

D-SERIES
DRM570024

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



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	DRM570024
Order No.	7760056079
Version	D-SERIES, Relais, No. of contacts: 4, CO contact, AgNi 90/10, Rated control voltage: 24 V DC, Continuous current: 5 A, Plug-in connection
GTIN (EAN)	4032248855124
Qty.	20 pc(s).

D-SERIES
DRM570024

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	21.5 mm	Height	28 mm
Depth	36 mm	Net weight	35.65 g

Temperatures

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

Input

Coil resistance	630 $\Omega \pm 10 \%$	Rated control voltage	24 V DC
Rated current DC	36.9 mA	Power rating	0.9 W
Pull-in/hold-out voltage, typ.	18 V / 2.4 V DC		

Output

Rated switching voltage	250 V AC	Max. switching voltage, AC	250 V
Continuous current	5 A	AC switching capacity (resistive), max.	1250 VA @ 250 V
DC switching capacity (resistive), max.	120 W @ 24 V	Switch-on delay	< 20 ms
Switch-off delay	< 20 ms	Min. switching power	12 V / 10 mA
Max. switching frequency at rated load	0.1 Hz		

Contact data

No. of contacts	4	Contact design	CO contact
Contact material	AgNi 90/10	Mechanical service life	AC coil 10×10^6 Switching cycles, DC coil 30×10^6 Switching cycles
Contact resistance	$\leq 50 \text{ m}\Omega$		

General data

Wire connection method	Plug-in connection	Humidity	35...85 % rel. humidity, no condensation
UL 94 flammability rating	V-0		

Insulation coordination

Rated voltage	250 V	Protection degree	IP 20
Pollution severity	3	Surge voltage category	III

Further details of approvals / standards

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

Connection data

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

Classifications

eClass 6.2	27-37-16-01
------------	-------------

D-SERIES DRM570024

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

Approvals

Approvals



Downloads

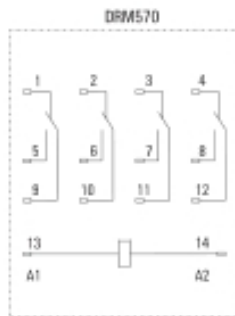
Declaration of Conformity [K550_10_13.pdf](#)

D-SERIES DRM570024

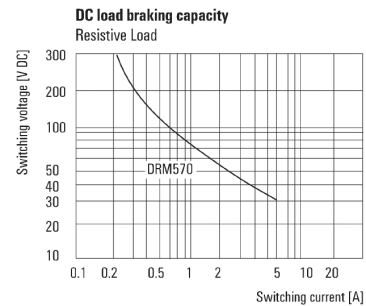
Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Drawings

Wiring diagram

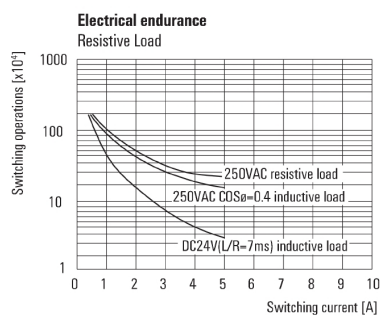


DC load limit curve

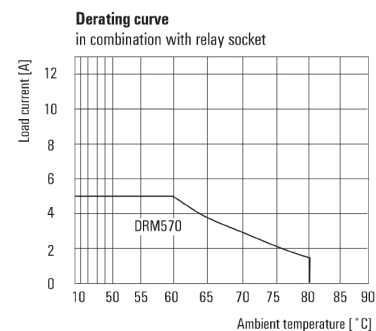


Resistive load

Electrical service life

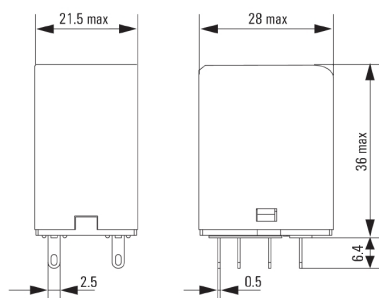


Derating curve



Relay in combination with base

Dimensioned drawing



D-SERIES
DRM570024**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com

Mating connector (fully pluggable)**Base**

Accessories for D-SERIES relays include:

- Relay bases
- LED / Protective modules
- Metal retaining clips

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
SCM 4CO ECO	7760056264	D-SERIES, Relay base, Continuous current: 4 x 6 A, Screw connection	6944169662973	10 pc(s).
FS 4CO	7760056107	D-SERIES, Relay base, Continuous current: 10 A, Screw connection	4032248855575	10 pc(s).

D-SERIES
DRM570024

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
Type codes

Type code		DRM					
Type	DRM						
Type of construction	570	4 change over contact					
Coil voltage	012	12 V DC	524	24 V AC			
	024	24 V DC	548	48 V AC			
	048	48 V DC	615	115 V AC			
	110	110 V DC	730	230 V AC			
	220	220 V DC					
LED	L (Red for AC coil; green for DC coil)						
Test lever	T (Red for AC coil; green for DC coil)						
Suppressor diode	D						