

RRD321012**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: 3, 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.	8799030000
Type	RRD321012
GTIN (EAN)	4032248495467
Qty.	25 pc(s).
Delivery status	Discontinued
Available until	2022-03-10
Alternative product	2765060000

Creation date June 16, 2025 5:49:19 PM CEST

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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	82.4 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)	E522350
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Control side

Rated control voltage	12 V DC	Rated current DC	109.1 mA
Power rating	1.2 W	Coil resistance	110 Ω ± 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	≤ 15 ms	Switch-off delay	≤ 10 ms
Contact type	3 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	≤ 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 μs)	Protection degree	IP20

Further details of approvals / standards

Standards	IEC 61810-1, UL508	Certificate No. (CSA)	249409-2426937
Certificate No. (cURus)	E522350		

Connection data

Wire connection method	Plug-in connection
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Catalogue status 07.06.2025 / We reserve the right to make technical changes.

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Technical data

Classifications

ETIM 6.0	EC001437	ETIM 7.0	EC001437
ETIM 8.0	EC001437	ETIM 9.0	EC001437
ETIM 10.0	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
ECLASS 13.0	27-37-16-01	ECLASS 14.0	27-37-16-01
ECLASS 15.0	27-37-16-01		

Environmental Product Compliance

RoHS Compliance Status	Compliant
REACH SVHC	No SVHC above 0.1 wt%

Approvals

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319226/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/
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ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E522350

Downloads

Approval/Certificate/Document of Conformity	EU Konformitätserklärung / EU Declaration of Conformity
Catalogues	Catalogues in PDF-format

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Klingenbergstraße 26

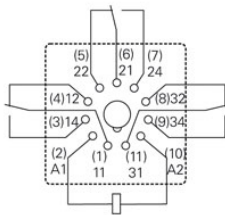
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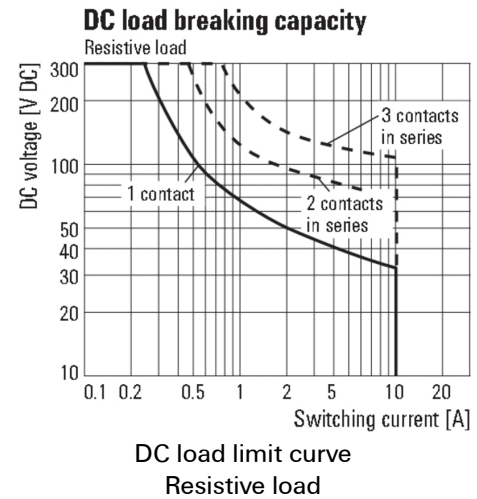
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Drawings

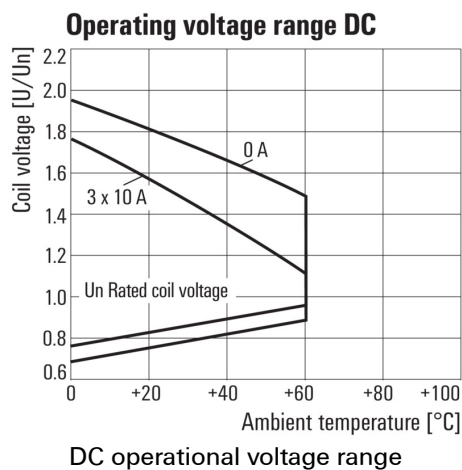
Wiring diagram

Circuit diagram
View of connections

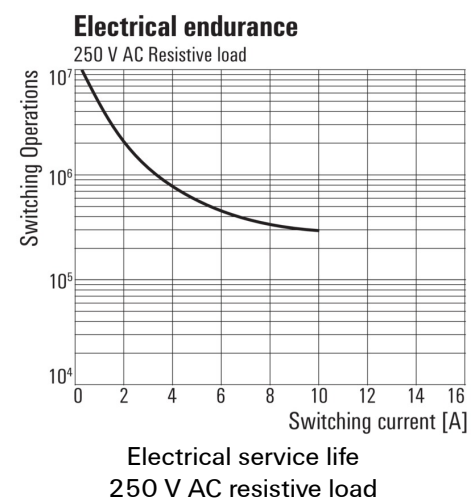
Graph



Graph



Graph



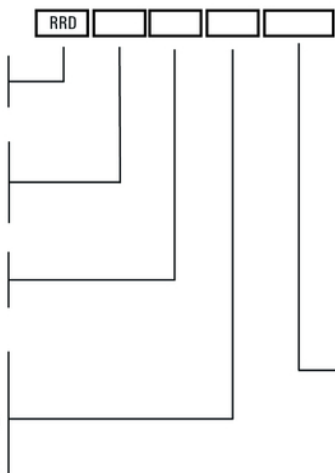
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Type RIDER Round		Coil voltage
Type of contact 2 2CO, 8-pole 3 3CO, 11-pole		006 6 V DC 012 12 V DC 024 24 V DC 048 48 V DC 060 60 V DC 110 110 V DC 220 220 V DC
Contact material 2 AgNi 90/10		0C4 24 V DC+ free wheel diode 0E8 48 V DC+ free wheel diode 0G0 60 V DC+ free wheel diode 1B0 110 V DC+ free wheel diode 2C0 220 V DC+ free wheel diode
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		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