

**D-SERIES DRL**  
**DRL570048L**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

**Product image**

Similar to illustration

Relay from the D-SERIES DRL.

- 1, 2, 3 or 4 CO contacts
- Compact design
- Wide range of coil voltages
- With integrated status display (AC red, DC green)

**General ordering data**

Type	DRL570048L
Order No.	<a href="#">1133640000</a>
Version	D-SERIES DRL, Relay, Number of contacts: 4 CO contact AgCdO, Rated control voltage: 48 V DC, Continuous current: 10 A, Flat blade connections (4.8 mm x 0.5 mm)
GTIN (EAN)	4032248953165
Qty.	10 pc(s).

Creation date May 1, 2020 11:55:22 PM CEST

Catalogue status 17.04.2020 / We reserve the right to make technical changes.

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

Width	41.5 mm	Width (inches)	1.634 inch
Height	28 mm	Height (inches)	1.102 inch
Depth	36 mm	Depth (inches)	1.417 inch
Net weight	65 g		

**Temperatures**

Humidity	35 % to 85 % relative humidity level	Operating temperature, max.	55 °C
Operating temperature, min.	-25 °C	Storage temperature, max.	55 °C
Storage temperature, min.	-25 °C	Operating temperature	-25 °C...55 °C
Storage temperature	-25 °C...55 °C		

**Environmental Product Compliance**

REACH SVHC	Lead 7439-92-1
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**Rated data UL**

Certificate No. (cURus)	E312083
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**Input**

Rated control voltage	48 V DC	Rated current DC	31.2 mA
Power rating	1.5 W	Pull-in/drop-out voltage, typ.	36 V / 4.8 V DC
Coil resistance	1540 Ω ± 10 %	Status indicator	Green LED

**Output**

Rated switching voltage	250 V AC	Max. switching voltage, AC	250 V
Continuous current	10 A	Inrush current	50 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	100 mA @ 12 V	Max. switching frequency at rated load	0.1 Hz

**Contact data**

Contact type	4 CO contact (AgCdO)	Contact resistance	≤ 50 mΩ
Mechanical service life	10 x 10 <sup>6</sup> switching cycles		

**General data**

Test button	No	Mechanical switch position indicator	Yes
Colour	Transparent	UL 94 flammability rating	V-2

**Insulation coordination**

Rated voltage	250 V	Surge voltage category	III
Pollution severity	3	Insulating material group	IIIa
Protection degree	IP20	Dielectric strength, Input/Output	2 kV <sub>eff</sub> / 1 min
Creepage and clearance distance input – output	≥ 4 mm	Dielectric strength of neighbouring contacts	1.2 kV <sub>eff</sub> / 1 min.
Dielectric strength of open contact	1.2 kV <sub>eff</sub> / 1 min.	Impulse withstand voltage	5 kV (1.2/50 μs)

**Data sheet**

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**Technical data**

**Further details of approvals / standards**

Standards	IEC 61810-1, EN 60664-1:2007, EN 61000-6-2:2005, EN 61000-6-4:2007 + A1:2011, UL 508	Certificate No. (cURus)	E312083
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**Connection data**

Wire connection method	Flat blade connections (4.8 mm x 0.5 mm)
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**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
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**Downloads**

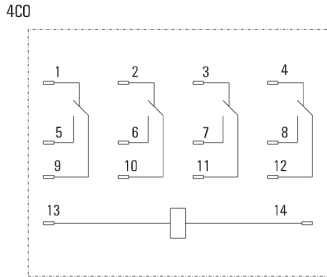
Approval/Certificate/Document of Conformity	<a href="#">EU Konformitätserklärung / EU Declaration of Conformity</a>
Brochure/Catalogue	<a href="#">CAT 4.2 ELECTR 18/19 EN</a>
Engineering Data	<a href="#">EPLAN, WSCAD</a>
Engineering Data	<a href="#">STEP</a>

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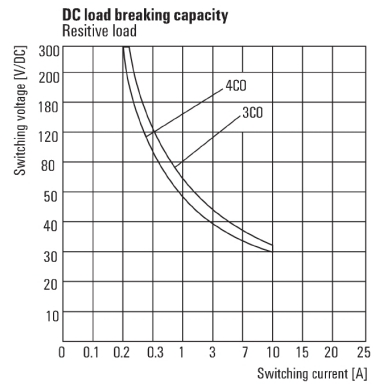
**Drawings**

**Wiring diagram**



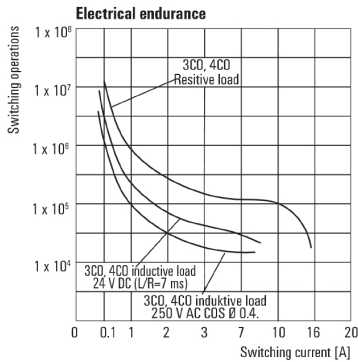
View of Pins from below

**Graph**



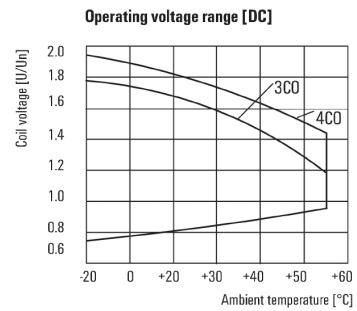
DC load limit curve  
Resistive load

**Graph**



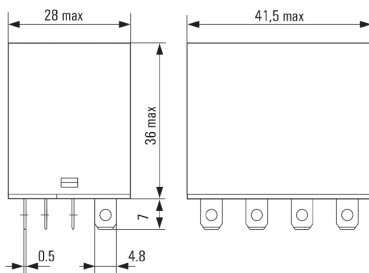
Electrical service life

**Graph**



DC operational voltage range

**Dimensional drawing**



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**Mating connector (fully pluggable)****Base**

Accessories for D-SERIES relays include:

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

**General ordering data**

Type	SLD F 4CO	Version
Order No.	<a href="#">7760056227</a>	D-SERIES DRL, Relay bases, Number of contacts: 4 CO contact,
GTIN (EAN)	6944169634031	Continuous current: 10 A, Screw connection
Qty.	10 pc(s).	

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**Accessories**

**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 the following manufacturers:

- Siemens
- Télémecanique
- ABB
- Beckhoff
- Lumberg
- Tags for all-purpose usage; self-adhesive or clip-on tags, depending on the type

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.

Please note that these markers are not intended for printing with the SpeedMarking laser.

**General ordering data**

Type	ESG 6/17 K MC NE WS	Version
Order No.	<a href="#">1880120000</a>	ESG, Device markers x 17 mm, PA 66, Colour: white, Self-adhesive
GTIN (EAN)	4032248478804	
Qty.	200 pc(s).	
Type	ESG 6/17 K MC NE GE	Version
Order No.	<a href="#">1880110000</a>	ESG, Device markers x 17 mm, PA 66, Colour: yellow, Self-adhesive
GTIN (EAN)	4032248478798	
Qty.	200 pc(s).	

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**General ordering data**

Type	ESG 6/15 K MC NE WS	Version
Order No.	<a href="#">1880100000</a>	ESG, Device markers x 15 mm, PA 66, Colour: white, Self-adhesive
GTIN (EAN)	4032248478781	
Qty.	200 pc(s).	
Type	ESG 6/15 K MC NE GE	Version
Order No.	<a href="#">1880130000</a>	ESG, Device markers x 15 mm, PA 66, Colour: yellow, Self-adhesive
GTIN (EAN)	4032248478910	
Qty.	200 pc(s).	

**Data sheet**

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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	SLD CLIP 4CO M	Version
Order No.	<a href="#">7760056235</a>	D-SERIES, Retaining clip
GTIN (EAN)	6944169634055	
Qty.	10 pc(s).	

**Base**



Accessories for D-SERIES relays include:

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

**General ordering data**

Type	SLD F 4CO	Version
Order No.	<a href="#">7760056227</a>	D-SERIES DRL, Relay bases, Number of contacts: 4 CO contact,
GTIN (EAN)	6944169634031	Continuous current: 10 A, Screw connection
Qty.	10 pc(s).	



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**Accessories****Protective modules**

Accessories for D-SERIES relays include:

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

**General ordering data**

Type	RIM 5 6/230VDC	Version
Order No.	<a href="#">1174650000</a>	D-SERIES, Free-wheeling diode, Rated control voltage: 6...230 V DC,
GTIN (EAN)	4032248971305	Plug-in connection
Qty.	10 pc(s).	

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**General ordering data**

Type	ESG 9/11 K MC NE WS	Version
Order No.	<a href="#">1857440000</a>	ESG, Device markers x 11 mm, PA 66, Colour: white, Self-adhesive
GTIN (EAN)	4032248402731	
Qty.	200 pc(s).	

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**Accessories**

**Blank, adhesive backing**



The new SwitchMark markers have been designed for identifying rotary selector switches from ABB (SM 19/42 K MC) as well as control and signalling devices from Siemens (SM 18/9.5 K MC).

Suitable for:  
 SM 18/9.5 K MC: Siemens, type 3SB  
 SM 19/42 K MC: ABB, tag carrier type ONFB72

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**General ordering data**

Type	SM 18/9.5 K MC NE GR	Version
Order No.	<a href="#">1248610000</a>	SwitchMark, Device markers, 9.5 x 18 mm, grey
GTIN (EAN)	4050118038675	
Qty.	200 pc(s).	
Type	SM 18/9.5 K MC NE GE	Version
Order No.	<a href="#">1248590000</a>	SwitchMark, Device markers, 9.5 x 18 mm, Siemens 3 SB, yellow
GTIN (EAN)	4050118038958	
Qty.	200 pc(s).	
Type	SM 18/9.5 K MC NE WS	Version
Order No.	<a href="#">1248580000</a>	SwitchMark, Device markers, 9.5 x 18 mm, white
GTIN (EAN)	4050118038965	
Qty.	200 pc(s).	

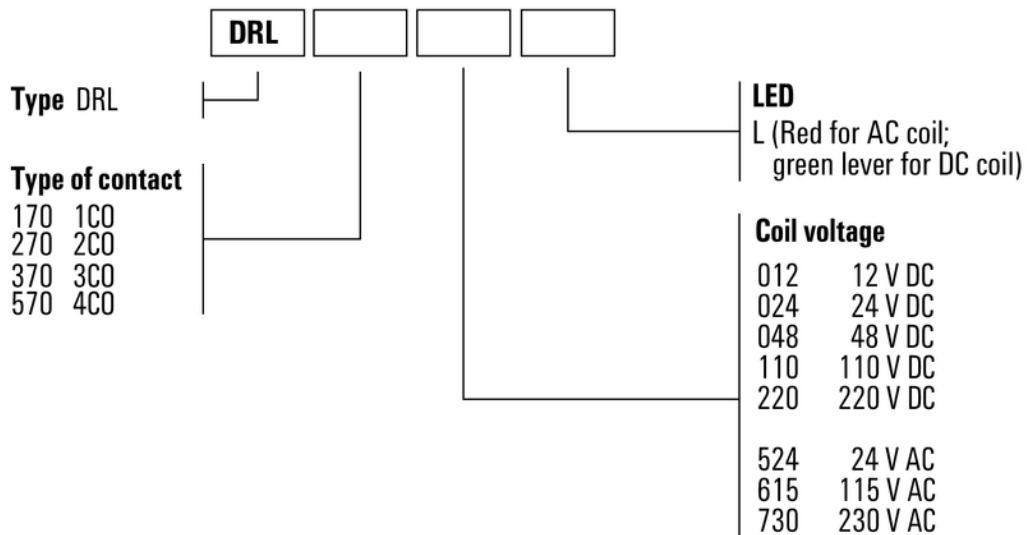
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**Drawings**

**Miscellaneous**



Type codes