

DRM270548**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

Similar to illustration

Individual relays within the D-SERIES DRM

- 2 CO contacts
- Optional AC or DC coils

General ordering data

Version	D-SERIES DRM, Relay, Number of contacts: 2, CO contact, AgNi flash gold-plated, Rated control voltage: 48 V AC, Continuous current: 10 A, Plug-in connection
Order No.	7760056056
Type	DRM270548
GTIN (EAN)	4032248855995
Qty.	20 pc(s).

Creation date October 30, 2021 5:49:16 AM CEST

Catalogue status 22.10.2021 / We reserve the right to make technical changes.

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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	34.6 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
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Rated data UL

Certificate No. (cURus)	E312083
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Control side

Rated control voltage	48 V AC	Rated current AC	33.3 mA (50 Hz), 27.8 mA (60 Hz)
Power rating	1.0...1.2VA (60HZ)	Pull-in/drop-out voltage, typ.	38.4 V / 14.4 V AC
Coil resistance	600 $\Omega \pm 10\%$		

Load side

Rated switching voltage	250 V AC	Continuous current	10 A
Max. switching frequency at rated load	0.1 Hz	Min. switching power	10 mA @ 12 V, 100 mA @ 5 V
Inrush current	20 A / 50 ms	AC switching capacity (resistive), max.	2500 VA
DC switching capacity (resistive), max.	240 W @ 24 V	Switch-on delay	≤ 20 ms
Switch-off delay	≤ 20 ms	Contact type	2 CO contact (AgNi flash gold-plated)
Mechanical service life	20 x 10 ⁶ switching cycles		

General data

Test button available	No	
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

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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, UL 508	Certificate No. (cURus)	E312083
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Connection data

Wire connection method	Plug-in connection
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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		

Approvals

Approvals



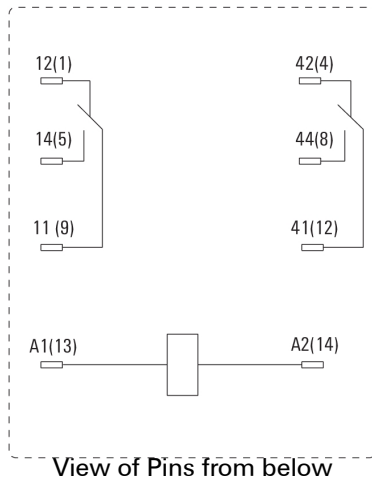
ROHS	Conform
UL File Number Search	E312083

Downloads

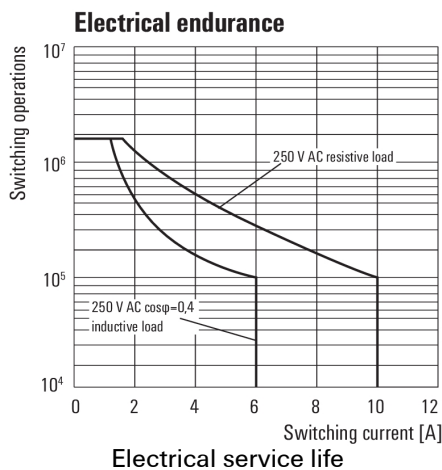
Approval/Certificate/Document of Conformity	EU Konformitätserklärung / EU Declaration of Conformity
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD
Catalogues	Catalogues in PDF-format
Brochures	

Drawings

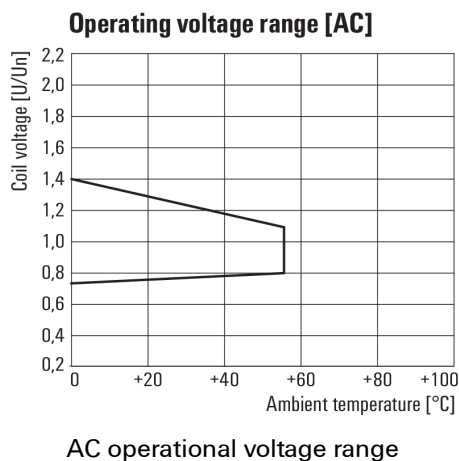
Wiring diagram



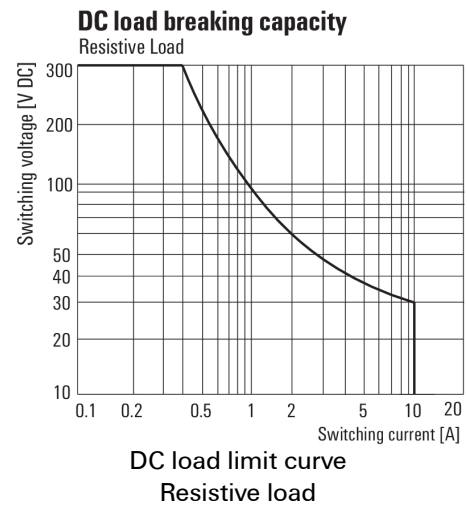
Graph



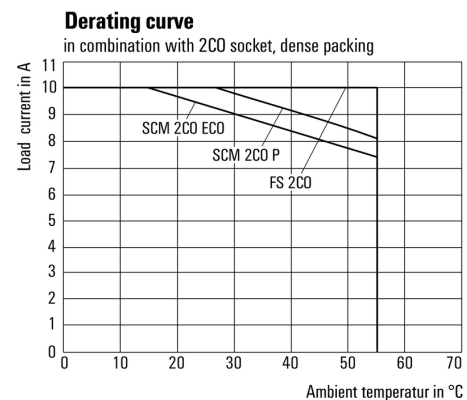
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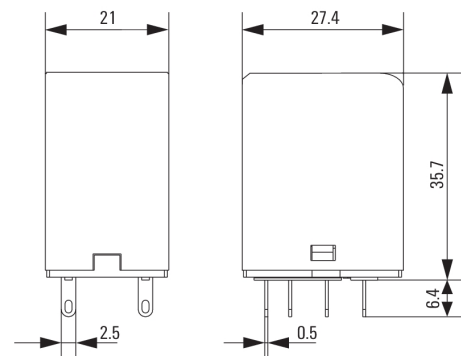
Graph



Graph



Derating curve Relay in combination with base Dimensional drawing

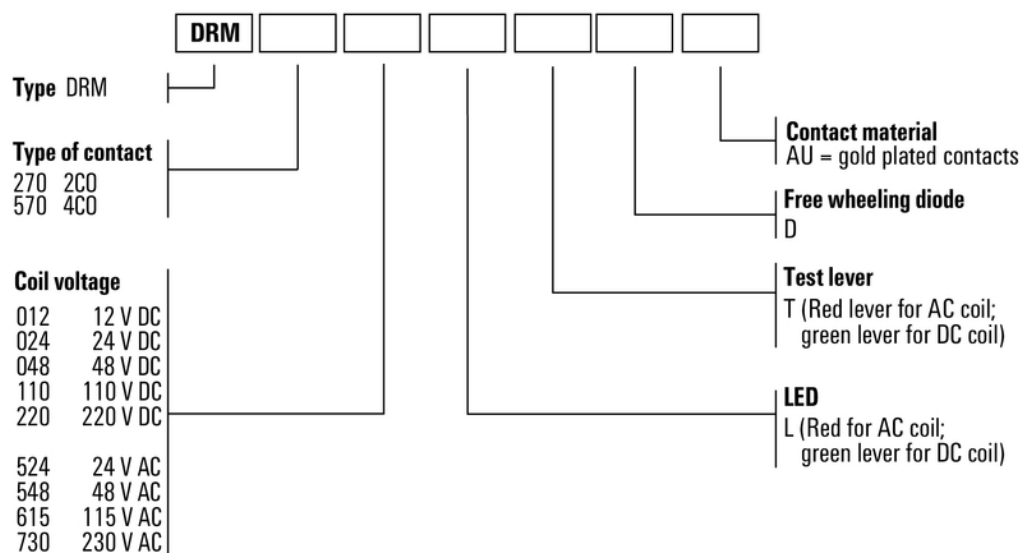


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Type codes