

MRS 24VDC 1CO

Weidmüller Interfaces GmbH & Co. KG

Postfach 3030

32760 Detmold

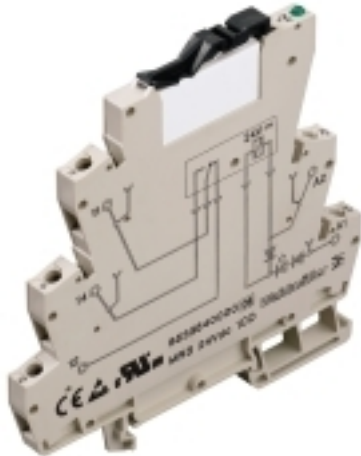
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Product image



General ordering data

Version	MICROSERIES, Relay module, Number of contacts: 1, CO contact AgNi, Rated control voltage: 24 V DC $\pm 20\%$, Continuous current: 6 A, Screw connection, Test button available: No
Order No.	8533640000
Type	MRS 24VDC 1CO
GTIN (EAN)	4032248169740
Qty.	10 pc(s).
Delivery status	Discontinued
Available until	2022-03-30
Alternative product	1122770000

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Technical data

Dimensions and weights

Depth	94 mm	Depth (inches)	3.701 inch
Height	93 mm	Height (inches)	3.661 inch
Width	6.1 mm	Width (inches)	0.24 inch
Net weight	16.3 g		

Temperatures

Storage temperature	-40 °C...60 °C	Operating temperature	-25 °C...55 °C
Operating temperature, min.	-25 °C	Operating temperature, max.	55 °C
Humidity	40 °C / 93 % rel. humidity, no condensation		

Rated data UL

Certificate No. (cURus)	E141197
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Control side

Rated control voltage	24 V DC \pm 20 %	Rated current DC	6.6 mA
Power rating	160 mW	Pull-in/drop-out voltage, typ.	16.9 V / 6.5 V DC
Pull-in/drop-out current, typ.	4 mA / 1.2 mA DC	Status indicator	Green LED
Protective circuit	Free-wheeling diode, Reverse polarity protection		

Load side

Rated switching voltage	250 V AC	Continuous current	6 A
Max. switching frequency at rated load	0.1 Hz	Max. switching voltage, AC	250 V
Max. switching voltage, DC	250 V	Inrush current	6 A
AC switching capacity (resistive), max.	1500 VA	DC switching capacity (resistive), max.	144 W @ 24 V
Switch-on delay	6.6 ms	Switch-off delay	5.8 ms
Contact type	1 CO contact (AgNi)	Mechanical service life	5 x 10 ⁶ switching cycles
Min. switching power	1 mA @ 24 V, 10 mA @ 10 V, 100 mA @ 5 V		

General data

Rail	TS 35	Test button available	No
Mechanical switch position indicator	No	Colour	beige

Insulation coordination

Rated voltage	300 V	Pollution severity	2
Surge voltage category	III	Creepage and clearance distance input - output	\geq 5.5 mm
Dielectric strength to mounting rail	4 kV _{eff} / 1 Min.	Impulse withstand voltage	4 kV (1.2/50 μ s)
Protection degree	IP20		

Further details of approvals / standards

Standards	UL508	Certificate No. (CSA)	LR82859
Certificate no. (cULus)	E141197	Certificate No. (cURus)	E141197

Creation date May 8, 2023 1:29:33 PM CEST

Catalogue status 28.04.2023 / We reserve the right to make technical changes.

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Connection data

Wire connection method	Screw connection	Clamping range, rated connection	2.5 mm ²
Clamping range, min.	0.5 mm ²	Clamping range, max.	4 mm ²
Blade size	0.6 x 3.5 mm		

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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	Of455e0d-3c4b-49b7-ae9b-28f18844bd32

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E141197
Certificate no. (cULus)	E141197

Downloads

Engineering Data	WSCAD
Catalogues	Catalogues in PDF-format

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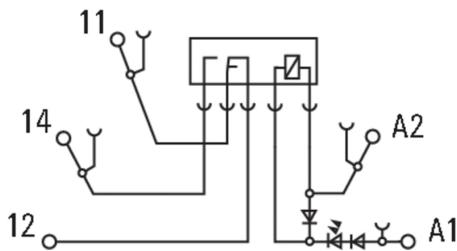
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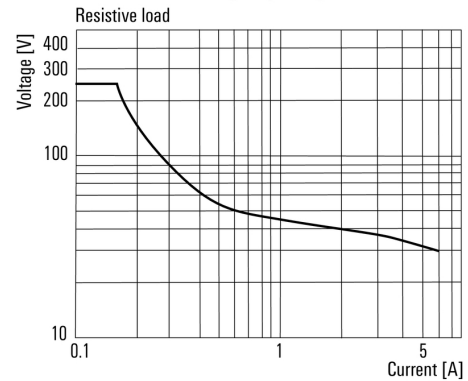
Drawings

Wiring diagram



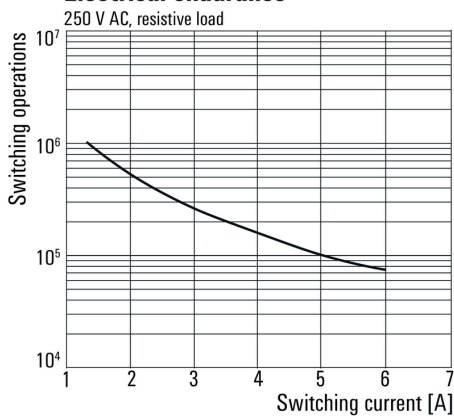
Graph

DC load breaking capacity



DC load limit curve

Electrical endurance



Derating curve

