

## DRMKIT 24VAC 2CO LD

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

www.weidmuller.com

### Product image



Similar to illustration

- Mounted kit consisting relay, socket and retaining clip
- 100 % function tested
- 100 % check of the dielectric strenght between input - output
- 2 CO contacts
- Optional with mechanical status indicator
- Optional Test button with coloured identification of coils (AC red / DC blue)
- Bright status LED (AC coil: red / DC coil: green)

### General ordering data

Version	D-SERIES DRM, Relay module, Number of contacts: 2, CO contact AgNi flash gold-plated, Rated control voltage: 24 V AC, Continuous current: 10 A, Screw connection, Test button available: No
Order No.	<a href="#">1542380000</a>
Type	DRMKIT 24VAC 2CO LD
GTIN (EAN)	4050118347074
Qty.	10 items

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**Technical data**

**Approvals**

Approvals



ROHS Conform

**Dimensions and weights**

Depth	66.8 mm	Depth (inches)	2.6299 inch
Height	79.9 mm	Height (inches)	3.1457 inch
Width	27.2 mm	Width (inches)	1.0709 inch
Net weight	81.05 g		

**Temperatures**

Storage temperature	-40 °C...70 °C	Ambient temperature	-40 °C...55 °C
Operating temperature			

**Environmental Product Compliance**

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

**Control side**

Rated control voltage	24 V AC	Rated current AC	62.4 mA (50 Hz), 52.2 mA (60 Hz)
Power rating	1.0...1.2VA (60HZ)	Coil resistance	160 Ω ± 10 %
Status indicator	red 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 flash gold-plated)
Mechanical service life	20 x 106 switching cycles	Min. switching power	10 mA @ 12 V, 100 mA @ 5 V

**General data**

Mounting rail	TS 35	
Test button available	No	
Mechanical switch position indicator	Yes	
Colour	black	
UL94 flammability rating component	Component	Housing
	UL94 flammability rating	V-2
	Component	Mounting foot
	UL94 flammability rating	HB
	Component	Retaining clip
	UL94 flammability rating	HB
Component	Relay cover	
	UL94 flammability rating	V-2

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## Technical data

Component	Relay baseplate
UL94 flammability rating	V-0
Component	Relay status indicator
UL94 flammability rating	HB
Component	Relay test button
UL94 flammability rating	HB

## Insulation coordination

Rated voltage	250 V	Pollution severity	2
Surge voltage category	III	Insulating material group	C
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	4.8 kV (1.2/50 µs)	Protection degree	IP20

## Further details of approvals / standards

Relevant relay	<a href="#">DRM270524L</a>	Relevant base	<a href="#">SCM 2CO ECO</a>
Certificate no. (cURus) relay	E312083	Certificate no. (cURus) base	E312083

## Connection data

Wire connection method	Screw connection	Stripping length, rated connection	7 mm
Tightening torque, min.	0.5 Nm	Tightening torque, max.	0.7 Nm
Clamping range, min.	0.5 mm <sup>2</sup>	Clamping range, max.	2.5 mm <sup>2</sup>
Wire cross-section, solid, min.	0.5 mm <sup>2</sup>	Wire cross-section, solid, max.	2.5 mm <sup>2</sup>
Wire connection cross section, finely stranded, min.	0.5 mm <sup>2</sup>	Wire connection cross section, finely stranded, max.	2.5 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm <sup>2</sup>
Conductor cross-section, flexible, AEH (DIN 46228-1), min.	0.5 mm <sup>2</sup>	Conductor cross-section, flexible, AEH (DIN 46228-1), max.	2.5 mm <sup>2</sup>
Wire connection cross section, finely stranded, two clampable wires, min.	0.5 mm <sup>2</sup>	Wire cross-section, finely stranded, two clampable wires, max.	1 mm <sup>2</sup>
Blade size	size PH1		

## 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		

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Drawings

Wiring diagram



Graph



DC load limit curve Resistive load

Graph



Electrical service life

Graph



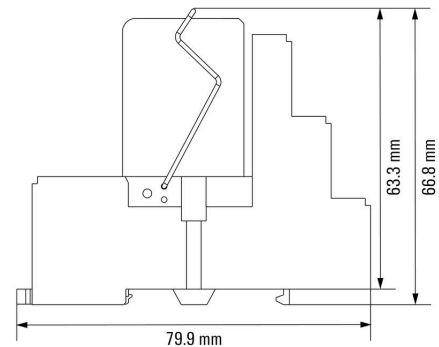
Derating curve

Graph



AC operational voltage range

Dimensional drawing



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**Drawings**

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**Miscellaneous**



Type codes

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## Accessories

### LED



Pluggable protective modules for the D-SERIES relay sockets, with optional protective functions.

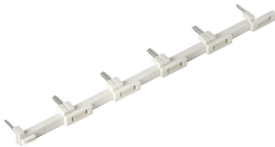
- With green LED

### General ordering data

Type	RIM 3 6/24VUC	Version	
Order No.	<a href="#">7940018457</a>	D-SERIES, LED module, Rated control voltage: 6...24 V UC, Plug-in connection	
GTIN (EAN)	4032248878192		
Qty.	10 ST		
Type	RIM 3 24/60VUC	Version	
Order No.	<a href="#">7760056018</a>	D-SERIES, LED module, Rated control voltage: 24...60 V UC, Plug-in connection	
GTIN (EAN)	4032248878130		
Qty.	10 ST		

### Cross-connection for socket with screw connection

Cross-connection for the sockets in the D-SERIES DRM.



### General ordering data

Type	SCMH QV S	Version	
Order No.	<a href="#">1132080000</a>	RIDERSERIES RCM, Cross-connector	
GTIN (EAN)	4032248912193		
Qty.	10 ST		

### Retaining clips



Retaining clip for D-SERIES DRM relays

- Metal and plastic retaining clip

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## Accessories

### General ordering data

Type	SCM CLIP P	Version
Order No.	<a href="#">7760056367</a>	D-SERIES DRM, Retaining clip
GTIN (EAN)	6944 169773334	
Qty.	5 ST	

### Blank



ESG is the tried-and-tested marker in MultiCard format for use on many well-known electrical devices. The result is high-quality device marking with a high-contrast appearance.

Various types are available for devices from manufacturers like Siemens, ABB, Beckhoff etc.

Advantages at a glance:

- Tags for universal usage, self-adhesive or clip-on tags, depending on type
- For aligned equipment, e.g. circuit breakers, we supply ESG markers for clipping onto tag rails
- Individual laser-quality printing according to specifications

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

### General ordering data

Type	ESG 9/26 SCM ECO MC NE ...	Version
Order No.	<a href="#">1520980000</a>	ESG, Device markers x 26 mm, PA 66, Colour: white, pluggable
GTIN (EAN)	4050118327939	
Qty.	80 ST	
Type	ESG 9/26 SCM ECO MC NE ...	Version
Order No.	<a href="#">1520990000</a>	ESG, Device markers x 26 mm, PA 66, Colour: yellow, pluggable
GTIN (EAN)	4050118327861	
Qty.	80 ST	
Type	ESG 9/26 SCM ECO MC NE ...	Version
Order No.	<a href="#">1521000000</a>	ESG, Device markers x 26 mm, PA 66, Colour: grey, pluggable
GTIN (EAN)	4050118327878	
Qty.	80 ST	

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## Accessories

### Custom printing



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- Individual laser-quality printing according to specifications

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

### General ordering data

Type	ESG 9/26 SCM ECO MC SDR	Version	
Order No.	<a href="#">1525800000</a>	ESG, Device markers x 26 mm, PA 66, Colour: To customer specification, pluggable	
GTIN (EAN)	4050118331875		
Qty.	16 ST		

### Crosshead screwdriver, Phillips



VDE insulated screwdriver sets, for working on live parts up to 1000 V AC and 1500 V DC, DIN EN 60900, IEC 900. Each piece is "GS" safety tested. Blade made from fully hardened, high-alloy chromium-vanadium-molybdenum steel, gun-metal finish.

### General ordering data

Type	SDIK SLIM PH1 X 80	Version	
Order No.	<a href="#">2749650000</a>	Screwdriver, Blade width (B): 1 mm, 80 mm, Blade thickness (A): 1	
GTIN (EAN)	4050118896398		
Qty.	1 ST		

### Crosshead screwdriver Phillips



VDE insulated crosshead screwdriver, for Phillips screws, SDIK PH DIN 7438, ISO 8764/2-PH, output to ISO 8764-PH, SoftFinish grip

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## Accessories

### General ordering data

Type	SDIK PH1 X 80	Version	
Order No.	<a href="#">2749890000</a>	Screwdriver, Blade width (B): 1 mm, 80 mm, Blade thickness (A): 1	
GTIN (EAN)	4050118897098		
Qty.	1 ST		
Type	SDK PH1 X 80	Version	
Order No.	<a href="#">2749410000</a>	Screwdriver, Blade width (B): 4.5 mm, 80 mm, Blade thickness (A): 1	
GTIN (EAN)	4050118895636		
Qty.	1 ST		

### ESG 6/15



Guaranteed long service life: ESG

The multi-colour and multi-format labels have a strong adhesive layer to ensure the best possible adhesion to the underlying surface. Double laminated polyester makes the basic material very thin and yet extremely tear-resistant. Your benefits with MultiMark

- "Different materials for various requirements"
- Can be used with equipment from many manufacturers
- Device markers with a familiar design

### General ordering data

Type	ESG 6/15 MM WS	Version	
Order No.	<a href="#">2619940000</a>	ESG, Device markers, 6 x 15 mm, white	
GTIN (EAN)	4050118626148		
Qty.	3000 ST		

### ESG 6/17



Guaranteed long service life: ESG

The multi-colour and multi-format labels have a strong adhesive layer to ensure the best possible adhesion to the underlying surface. Double laminated polyester makes the basic material very thin and yet extremely tear-resistant. Your benefits with MultiMark

- "Different materials for various requirements"
- Can be used with equipment from many manufacturers
- Device markers with a familiar design

### General ordering data

Type	ESG 6/17 MM WS	Version	
Order No.	<a href="#">2005100000</a>	ESG, Device markers, 6 x 17 mm, white	
GTIN (EAN)	4050118390728		
Qty.	3000 ST		