

D-SERIES DRM DRM570110LT

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

Product image



Similar to illustration

Relay from the D-SERIES DRM.

- 2 or 4 CO contacts
- Compact design
- Wide range of coil voltages
- Optional test button (AC red, DC blue)
- Optional with integrated status display (AC red, DC green)
and/or free-wheel diode

General ordering data

Type	DRM570110LT
Order No.	7760056099
Version	D-SERIES DRM, Relay, No. of contacts: 4, CO contact with test button, AgNi 0,15 µm Au, Rated control voltage: 110 V DC, Continuous current: 5 A, Plug-in connection
GTIN (EAN)	4032248855650
Qty.	20 pc(s).

D-SERIES DRM
DRM570110LT

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

Technical data
Dimensions and weights

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

Temperatures

Humidity	35...85 % rel. humidity, no condensation	Operating temperature, max.	60 °C
Operating temperature, min.	-40 °C	Storage temperature, max.	70 °C
Storage temperature, min.	-40 °C	Operating temperature	-40 °C...60 °C
Storage temperature	-40 °C...70 °C		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
------------	----------------

Rated data UL

Certificate No. (cURus)	E312083
-------------------------	---------

Input

Rated control voltage	110 V DC	Rated current DC	10 mA
Power rating	1.2 W	Pull-in/drop-out voltage, typ.	82.5 V / 11 V DC
Coil resistance	11000 Ω ± 10 %	Status indicator	Green LED

Output

Rated switching voltage	250 V AC	Max. switching voltage, AC	250 V
Continuous current	5 A	Inrush current	10 A / 50 ms
Switch-on delay	< 20 ms	Switch-off delay	< 20 ms
Min. switching power	10 mA @ 12 V, 100 mA @ 5 V	Max. switching frequency at rated load	0.1 Hz

Contact data

Contact type	4 CO contact with test button (AgNi 0,15 µm Au)	Contact resistance	≤ 50 mΩ
Mechanical service life	20 x 10 ⁶ switching cycles		

General data

Test button	yes (lockable)	Mechanical switch position indicator	Yes
Colour	Transparent	UL 94 flammability rating	V-0

Insulation coordination

Rated voltage	250 V	Surge voltage category	III
Pollution severity	2	Protection degree	IP20
Dielectric strength, Input/Output	1.8 kV _{eff} / 1 min.	Creepage and clearance distance input – output	≥ 5.5 mm
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)		

Creation date May 28, 2019 2:29:52 PM CEST

Data sheet

**D-SERIES DRM
DRM570110LT**

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

Technical data

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
-----------	--	-------------------------	---------

Connection data

Wire connection method	Plug-in connection
------------------------	--------------------

Classifications

ETIM 3.0	EC001437	ETIM 5.0	EC001437
ETIM 6.0	EC001437	eClass 6.2	27-37-16-01
eClass 7.1	27-37-16-01	eClass 8.1	27-37-16-01
eClass 9.0	27-37-16-01	eClass 9.1	27-37-16-01

Approvals

Approvals



ROHS	Conform
------	---------

Downloads

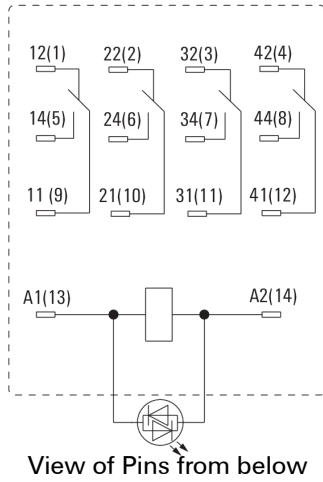
Approval/Certificate/Document of Conformity	DE_PA_5600_160310_001.pdf
Brochure/Catalogue	CAT 4.2 ELECTR 18/19 EN
Engineering Data	EPLAN, WSCAD
Engineering Data	STEP

**D-SERIES DRM
DRM570110LT**

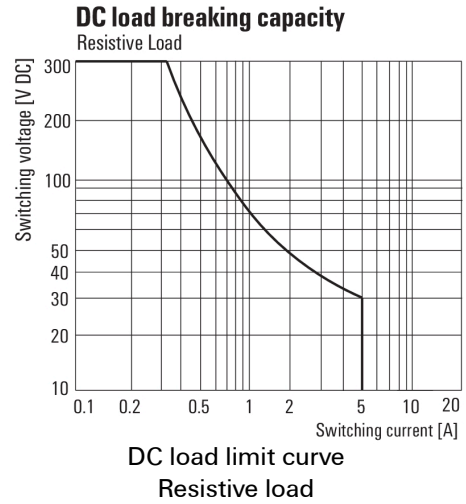
Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Drawings

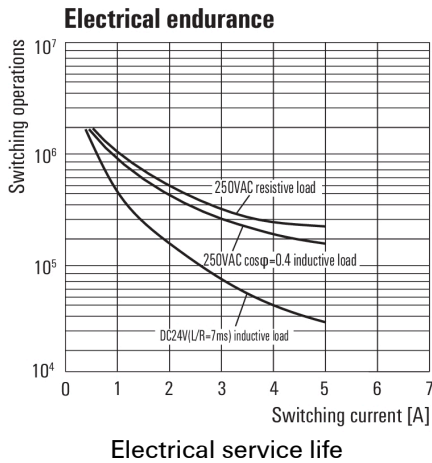
Wiring diagram



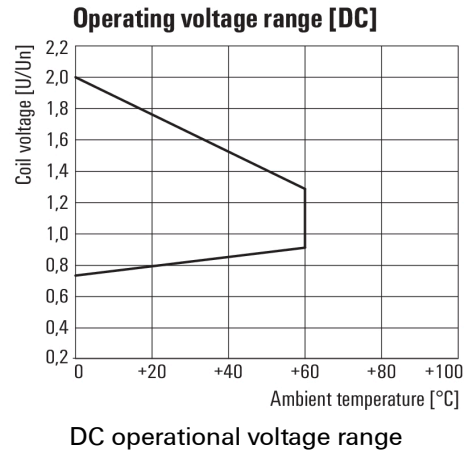
Graph



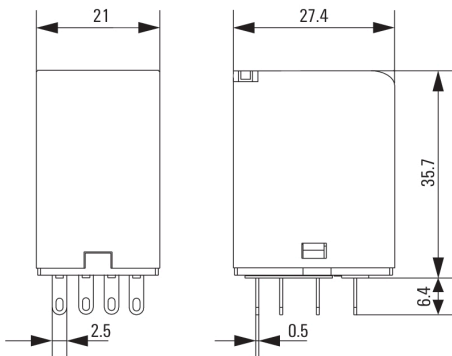
Graph



Graph



Dimensional drawing



Data sheet

**D-SERIES DRM
DRM570110LT**

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

Drawings

Miscellaneous



Type codes