

DRM270024LT AU

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
- AC coils
- With integrated status LED and test button

General ordering data

Version	D-SERIES DRM, Relay, Number of contacts: 2, CO contact, AgNi gold-plated, Rated control voltage: 24 V DC, Continuous current: 10 A, Plug-in connection
Order No.	7760056185
Type	DRM270024LT AU
GTIN (EAN)	4032248922246
Qty.	20 items

DRM270024LT AU

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Approvals

ROHS Conform

Dimensions and weights

Depth	35.7 mm	Depth (inches)	1.4055 inch
Height	27.4 mm	Height (inches)	1.0787 inch
Width	21 mm	Width (inches)	0.8268 inch
Net weight	35 g		

Temperatures

Storage temperature	-40 °C...70 °C	Ambient temperature	-40 °C...55 °C
Operating temperature		Humidity	35...85 % rel. humidity, no condensation

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Control side

Rated control voltage	24 V DC	Rated current DC	37.8 mA
Power rating	0.9 W	Coil resistance	650 Ω ± 10 %
Status indicator	Green LED		

Load side

Rated switching voltage	250 V AC	Continuous current	10 A
Max. switching frequency at rated load	0.1 Hz	Max. switching voltage, AC	250 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 gold-plated)
Mechanical service life	20 x 106 switching cycles	Min. switching power	1 mA @ 1 V

General data

Test button available	Yes		
Version of test button	Lockable test button, Momentary test button		
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	
	Component	Relay test button	
	UL94 flammability rating	HB	

DRM270024LT AU

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

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 kVeff / 1 min.	Dielectric strength of neighbouring contacts	1 kVeff / 1 min
Dielectric strength of open contact	1 kVeff / 1 min	Impulse withstand voltage	6 kV (1.2/50 µs)
Protection degree	IP20		

Connection data

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

Classifications

ETIM 8.0	EC001437	ETIM 9.0	EC001437
ETIM 10.0	EC001437	ECLASS 14.0	27-37-16-01
ECLASS 15.0	27-37-16-01		

Drawings

Wiring diagram



View of Pins from below

Graph



DC load limit curve Resistive load

Graph



Electrical service life

Graph



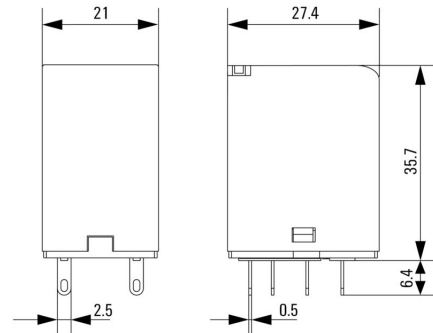
Derating curve Relay in combination with base

Graph



DC operational voltage range

Dimensional drawing



DRM270024LT AU

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

Drawings

Miscellaneous



Type codes