

**DRI424012LTD****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image**

Similar to illustration

Individual relays within the D-SERIES DRI

- 2 CO contact
- DC coils
- With integrated status LED, free-wheeling diode and test button

**General ordering data**

Version	D-SERIES DRI, Relay, Number of contacts: 2, CO contact AgSnO, Rated control voltage: 12 V DC, Continuous current: 5 A, Flat blade connections (2.5 mm x 0.5 mm), Test button available: Yes
Order No.	<a href="#">7760056339</a>
Type	DRI4240 12LTD
GTIN (EAN)	6944 1697 39866
Qty.	20 pc(s).

**DRI424012LTD****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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

Depth	33.5 mm	Depth (inches)	1.319 inch
Height	31 mm	Height (inches)	1.22 inch
Width	13 mm	Width (inches)	0.512 inch
Net weight	19.75 g		

**Temperatures**

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

**Rated data UL**

Certificate No. (cURus)	E312083
-------------------------	---------

**Control side**

Rated control voltage	12 V DC	Rated current DC	44,4 mA
Power rating	530 mW	Coil resistance	270 Ω ± 10 %
Coil tolerance	10 %	Status indicator	Green LED
Protective circuit	Free-wheeling diode		

**Load side**

Rated switching voltage	250 V AC	Continuous current	5 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.	1250 VA
DC switching capacity (resistive), max.	150 W @ 24 V	Switch-on delay	≤ 15 ms
Switch-off delay	≤ 10 ms	Contact type	2 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**

Test button available	Yes	
Version of test button	Lockable test button, Momentary test button	
Mechanical switch position indicator	No	
Colour	Transparent	
UL94 flammability rating component	Component	Relay cover
	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	300 V	Pollution severity	2
Surge voltage category	III	Insulating material group	IIIa
Clearance and creepage distances for control side - load side	≥ 4 mm	Dielectric strength for control side - load side	5 kV <sub>eff</sub> / 1 min
Dielectric strength of neighbouring contacts	1.5 kV <sub>eff</sub> / 1 min.	Dielectric strength of open contact	1 kV <sub>eff</sub> / 1 min
Impulse withstand voltage	5 kV (1.2/50 μs)	Protection degree	IP20

Creation date May 3, 2024 1:05:14 AM CEST

Catalogue status 20.04.2024 / We reserve the right to make technical changes.

**DRI424012LTD****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Further details of approvals / standards**

Certificate No. (cURus)	E312083
-------------------------	---------

**Connection data**

Wire connection method	Flat blade connections (2.5 mm x 0.5 mm)
------------------------	---

**Classifications**

ETIM 6.0	EC001437	ETIM 7.0	EC001437
ETIM 8.0	EC001437	ETIM 9.0	EC001437
ECLASS 9.0	27-37-16-01	ECLASS 9.1	27-37-16-01
ECLASS 10.0	27-37-16-01	ECLASS 11.0	27-37-16-01
ECLASS 12.0	27-37-16-01	ECLASS 13.0	27-37-16-01

**Approvals**

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E312083

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">EU Konformitätserklärung / EU Declaration of Conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Product Change Notification	<a href="#">20210401 Product change Notification D-SERIES DRI relays - status indicator</a>
User Documentation	<a href="#">FL_D-SERIES_DRI2CO_LOAD_GUIDE</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

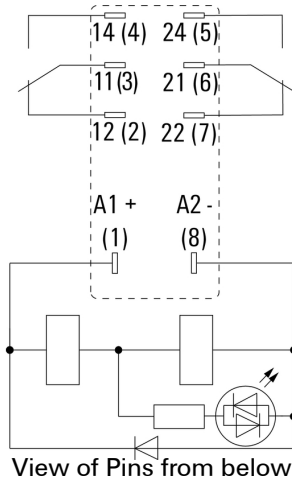
## DRI424012LTD

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

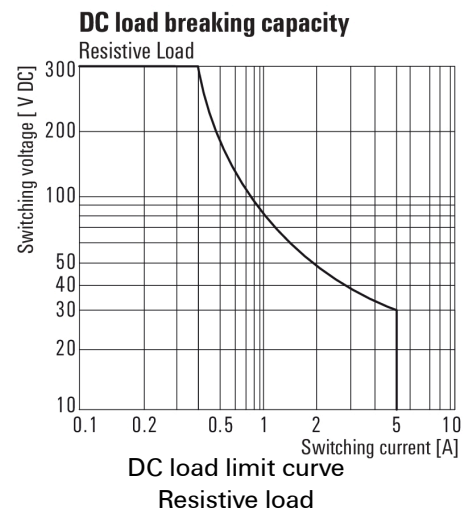
[www.weidmueller.com](http://www.weidmueller.com)

## Drawings

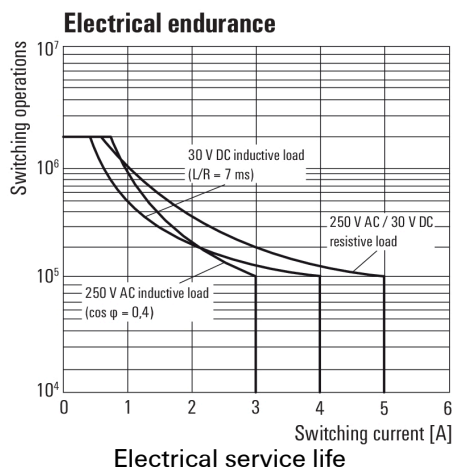
### Wiring diagram



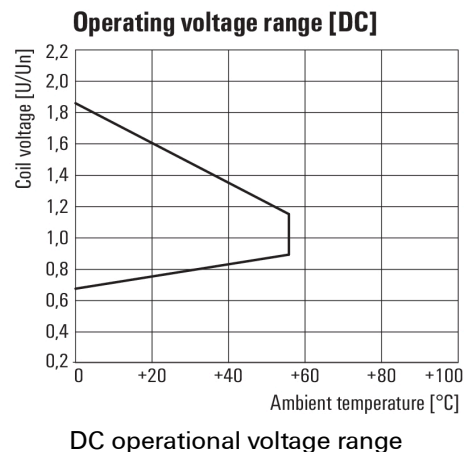
### Graph



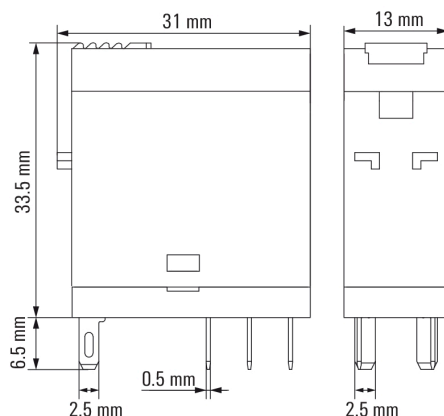
### Graph



### Graph



### Dimensional drawing



## DRI424012LTD

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Accessories

## 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.	3,000 pc(s).	

## 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
GTIN (EAN)	4050118569056	
Qty.	200 pc(s).	

## DRI424012LTD

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Accessories

## Sockets



Relay sockets for the D-SERIES DRI relays

- 1 and 2 CO contacts
- Screw and PUSH IN connection
- Standard and low heights

## General ordering data

Type	SDI 2CO P	Version
Order No.	<a href="#">7760056365</a>	D-SERIES DRI, Relay socket, Number of contacts: 2, CO contact,
GTIN (EAN)	6944169772290	Continuous current: 8 A, PUSH IN
Qty.	20 pc(s).	
Type	SDI 2CO ECO	Version
Order No.	<a href="#">7760056347</a>	D-SERIES DRI, Relay socket, Number of contacts: 2, CO contact,
GTIN (EAN)	6944169739941	Continuous current: 8 A, Screw connection
Qty.	10 pc(s).	
Type	SDI 2CO	Version
Order No.	<a href="#">7760056351</a>	D-SERIES DRI, Relay socket, Number of contacts: 2, CO contact,
GTIN (EAN)	6944169739989	Continuous current: 8 A, Screw connection
Qty.	10 pc(s).	
Type	SDI 2CO F ECO	Version
Order No.	<a href="#">7760056349</a>	D-SERIES DRI, Relay socket, Number of contacts: 2, CO contact,
GTIN (EAN)	6944169739965	Continuous current: 8 A, Screw connection
Qty.	10 pc(s).	

## LED / free-wheel diode



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

- With green LED and free-wheeling diode

## 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:
GTIN (EAN)	4032248878116	6...24 V DC, Plug-in connection
Qty.	10 pc(s).	

## DRI424012LTD

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Accessories

## Protection modules



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

- With free-wheeling diode or RC filter

## General ordering data

Type	RIM 1 6/230VDC	Version
Order No.	<a href="#">7760056169</a>	D-SERIES, Free-wheeling diode, Rated control voltage: 6...230 V, Plug-
GTIN (EAN)	4032248967728	in connection
Qty.	10 pc(s).	

## 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.

## 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
Qty.	40 pc(s).	

## DRI424012LTD

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Accessories

## Retaining clips

Retaining clip for D-SERIES DRI relays

- Metal and plastic retaining clip



## General ordering data

Type	SDI CLIP P	Version
Order No.	<a href="#">7760056389</a>	D-SERIES DRI, Retaining clip
GTIN (EAN)	6944169787539	
Qty.	10 pc(s).	
Type	SDI CLIP	Version
Order No.	<a href="#">7760056352</a>	D-SERIES DRI, Retaining clip
GTIN (EAN)	6944169739996	
Qty.	10 pc(s).	
Type	SDI CLIP HM	Version
Order No.	<a href="#">7760056390</a>	D-SERIES DRI, Retaining clip
GTIN (EAN)	6944169787898	
Qty.	10 pc(s).	

## LED

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

- With green LED



## General ordering data

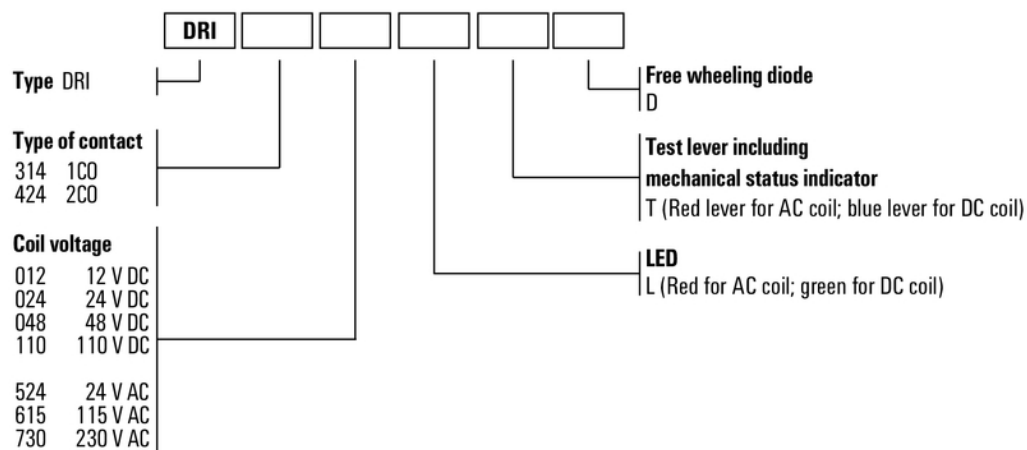
Type	RIM 3 6/24VUC	Version
Order No.	<a href="#">7940018457</a>	D-SERIES, LED module, Rated control voltage: 6...24 V UC, Plug-in connection
GTIN (EAN)	4032248878192	
Qty.	10 pc(s).	

**DRI424012LTD****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Drawings****Miscellaneous**

Type codes