

## DRIKIT 24VAC 1CO LD/PB

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

www.weidmueller.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
- 1 CO contact
- 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 DRI, Relay module, Number of contacts: 1, CO contact AgSnO, Rated control voltage: 24 V AC, Continuous current: 10 A, Screw connection, Test button available: Yes
Order No.	<a href="#">2476780000</a>
Type	DRIKIT 24VAC 1CO LD/PB
GTIN (EAN)	4050118497007
Qty.	10 items

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## Technical data

## Approvals

Approvals



ROHS Conform

## Dimensions and weights

Depth	68 mm	Depth (inches)	2.6772 inch
Height	80.2 mm	Height (inches)	3.1575 inch
Width	15.8 mm	Width (inches)	0.622 inch
Net weight	59.4 g		

## Temperatures

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

## Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	7cl
REACH SVHC	No SVHC above 0.1 wt%

## Control side

Rated control voltage	24 V AC	Rated current AC	50 mA
Power rating	1.2 VA	Coil resistance	240 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
Max. switching voltage, DC	250 V	AC switching capacity (resistive), max.	2500 VA
DC switching capacity (resistive), max.	240 W @ 24 V	Switch-on delay	≤ 15 ms
Switch-off delay	≤ 10 ms	Contact type	1 CO contact (AgSnO)
Mechanical service life	10 x 10 <sup>6</sup> switching cycles	Min. switching power	10 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V

## General data

Mounting rail	TS 35	
Test button available	Yes	
Version of test button	Lockable test button, Momentary test button	
Mechanical switch position indicator	No	
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	

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UL94 flammability rating	V-2
Component	Relay baseplate
UL94 flammability rating	V-0
Component	Relay test button
UL94 flammability rating	HB

## Insulation coordination

Rated voltage	250 V	Pollution severity	2
Surge voltage category	III	Insulating material group	IIIb
Clearance and creepage distances for control side - load side	≥ 3 mm	Dielectric strength for control side - load side	4 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="#">DRI314524LT</a>	Relevant base	<a href="#">SDI 1CO</a>
Certificate no. (cURus) relay	E312083	Certificate no. (cURus) base	E355547

## Connection data

Wire connection method	Screw connection	Stripping length, rated connection	8 mm
Tightening torque, min.	0.5 Nm	Tightening torque, max.	0.8 Nm
Clamping range, rated connection	1.5 mm <sup>2</sup>	Clamping range, min.	0.25 mm <sup>2</sup>
Clamping range, max.	4 mm <sup>2</sup>	Wire cross-section, solid, min.	0.25 mm <sup>2</sup>
Wire cross-section, solid, max.	4 mm <sup>2</sup>	Wire connection cross section, finely stranded, min.	0.25 mm <sup>2</sup>
Wire connection cross section, finely stranded, max.	4 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.25 mm <sup>2</sup>
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	4 mm <sup>2</sup>	Conductor cross-section, flexible, AEH (DIN 46228-1), min.	0.25 mm <sup>2</sup>
Conductor cross-section, flexible, AEH (DIN 46228-1), max.	4 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**



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 DRI.



## General ordering data

Type	SRC-I QV S	Version	
Order No.	<a href="#">1132070000</a>	RIDERSERIES RCI, Cross-connector	
GTIN (EAN)	4032248912087		
Qty.	10 ST		

## Retaining clips

Retaining clip for D-SERIES DRI relays

- Metal and plastic retaining clip



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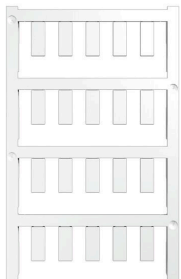
www.weidmueller.com

## Accessories

## General ordering data

Type	SDI CLIP HM	Version
Order No.	<a href="#">7760056390</a>	D-SERIES DRI, Retaining clip
GTIN (EAN)	6944 169787898	
Qty.	10 ST	
Type	SDI CLIP P	Version
Order No.	<a href="#">7760056389</a>	D-SERIES DRI, Retaining clip
GTIN (EAN)	6944 169787539	
Qty.	10 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:

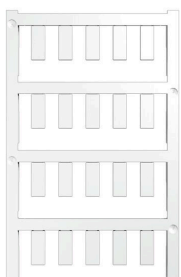
- Tags for universal usage, self-adhesive or clip-on tags, depending on type
- For aligned equipment, e.g. circuit breakers, we supply ESG markers for clipping onto tag rails
- Individual laser-quality printing according to specifications

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 6/15 SDI MC NE WS	Version
Order No.	<a href="#">2558340000</a>	ESG, Device markers x 15 mm, PA 66, Colour: white, pluggable
GTIN (EAN)	4050118569056	
Qty.	200 ST	

## Custom printing



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.

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## Accessories

### General ordering data

Type	ESG 6/15 SDI MC SDR	Version	
Order No.	<a href="#">2558310000</a>	ESG, Device markers x 15 mm, PA 66, Colour: To customer	
GTIN (EAN)	4050118569025	specification, pluggable	
Qty.	40 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

### 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		

### 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		

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## Accessories

### 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 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		