Data sheet

DRM570024LT AU

Weidmüller Interfaces GmbH & Co. KG

Postfach 3030

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Product image



Similar to illustration

Individual relays within the D-SERIES DRM
- 4 CO contacts
- AC coils
- With integrated status LED and test button

General ordering data

Version	D-SERIES DRM, Relay, Number of contacts: 4, CO contact, AgNi gold-plated, Rated control voltage: 24 V DC, Continuous current: 5 A, Plug-in connection
Order No.	7760056189
Type	DRM570024LT AU
GTIN (EAN)	4032248922284
Qty.	20 pc(s).

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Technical data

Dimensions and weights

Depth	35.7 mm	Depth (inches)	1.406 inch
Height	27.4 mm	Height (inches)	1.079 inch
Width	21 mm	Width (inches)	0.827 inch
Net weight	35 g		

Temperatures

Storage temperature	-40 °C...70 °C	Operating temperature	-40 °C...55 °C
Humidity	35...85 % rel. humidity, no condensation		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1

Control side

Rated control voltage	24 V DC	Rated current DC	37.8 mA
Power rating	0.9 W	Pull-in/drop-out voltage, typ.	18 V / 2.4 V DC
Coil resistance	630 Ω ± 10 %	Coil tolerance	10 %
Status indicator	Green LED		

Load side

Rated switching voltage	250 V AC	Continuous current	5 A
Max. switching frequency at rated load	0.1 Hz	Inrush current	10 A / 50 ms
AC switching capacity (resistive), max.	1250 VA	DC switching capacity (resistive), max.	120 W @ 24 V
Switch-on delay	< 20 ms	Switch-off delay	< 20 ms
Contact type	4 CO contact (AgNi gold-plated)	Mechanical service life	20 x 10^6 switching cycles
Min. switching power	1 mA @ 1 V		

General data

Test button available	Yes	
Version of test button	Lockable test button, Momentary test button	
Mechanical switch position indicator	Yes	
Colour	Transparent	
UL94 flammability rating component	Component	Relay cover
	UL94 flammability rating	V-2
	Component	Relay baseplate
	UL94 flammability rating	V-0
	Component	Relay status indicator
	UL94 flammability rating	HB
	Component	Relay test button
	UL94 flammability rating	HB

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Technical data

Insulation coordination

Rated voltage	250 V	Pollution severity	2
Surge voltage category	III	Clearance and creepage distances for control side - load side	≥ 5.5 mm
Dielectric strength for control side - load side	1.8 kV_{eff} / 1 min.	Dielectric strength of neighbouring contacts	1 kV_{eff} / 1 min
Dielectric strength of open contact	1 kV_{eff} / 1 min	Impulse withstand voltage	6 kV (1.2/50 µs)
Protection degree	IP20		

Further details of approvals / standards

Standards	IEC 61810-1, EN 60664-1:2007, EN 61000-6-2:2005, EN 61000-6-4:2007 + A1:2011

Connection data

Wire connection method	Plug-in connection

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

Approvals

Approvals	
ROHS	Conform

Downloads

Approval/Certificate/Document of Conformity	EU Konformitätserklärung / EU Declaration of Conformity
Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD
Catalogues	Catalogues in PDF-format

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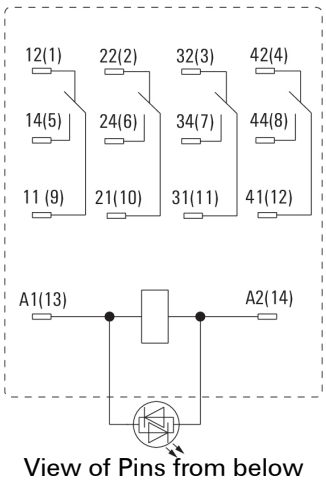
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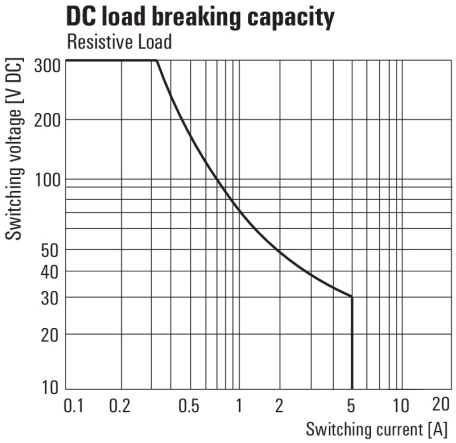
Drawings

Wiring diagram



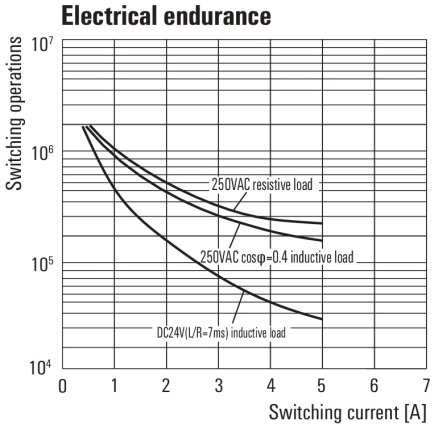
View of Pins from below

Graph



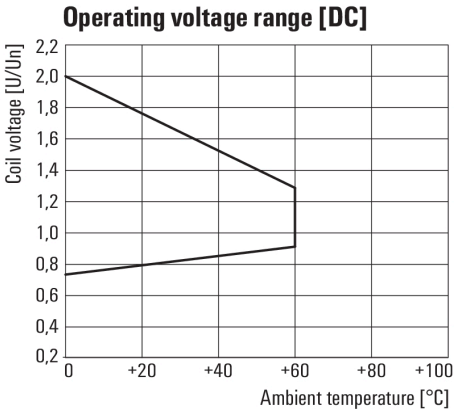
DC load limit curve
Resistive load

Graph



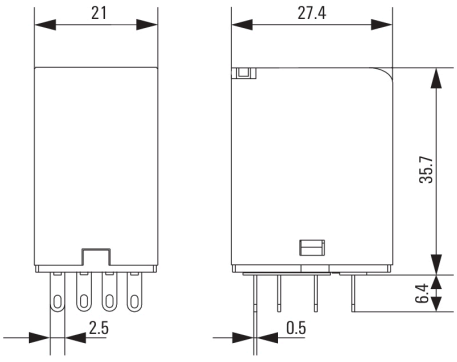
Electrical service life

Graph



DC operational voltage range

Dimensional drawing

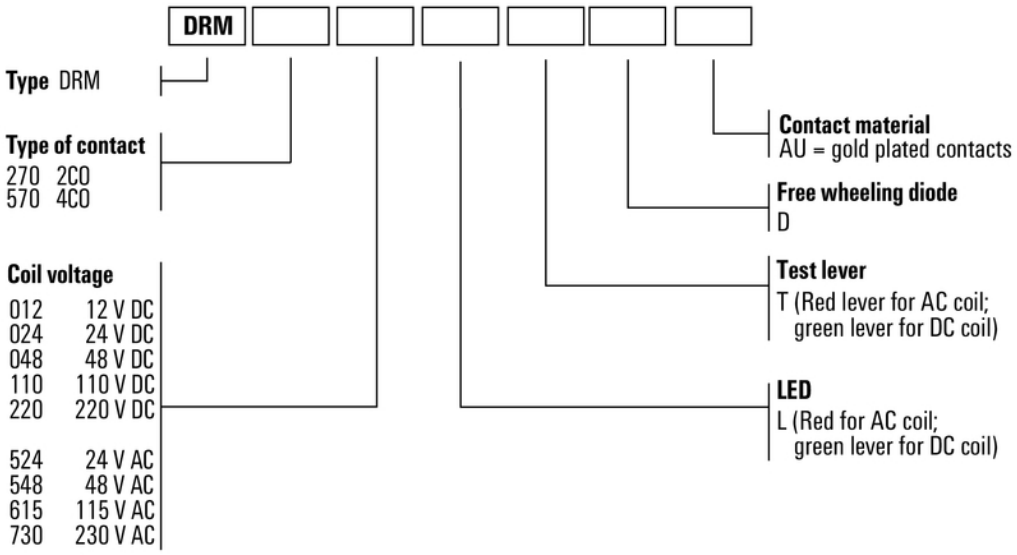


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Drawings

Miscellaneous



Type codes