

**D-SERIES DRM**



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

**Type code**

Type	DRM	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)						
Free wheeling diode	D						

**D-SERIES DRM**
**Technical data**
**Dimensions and weights**

Width	21.5 mm	Height	28 mm
Depth	36 mm	Net weight	36.2 g

**Temperatures**

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

**Input**

Rated control voltage	12 V DC	Rated current DC	75 mA
Power rating	0.9 W	Pull-in/drop-out voltage, typ.	9 V / 1.2 V DC
Coil resistance	160 Ω ± 10 %	Status indicator	Green LED, Mechanical

**Output**

Rated switching voltage	250 V AC	Max. switching voltage, AC	250 V
Continuous current	5 A	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
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 with test button
Contact material	AgNi 0.15 gold flashed	Mechanical service life	20 x 10 <sup>6</sup> switching cycles
Contact resistance	≤ 50 mΩ		

**General data**

Version	with LED, with test button	Test button	Yes
UL 94 flammability rating	V-0		

**Insulation coordination**

Rated voltage	250 V	Creepage and clearance distance input – output	≥ 5.5 mm
Dielectric strength input – output	1.8 kV <sub>eff</sub> / 1 min.	Dielectric strength of neighbouring contacts	1 kV <sub>eff</sub> / 1 min
Dielectric strength of open contact	1 kV <sub>eff</sub> / 1 min	Impulse withstand voltage	6 kV (1.2/50 μs)
Protection degree	IP 20	Pollution severity	2
Surge voltage category	III		

**Further details of approvals / standards**

Certificate No. (cURus)	E312083
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**Connection data**

Wire connection method	Plug-in connection
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**D-SERIES DRM**

**Technical data**

**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		

**Approvals**

Approvals



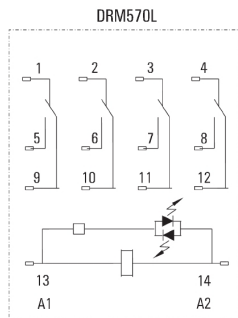
ROHS

Conform

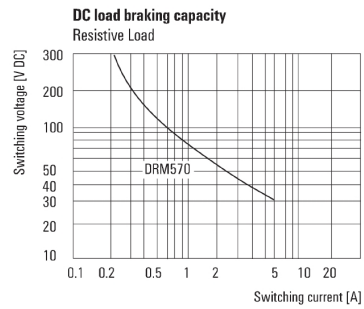
**D-SERIES DRM**

**Drawings**

**Wiring diagram**

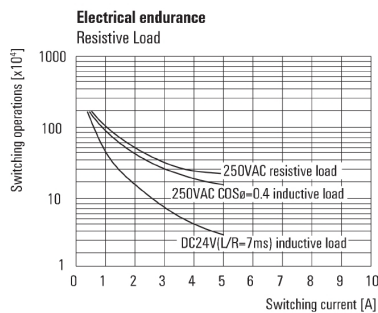


**DC load limit curve**

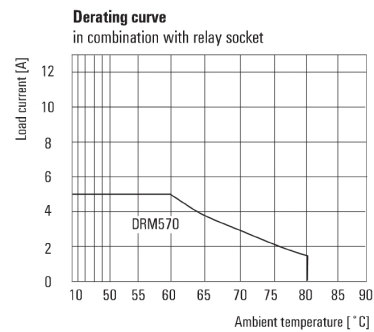


Resistive load

**Electrical service life**

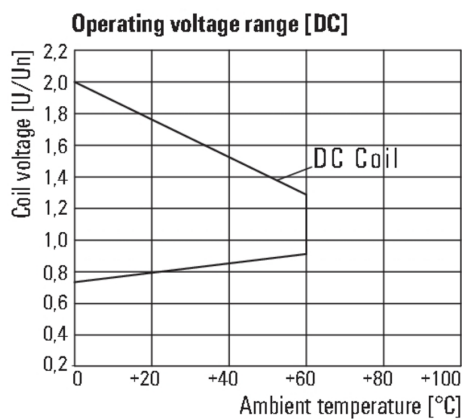


**Derating curve**



Relay in combination with base

**DC operational voltage range**



**Dimensioned drawing**

