

DRM270012

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Product image



Similar to illustration

Individual relays within the D-SERIES DRM

- 2 CO contacts
- Optional AC or DC coils

General ordering data

Version	D-SERIES DRM, Relay, Number of contacts: 2, CO contact, AgNi flash gold-plated, Rated control voltage: 12 V DC, Continuous current: 10 A, Plug-in connection
Order No.	7760056050
Type	DRM270012
GTIN (EAN)	4032248856053
Qty.	20 items

Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E312083

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	33 g		

Temperatures

Storage temperature	-40 °C...70 °C	Ambient temperature	-40 °C...60 °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%

Rated data UL

Certificate No. (cURus) E312083

Control side

Rated control voltage	12 V DC	Rated current DC	75 mA
Power rating	0.9 W	Coil resistance	160 Ω ± 10 %
Status indicator	No		

Load side

Rated switching voltage	250 V AC	Continuous current	10 A
Max. switching frequency at rated load	0.1 Hz	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 flash gold-plated)	Mechanical service life	20 x 10 ⁶ switching cycles
Min. switching power	10 mA @ 12 V, 100 mA @ 5 V		

General data

Test button available	No		
Mechanical switch position indicator	Yes		
Colour	Transparent		
UL94 flammability rating component	Component	Relay cover	
	UL94 flammability rating	V-2	
	Component	Relay baseplate	

Technical data

UL94 flammability rating	V-0
Component	Relay status indicator
UL94 flammability rating	HB

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		

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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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



Miscellaneous



Type codes