

## D-SERIES DRM DRMKIT 24VDC 2CO LD

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
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### Product image



Our relay kits are particularly convenient to use. The kits are delivered fully assembled and 100 % function-tested. This saves assembly time and reduces the number of parts required.

- Assembled kit consisting of relay, base and retaining clip, incl. label
- 100% function-tested
- 100% control of the dielectric strength input - output
- Optional: test button with coloured control voltage marking (AC coil: red / DC coil: blue) and mechanical switch position indicator
- Bright status LED (AC coil: red / DC coil: green)

### General ordering data

Type	DRMKIT 24VDC 2CO LD
Order No.	<a href="#">1542360000</a>
Version	D-SERIES DRM, Relay module, Number of contacts: 2, CO contact AgNi 0,15 µm Au, Rated control voltage: 24 V DC, Continuous current: 10 A, Screw connection
GTIN (EAN)	4050118347234
Qty.	10 pc(s).
Relevant base	<a href="#">7760056263</a>
Relevant relay	<a href="#">7760056060</a>

Creation date 24 August 2020 10:49:11 CEST

**D-SERIES DRM**  
**DRMKIT 24VDC 2CO LD**

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**Technical data**
**Dimensions and weights**

Width	27.2 mm	Width (inches)	1.071 inch
Height	79.9 mm	Height (inches)	3.146 inch
Depth	66.8 mm	Depth (inches)	2.63 inch
Net weight	93.35 g		

**Temperatures**

Operating temperature, max.	60 °C	Operating temperature, min.	-40 °C
Storage temperature, max.	70 °C	Storage temperature, min.	-40 °C
Operating temperature	-40 °C...60 °C	Storage temperature	-40 °C...70 °C

**Environmental Product Compliance**

REACH SVHC	Lead 7439-92-1
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**Input**

Rated control voltage	24 V DC	Rated current DC	36.9 mA
Power rating	0.9 W	Pull-in/drop-out voltage, typ.	18 V / 2.4 V DC
Coil resistance	650 Ω ± 10 %	Status indicator	Green LED
Protective circuit	Free-wheeling diode		

**Output**

Rated switching voltage	250 V AC	Max. switching voltage, AC	250 V
Continuous current	10 A	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
Min. switching power	10 mA @ 12 V, 100 mA @ 5 V	Max. switching frequency at rated load	0.1 Hz

**Contact data**

Contact type	2 CO contact (AgNi 0,15 µm Au)	Contact resistance	≤ 50 mΩ
Mechanical service life	20 x 10 <sup>6</sup> switching cycles		

**General data**

Rail	TS 35	Test button	No
Mechanical switch position indicator	Yes	Colour	black

**Insulation coordination**

Rated voltage	250 V	Surge voltage category	III
Pollution severity	2	Insulating material group	C
Protection degree	IP20	Dielectric strength, Input/Output	1.8 kV <sub>eff</sub> / 1 min.
Creepage and clearance distance input – output	≥ 5.5 mm	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	4.8 kV (1.2/50 µs)

**Further details of approvals / standards**

Certificate no. (cURus) relay	E312083	Certificate no. (cURus) base	E312083
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**Technical data****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 6.0	EC001437	ETIM 7.0	EC001437
eClass 9.0	27-37-16-01	eClass 9.1	27-37-16-01
eClass 10.0	27-37-16-01		

**Approvals**

Approvals



ROHS

Conform

**Downloads**

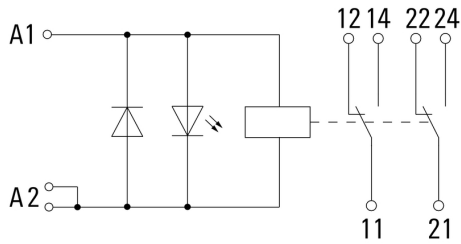
Approval/Certificate/Document of Conformity	<a href="#">EU Konformitätserklärung / EU Declaration of Conformity</a>
Engineering Data	<a href="#">EPLAN, WSCAD, Zuken E3.S</a>
Engineering Data	<a href="#">STEP</a>

**D-SERIES DRM  
DRMKIT 24VDC 2CO LD**

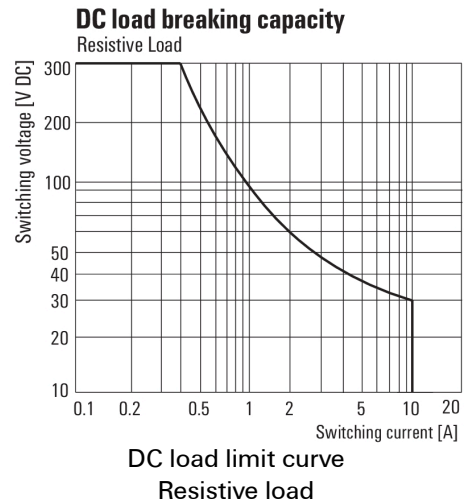
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**Drawings**

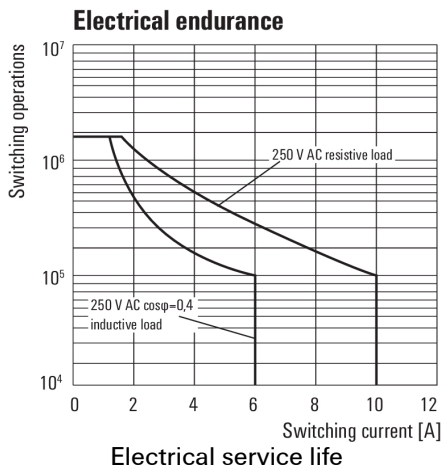
**Wiring diagram**



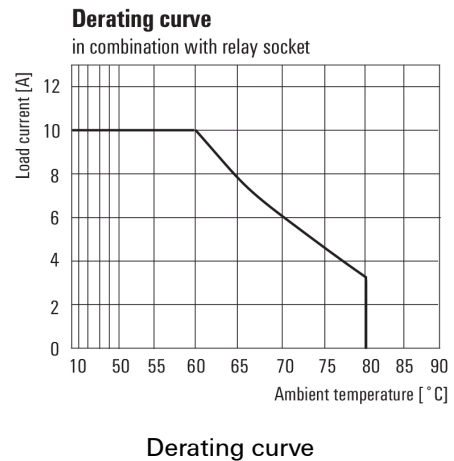
**Graph**



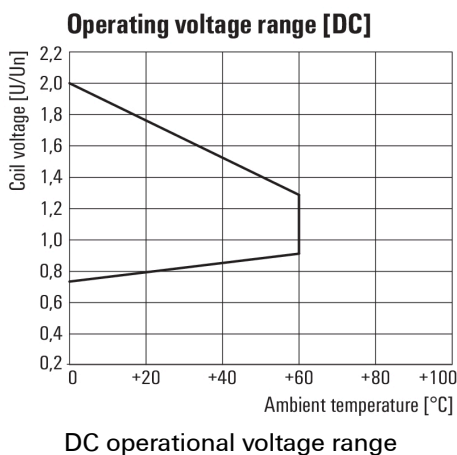
**Graph**



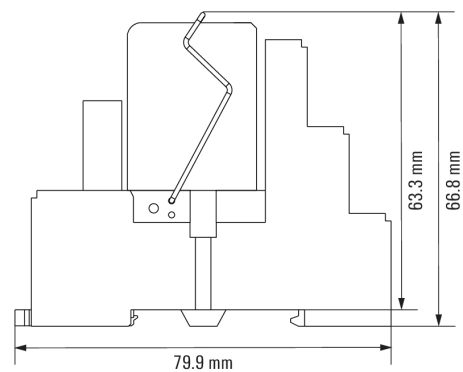
**Graph**



**Graph**



**Dimensional drawing**



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**Accessories**

**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 PH1 SL	Version
Order No.	<a href="#">1274710000</a>	Mounting tool, Blade length: 80 mm
GTIN (EAN)	4050118073249	
Qty.	1 pc(s).	

**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

**General ordering data**

Type	SDIK PH1	Version
Order No.	<a href="#">9008570000</a>	Screwdriver, Blade length: 80 mm
GTIN (EAN)	4032248056569	
Qty.	1 pc(s).	

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**Accessories**

**LED**



Accessories for D-SERIES relays include:

- Relay bases
- LED / Protective modules
- Metal retaining clips

**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.	20 pc(s).	
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 pc(s).	

**LED / free-wheel diode**



Accessories for D-SERIES relays include:

- Relay bases
- LED / Protective modules
- Metal retaining clips

**General ordering data**

Type	RIM 2 6/24VDC	Version
Order No.	<a href="#">7760056015</a>	D-SERIES, LED module with freewheel diode, Rated control voltage: 6...24 V DC, Plug-in connection
GTIN (EAN)	4032248878116	
Qty.	10 pc(s).	
Type	RIM 2 24/60VDC	Version
Order No.	<a href="#">7760056016</a>	D-SERIES, LED module with freewheel diode, Rated control voltage: 24...60 V DC, Plug-in connection
GTIN (EAN)	4032248878123	
Qty.	10 pc(s).	

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**Accessories**
**Cross-connection for base with screw connection**


You place stringent demands on your relay combinations in industrial environments. Our D-SERIES relay modules were designed specifically for challenging industrial applications. Let's connect.

In many industrial applications voltages between 110 and 220 V are used to control actuators. With load currents exceeding 100 mA these high voltages produce arcing that causes a great deal of wear on the relay contacts.

We have designed our D-SERIES relay modules specifically for universal usage in a wide range of industrial applications. They are much more reliable than conventional solutions, which minimises costs for maintenance and replacement.

Thanks to series connected contacts, built-in blow magnets and low-wear contacts, arcing is effectively suppressed with D-SERIES products – resulting in a noticeably longer service life.

**General ordering data**

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

**Crosshead screwdriver Phillips**

Crosshead screwdriver, Phillips, SDK PH DIN 5262, ISO 8764/2-PH, output to ISO 8764-PH, ChromTop tip, SoftFinish grip


**General ordering data**

Type	SDK PH1	Version
Order No.	<a href="#">9008480000</a>	Screwdriver, Blade width (B): 4.5 mm, Blade length: 80 mm
GTIN (EAN)	4032248056477	
Qty.	1 pc(s).	

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# Accessories

## Retaining clip



Accessories for D-SERIES relays include:

- Relay bases
- LED / Protective modules
- Metal retaining clips

## General ordering data

Type	SCM CLIP P	Version
Order No.	<a href="#">7760056367</a>	D-SERIES DRM, Retaining clip
GTIN (EAN)	6944169773334	
Qty.	5 pc(s).	

## MultiCard



The Weidmüller device markers enable users to conform to obligatory equipment labelling regulations. Users can label the device markers themselves by means of suitable software and system-compatible printer systems. ESG is the tried-and-tested marker in MultiCard format. The result is high-quality device marking with a high-contrast appearance.

ESG 9/26 SCM ECO MC... for marking D-SERIES DRM relay sockets:

- Attachable MultiCard markers
- Depending on the relay socket it is attachable on up to 4 levels
- Additional option for attaching the marker on plastic retaining clip: SCM CLIP P
- PrintJet printable

## 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
GTIN (EAN)	4050118331875	
Qty.	80 pc(s).	
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
GTIN (EAN)	4050118327878	
Qty.	80 pc(s).	
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
GTIN (EAN)	4050118327939	
Qty.	80 pc(s).	

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# Accessories

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
GTIN (EAN)	4050118327861	
Qty.	80 pc(s).	

## 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

- Double laminated polyester
- 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.	3,000 pc(s).	

## 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

- Double laminated polyester
- 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.	3,000 pc(s).	

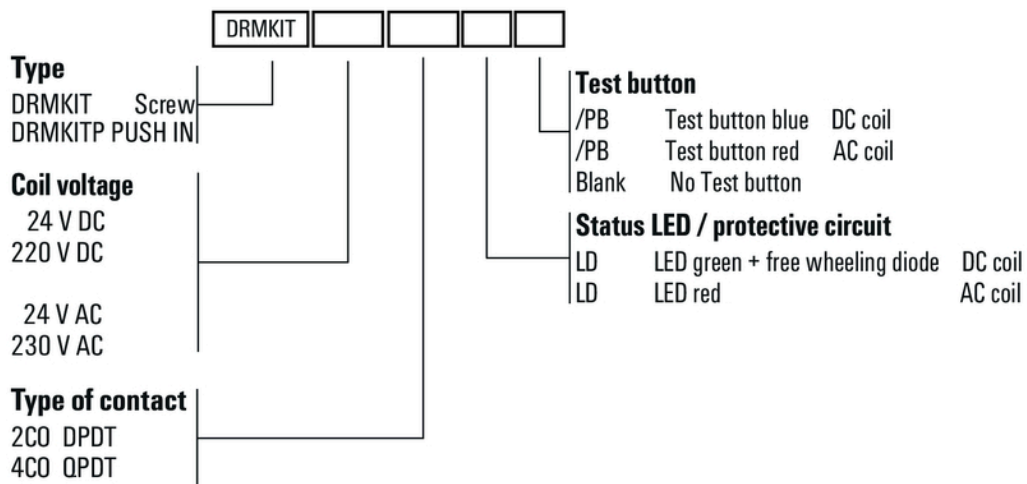
**Data sheet**

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**Drawings**

**Miscellaneous**



Type codes