system	Plug-in connection	Humidity	40 °C / 93 % rel. humidity, no condensation
Weight	80 g	UL 94 flammability rating	V-0

**Dimensions and weights**

Width	35.5 mm	Height	35.5 mm
Depth	57 mm	Weight	80 g
Net weight	85 g		

**Temperatures**

Operating temperature	-40 °C...+60 °C	Storage temperature	-40 °C...+60 °C
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**Input**

Rated control voltage	220 V DC	Rated current DC	5.5 mA
Coil resistance	40,000 Ω ±15%	Power rating	1.2 W
Pull-in (sparkover) / drop-out voltage DC coil	165 V / 22 V	Status indicator	Mechanical

**Output**

Rated switching voltage	240 V AC	Max. switching voltage, AC	400 V
Continuous current	10 A	making current	20 A / 20 ms
Max. switching power	2500 VA	Response time	15 ms / 10 ms
Min. switching power	100 mA / 5 V, 10 V / 10 mA, 24 V / 1 mA	Max. switching frequency at rated load	0.1 Hz

**Contact specifications**

No. of contacts	3	Contact design	CO contact with test button
Contact material	AgNi 90/10	Mechanical service life	20 x 10 <sup>6</sup> switching cycles

**Insulation coordination**

Rated voltage	250 V	Clearance and creepage distances for control side - load side	≤ 3 mm
Dielectric strength for control side - load side	2.5 KV <sub>eff</sub> / 1 min.	Protection degree	IP 20
Insulating material group	IIIa		

**Other technical data**

Version	with test button	Status indicator	Mechanical
Free-wheel diode	No		

**Further details of approvals / standards**

Standards	IEC 61810-1, UL508
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**Technical data****Classifications**

ETIM 2.0	EC001437	ETIM 3.0	EC001437
UNSPSC	30-21-19-17	eClass 4.1	39-12-15-35
eClass 5.1	27-37-16-01	eClass 6.0	27-37-16-01
eClass 7.0	27-37-16-01		

**Approvals**

Approvals

**Downloads**Declaration of Conformity [K295\\_12\\_10.pdf](#)

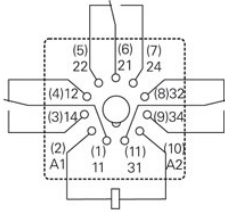
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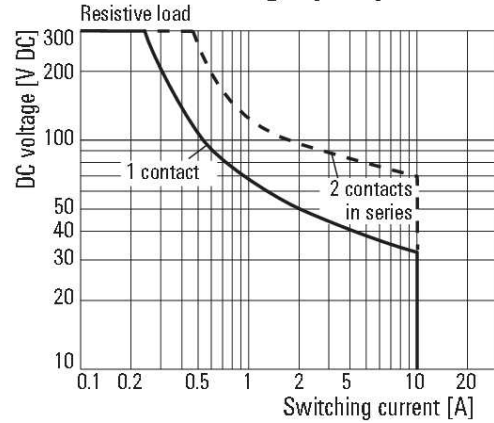
**Drawings**

**Pinning**

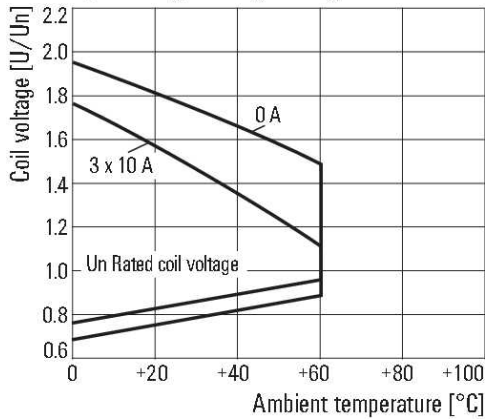
Circuit diagram  
View of connections



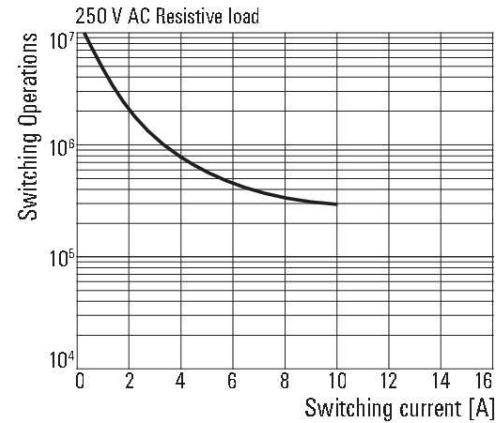
**DC load breaking capacity**



**Operating voltage range DC**



**Electrical endurance**



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**Drawings**

<b>Type code</b>	<b>RRD</b>						
<b>Type</b>	RIDER RounD						Free wheel diode
<b>Contacts</b>	2 2 change-over contacts, 8-pole 3 3 change-over contacts, 11-pole						
<b>Contact material</b>	2 AgNi 90/10						
<b>Type of construction</b>	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						
						<b>DC coil</b>	
						006 6 V DC	
						012 12 V DC	
						024 24 V DC	0C4
						048 48 V DC	0E8
						060 60 V DC	0G0
						110 110 V DC	1B0
						220 220 V DC	2C0
						<b>AC coil</b>	
						006 6 V AC	
						012 12 V AC	
						024 24 V AC	
						048 48 V AC	
						115 115 V AC	
						230 230 V AC	