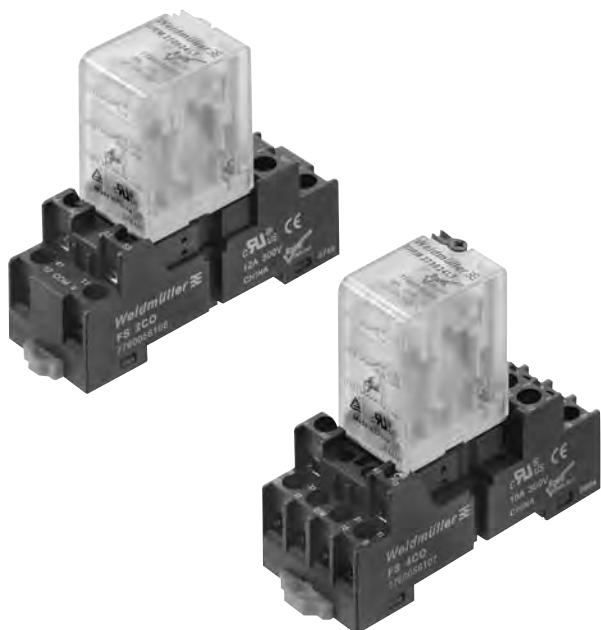


## DRM Relay Series 2 Changeover contacts 4 Changeover contacts



The new DRM miniature relays complement Weidmüller's wide range of proven electromechanical and solid-state devices.

DRM relays offer functionality to meet industrial standards, at an economical price point.

The DRM is available in 2 and 4 changeover contact versions for AC and DC voltages to suit most industrial and commercial applications.

DRM relays are available with LED status indication, as well as a test lever for quick and easy commissioning and troubleshooting. The relay bases are DIN-rail mountable and feature high quality screw terminals.

#### Features and Benefits:

- 2CO and 4CO versions for greater flexibility
- Wide coil input voltage range
- Sturdy plug-in connection
- High quality contacts for reliability and longevity
- Full load switching capability over  $-40^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$
- Extended de-rated operation up to  $+80^{\circ}\text{C}$
- Optional integrated LED status indication
- Optional test lever with lock function and window
- Accepts stripped wire, ferruled wire and fork lug connections
- CE and cURus approvals for use in applications worldwide
- ROHS compliant

#### Weidmüller, Canada

10 Spy Court  
Markham, Ontario L3R 5H6  
Telephone: (800) 268-4080  
Facsimile: (877) 300-5635  
Email: [info1@weidmuller.ca](mailto:info1@weidmuller.ca)  
Website: [www.weidmuller.ca](http://www.weidmuller.ca)

#### Weidmüller, Mexico

Bldv. Hermanos Serdán 698  
Col. San Rafael Oriente  
Puebla, Puebla, Mexico  
C.P. 72029  
Telephone: 01 222 2686267  
Facsimile: 01 222 2686219  
Email: [clientes@weidmuller.com.mx](mailto:clientes@weidmuller.com.mx)  
Website: [www.weidmuller.com.mx](http://www.weidmuller.com.mx)

#### Weidmüller, United States

821 Southlake Blvd.  
Richmond, Virginia 23236  
Telephone: (800) 849-9343  
Facsimile: (804) 379-2593  
Email: [info@weidmuller.com](mailto:info@weidmuller.com)  
Website: [www.weidmuller.com](http://www.weidmuller.com)

**DRM Relay**  
**4CO changeover contact AC/DC coil**

Type code	RCL				
Type	DRM				
Type of construction	2 = 2 changeover contact 4 = 4 changeover contact				
Coil voltage	006 = 6 V DC / 012 = 12 V DC 024 = 24 V DC 110 = 110 V DC / 220 = 220 V DC 524 = 24 V AC / 548 = 48 V AC 615 = 115 V AC / 730 = 230 V AC				
LED	L (Red for AC coil; Green for DC coil)				
Test lever	T (Red for AC coil; Blue for DC coil)				

**Ordering data**

Input	12 V DC 4CO	24 V DC 4CO	110 V DC 4CO	220 V DC 4CO
Rated voltage	12 V DC	24 V DC	110 V DC	220 V DC
Rated current	75 mA	36.9 mA	10 mA	5.2 mA
DC Response / dropout Volt	9 V / 1.2 V	18 V / 2.4 V	82.5 V / 11 V	165 V / 22 V
Max. Voltage	13.2 V	26.4 V	121 V	242 V
Coil resistance	160 Ω	650 Ω	11 KΩ	44 KΩ

**Ordering data relay**

DC coil 4CO					
Standard	Type	DRM570012	DRM570024	DRM570110	DRM570220
	Order No.	<b>7760056078</b>	<b>7760056079</b>	<b>7760056081</b>	<b>7760056082</b>
With LED + test lever	Type	DRM570012LT	DRM570024LT	DRM570110LT	DRM570220LT
	Order No.	<b>7760056096</b>	<b>7760056097</b>	<b>7760056099</b>	<b>7760056100</b>
<b>Note</b>					

**Ordering data**

Input	24 V AC 4CO	48 V AC 4CO	115 V AC 4CO	230 V AC 4CO
Rated Voltage	24 V AC	48 V AC	115 V AC	230 V AC
Rated current (50 Hz / 60 Hz)	62.4 / 52.2 mA	33.3 / 27.8 mA	12.6 / 10.8 mA	6.1 / 5.2 mA
AC Response / dropout Volt	19.2 V / 7.2 V	38.4 V / 14.4 V	92 V / 34.5 V	184 V / 69 V
Max. Voltage	26.4 V	52.8 V	126.5 V	253 V
Coil resistance	160 Ω	600 Ω	3.75 KΩ	16 KΩ

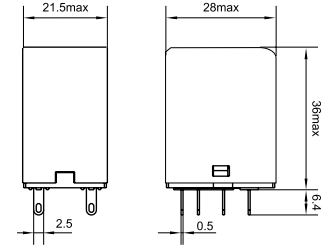
**Ordering data relay**

AC coil 4CO					
Standard	Type	DRM570524	DRM570548	DRM570615	DRM570730
	Order No.	<b>7760056083</b>	<b>7760056084</b>	<b>7760056085</b>	<b>7760056086</b>
With LED + test lever	Type	DRM570524LT	DRM570548LT	DRM570615LT	DRM570730LT
	Order No.	<b>7760056101</b>	<b>7760056102</b>	<b>7760056103</b>	<b>7760056104</b>
<b>Note</b>					

TRIM

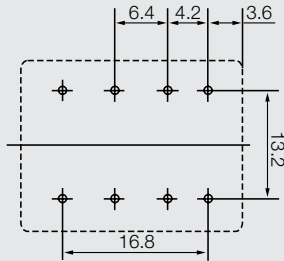
## DRM Relay 2CO changeover contact AC/DC coil

- Small size with high switching power
- Wide coil input voltage range
- Optional test lever (AC red, DC blue)
- Optional status indicator (AC red, DC green)

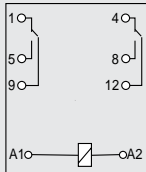


### Circuit diagram

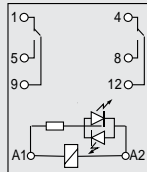
All dimensions are in mm



DRM270

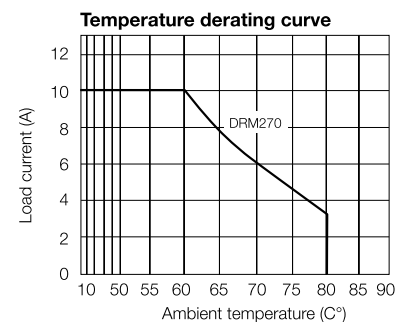
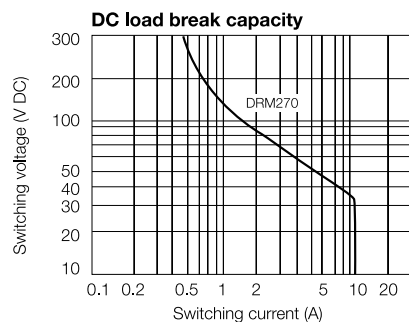
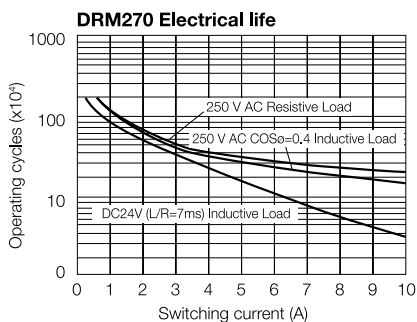


DRM270LT



### Technical data

Output		
Rated voltage	250 V AC	
Rated current	10 A	
Rated load (resistive)	AC: 2500 VA / DC: 300 W	
DC breaking capacity (resistive)	10 A @ 30 V / 1.2 A @ 110 V / 0.5 A @ 220 V	
Contact resistance	≤ 50 mΩ	
Contact base material	Silver Alloy	
Electrical endurance	> 25x10 <sup>4</sup> cycles (18000 Ops/h)	
Mechanical endurance	> 20x10 <sup>6</sup> cycles (18000 Ops/h)	
Input		
Rated voltage DC	DC: 12 V / 24 V / 110 V / 220 V	
Rated voltage AC	AC: 24 V / 48 V / 115 V / 230 V	
Response voltage @ 25	DC: ≥ 75 % of rated voltage AC: ≥ 80 % of rated voltage	
Dropout voltage @ 25	DC: ≤ 10 % of rated voltage AC: ≤ 30 % of rated voltage	
Max. Voltage	110 % of rated voltage	
Insulation resistance	1000 MΩ	
Coil power consumption	AC 1.2 VA / DC 0.9 W	
Response time / drop-out time	≤ 20 ms / ≤ 20 ms	
General		
Dielectric strength	Between contacts	1000 V AC / 1 min (Leakage current 1 mA)
	Between contacts and coil	1800 V AC / 1 min (Leakage current 1 mA)
Ambient temperature (operational)	DC: -40 °C...+60 °C AC: -40 °C...+55 °C	
Storage temperature	-40 °C...+70 °C	
Humidity	35 %...85 % RH, no condensation	
Atmospheric pressure	86...106 KPa	
Shock resistance	10 G (Half wave of sine pulse: 11 ms)	
Vibration resistance	10...55 Hz Dual amplitude 1.0 mm	
Weight	35 g	
Approvals		
	CE; cURus; TÜV	



**DRM Relay**  
2CO changeover contact AC/DC coil

Type code	RCL				
Type	DRM				
Type of construction	2 = 2 changeover contact 4 = 4 changeover contact				
Coil voltage	006 = 6 V DC / 012 = 12 V DC 024 = 24 V DC 110 = 110 V DC / 220 = 220 V DC 524 = 24 V AC / 548 = 48 V AC 615 = 115 V AC / 730 = 230 V AC				
LED	L (Red for AC coil; Green for DC coil)				
Test lever	T (Red for AC coil; Blue for DC coil)				

**Ordering data**

Input	12 V DC 2CO	24 V DC 2CO	110 V DC 2CO	220 V DC 2CO
Rated voltage	12 V DC	24 V DC	110 V DC	220 V DC
Rated current	75 mA	36.9 mA	10 mA	5.2 mA
DC Response / dropout Volt	9 V / 1.2 V	18 V / 2.4 V	82.5 V / 11 V	165 V / 22 V
Max. Voltage	13.2 V	26.4 V	121 V	242 V
Coil resistance	160 Ω	650 Ω	11 KΩ	44 KΩ

**Ordering data relay**

DC coil 2CO				
Standard	Type	DRM270012	DRM270024	DRM270110
	Order No.	<b>7760056050</b>	<b>7760056051</b>	<b>7760056053</b>
With LED + test lever	Type	DRM270012LT	DRM270024LT	DRM270110LT
	Order No.	<b>7760056068</b>	<b>7760056069</b>	<b>7760056071</b>
<b>Note</b>				

**Ordering data**

Input	24 V AC 2CO	48 V AC 2CO	115 V AC 2CO	230 V AC 2CO
Rated Voltage	24 V AC	48 V AC	115 V AC	230 V AC
Rated current (50 Hz / 60 Hz)	62.4 / 52.2 mA	33.3 / 27.8 mA	12.6 / 10.8 mA	6.1 / 5.2 mA
AC Response / dropout Volt	19.2 V / 7.2 V	38.4 V / 14.4 V	92 V / 34.5 V	184 V / 69 V
Max. Voltage	26.4 V	52.8 V	126.5 V	253 V
Coil resistance	160 Ω	600 Ω	3.75 KΩ	16 KΩ

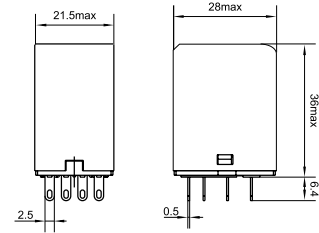
**Ordering data relay**

AC coil 2CO				
Standard	Type	DRM270524	DRM270548	DRM270615
	Order No.	<b>7760056055</b>	<b>7760056056</b>	<b>7760056057</b>
With LED + test lever	Type	DRM270524LT	DRM270548LT	DRM270615LT
	Order No.	<b>7760056073</b>	<b>7760056074</b>	<b>7760056075</b>
<b>Note</b>				

## DRM Relay

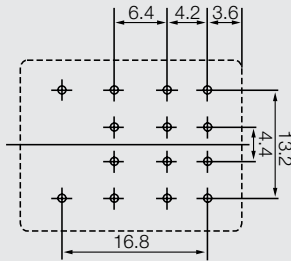
### 4CO changeover contact AC/DC coil

- Small size with high switching power
- Wide coil input voltage range
- Optional test lever (AC red, DC blue)
- Optional status indicator (AC red, DC green)

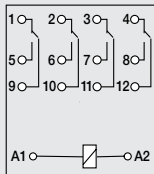


### Circuit diagram

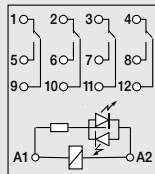
All dimensions are in mm



DRM570



DRM570LT

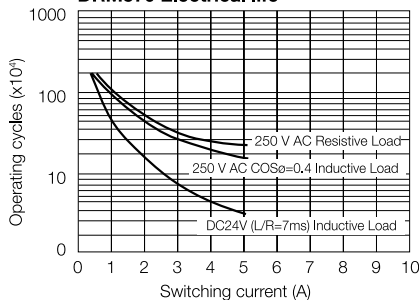


### Technical data

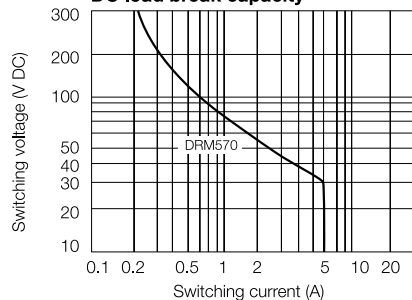
Output		
Rated voltage	250 V AC	
Rated current	5 A	
Rated load (resistive)	AC: 1250 VA / DC: 150 W	
DC breaking capacity (resistive)	5 A @ 30 V / 0.6 A @ 110 V / 0.25 A @ 220 V	
Contact resistance	≤ 50 m	
Contact base material	Silver Alloy	
Electrical endurance	> 25x10 <sup>4</sup> cycles (18000 Ops/h)	
Mechanical endurance	> 20x10 <sup>6</sup> cycles (18000 Ops/h)	
Input		
Rated voltage DC	DC: 12 V / 24 V / 110 V / 220 V	
Rated voltage AC	AC: 24 V / 48 V / 115 V / 230 V	
Response voltage @ 25	DC: ≥ 75 % of rated voltage AC: ≥ 80 % of rated voltage	
Dropout voltage @ 25	DC: ≤ 10 % of rated voltage AC: ≤ 30 % of rated voltage	
Max. Voltage	110 % of rated voltage	
Insulation resistance	1000 M	
Coil power consumption	AC 1.2 VA / DC 0.9 W	
Response time / drop-out time	≤ 20 ms / ≤ 20 ms	
General		
Dielectric strength	Between contacts	1000 V AC / 1 min (Leakage current 1 mA)
	Between contacts and coil	1800 V AC / 1 min (Leakage current 1 mA)
Ambient temperature (operational)	-40 °C...+55 °C	
Storage temperature	-40 °C...+70 °C	
Humidity	35 %...85 % RH	
Atmospheric pressure	86...106 kPa	
Shock resistance	10 G (Half wave of sine pulse: 11 ms)	
Vibration resistance	10...55 Hz Dual amplitude 1.0 mm	
Weight	35 g	
Approvals		CE; cURus; TÜV

TRIM

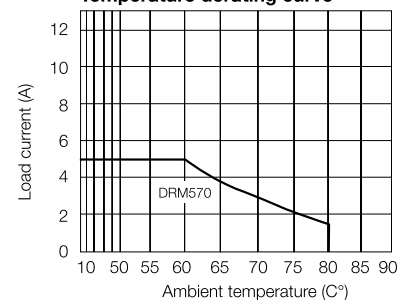
DRM570 Electrical life



DC load break capacity



Temperature derating curve



**DRM Relay**  
Relay socket for 2CO and 4CO relay

**Ordering data**

**Description**  
Relay socket plug in module with screw terminal  
Recommended for C-crimp, ferrule lug and bare wire connection

Type	Qty.	Order No.
FS 2CO	20	7760056106



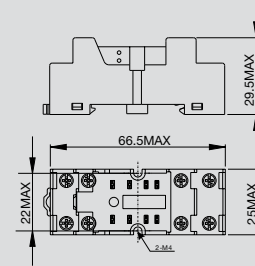
**Technical data**

**Type**  
Rated voltage  
Rated voltage  
Insulation between coil - contact  
Insulation between contact - contact  
Ambient temperature (operational)  
Pollution severity  
Surge category  
Terminal torque  
Connection cross-section  
Ingress protection class  
Weight

**FS 2CO**  
300 V  
12 A  
2500 V  
2500 V  
-40 °C...+85 °C  
2  
III  
0.8 Nm  
0.5...2.5 mm<sup>2</sup> / 20-14 AWG  
IP20  
35 g

**Approvals**

CE; cURus



**Ordering data**

**Description**  
Relay socket plug in module with screw terminal  
Recommended for C-crimp, ferrule lug and bare wire connection

Type	Qty.	Order No.
FS 4CO	20	7760056107



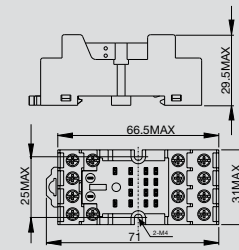
**Technical data**

**Type**  
Rated voltage  
Rated voltage  
Insulation between coil - contact  
Insulation between contact - contact  
Ambient temperature (operational)  
Pollution severity  
Surge category  
Terminal torque  
Connection cross-section  
Ingress protection class  
Weight

**FS 4CO**  
300 V  
10 A  
2000 V  
2000 V  
-40 °C...+85 °C  
2  
III  
0.8 Nm  
0.5...2.5 mm<sup>2</sup> / 20-14 AWG  
IP20  
43 g

**Approvals**

CE; cURus



**Accessory Metal Clip**

**Ordering data**

**For all DRM sockets**  
Recommended for use in applications with strong vibration

Type	Order No.
metal clip	7760056108



## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Industrial Relays](#) category:*

*Click to view products by [Weidmuller](#) manufacturer:*

Other Similar products are found below :

[6-1618400-7](#) [686-117111](#) [686-120111](#) [EV250-4A-02](#) [EV250-6A-01](#) [FCA-125-CX8](#) [FCA-410-138](#) [8-1618393-1](#) [GCA32A208VAC60HZ](#)  
[GCA32A220VAC50/60HZ](#) [GCA32A230VAC50/60HZ](#) [GCA32A240VAC50/60HZ](#) [GCA32A48VAC60HZ](#) [GCA63A120VAC50/60HZ](#)  
[GCA63A208VAC60HZ](#) [GCA63A220VAC60HZ](#) [GCA63A230VAC50/60HZ](#) [GCA63A240VAC50/60HZ](#) [GCA63A277VAC60HZ](#)  
[GCA63A48VAC60HZ](#) [GCA63A500VAC50/60HZ](#) [GCA63A600VAC60HZ](#) [GCA800A200VACDC](#) [GCA95A110VAC50/60HZ](#)  
[GCA95A120VAC50/60HZ](#) [GCA95A12VDC](#) [GCA95A240VAC50/60HZ](#) [GCA95A24VAC50/60HZ](#) [GCA95A48VAC60HZ](#) [ACC530U20](#)  
[ACC730U30](#) [1395832-1](#) [RM699BV-3011-85-1005](#) [RMIA210230AC](#) [RMIA45024AC](#) [1423675-8](#) [B07B032AC1-0329](#) [B329](#) [1617807-1](#)  
[N417](#) [P25-E5019-1](#) [P30C42A12D1-120](#) [2-1618398-1](#) [PBO-18A1218](#) [2307497](#) [RPYA00324LT](#) [RPYA003A120LT](#) [KR-4539-1](#)  
[RT334012WG](#) [S160156115](#)