

**D-SERIES DRI
SDI 1CO ECO**

Weidmüller Interface GmbH & Co. KG
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 Germany
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 www.weidmueller.com

Product image


Accessories for D-SERIES relays include:

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

General ordering data

Type	SDI 1CO ECO
Order No.	7760056346
Version	D-SERIES DRI, Relay bases, Number of contacts: 1 CO contact, Continuous current: 12 A, Screw connection
GTIN (EAN)	6944 169739934
Qty.	10 pc(s).

Creation date May 1, 2020 2:07:38 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	15.8 mm	Width (inches)	0.622 inch
Height	73.3 mm	Height (inches)	2.886 inch
Depth	29.2 mm	Depth (inches)	1.15 inch
Net weight	20 g		

Temperatures

Humidity	35...85 % rel. humidity, no condensation	Operating temperature, max.	70 °C
Operating temperature, min.	-40 °C	Storage temperature, max.	85 °C
Storage temperature, min.	-40 °C	Operating temperature	-40 °C...70 °C
Storage temperature	-40 °C...85 °C		

Environmental Product Compliance

REACH SVHC Lead 7439-92-1

Output

Rated switching voltage	250 V AC	Max. switching voltage, AC	250 V
Continuous current	12 A		

Contact data

Contact type 1 CO contact

General data

Version	flat design	Rail	TS 35
Colour	black	UL 94 flammability rating	V-0

Insulation coordination

Rated voltage	250 V	Surge voltage category	III
Pollution severity	2	Insulating material group	IIIb
Protection degree	IP10	Dielectric strength, Input/Output	4 kV _{eff} / 1 Min.
Creepage and clearance distance input – output	≥ 3 mm	Impulse withstand voltage	4.8 kV (1.2/50 µs)

Further details of approvals / standards

Standards EN 60664-1:2007,
 EN 61000-6-2:2005,
 EN 61000-6-4:2007 +
 A1:2011, UL 508

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Technical data

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 ²	Clamping range, min.	0.5 mm ²
Clamping range, max.	2.5 mm ²	Wire cross-section, solid, min.	0.5 mm ²
Wire cross-section, solid, max.	2.5 mm ²	Wire connection cross-section, finely stranded, min.	0.5 mm ²
Wire connection cross section, finely stranded, max.	2.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	1.5 mm ²	Conductor cross-section, flexible, AEH (DIN 46228-1), min.	0.5 mm ²
Conductor cross-section, flexible, AEH (DIN 46228-1), max.	1.5 mm ²	Wire connection	M3 ring cable lug (insulated) for input connections, M3.5 ring cable lug (insulated) for output connections
Blade size	size PH1		

Classifications

ETIM 6.0	EC001456	ETIM 7.0	EC001456
eClass 9.0	27-37-16-03	eClass 9.1	27-37-16-03
eClass 10.0	27-37-16-03		

Product information

Product information For this socket, a cross connection is not available.
 For this socket, markers are not available.

Approvals

Approvals



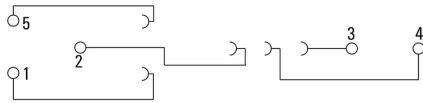
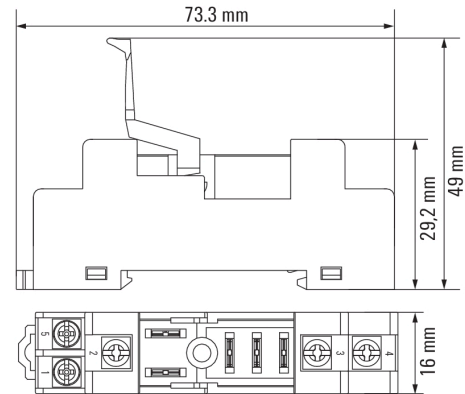
ROHS Conform

Downloads

Approval/Certificate/Document of Conformity	EU Konformitätserklärung / EU Declaration of Conformity
Engineering Data	EPLAN, WSCAD
Engineering Data	STEP

Data sheet**D-SERIES DRI
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Drawings**Wiring diagram****Dimensional drawing**

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Mating connector (fully pluggable)
With LED and test button


Relay from the D-SERIES DRI

- 1 or 2 CO contacts
- Robust industrial plug-in connections
- Optional: latching / spring return operable test button with coloured control voltage identification (AC coil: red / DC coil: blue)
- Optional: Mechanical switch position indication (for version with test button)
- Optional: Bright status LED (AC coil: red / DC coil: green)
- Optional: free-wheeling diode

General ordering data

Type	DRI314615LT	Version
Order No.	7760056319	D-SERIES DRI, Relay, Number of contacts: 1 CO contact with test button AgSnO, Rated control voltage: 115 V AC, Continuous current:
GTIN (EAN)	6944169740244	10 A, Flat blade connections (4.7 mm x 0.5 mm)
Qty.	20 pc(s).	
Type	DRI314524LT	Version
Order No.	7760056318	D-SERIES DRI, Relay, Number of contacts: 1 CO contact with test button AgSnO, Rated control voltage: 24 V AC, Continuous current: 10
GTIN (EAN)	6944169740237	A, Flat blade connections (4.7 mm x 0.5 mm)
Qty.	20 pc(s).	
Type	DRI314730LT	Version
Order No.	7760056320	D-SERIES DRI, Relay, Number of contacts: 1 CO contact with test button AgSnO, Rated control voltage: 230 V AC, Continuous current:
GTIN (EAN)	6944169740251	10 A, Flat blade connections (4.7 mm x 0.5 mm)
Qty.	20 pc(s).	

With LED


Relay from the D-SERIES DRI

- 1 or 2 CO contacts
- Robust industrial plug-in connections
- Optional: latching / spring return operable test button with coloured control voltage identification (AC coil: red / DC coil: blue)
- Optional: Mechanical switch position indication (for version with test button)
- Optional: Bright status LED (AC coil: red / DC coil: green)
- Optional: free-wheeling diode

General ordering data

Type	DRI314110L	Version
Order No.	7760056306	D-SERIES DRI, Relay, Number of contacts: 1 CO contact AgSnO,
GTIN (EAN)	6944169740114	Rated control voltage: 110 V DC, Continuous current: 10 A, Flat blade
Qty.	20 pc(s).	connections (4.7 mm x 0.5 mm)
Type	DRI314024L	Version
Order No.	7760056304	D-SERIES DRI, Relay, Number of contacts: 1 CO contact AgSnO,
GTIN (EAN)	6944169740091	Rated control voltage: 24 V DC, Continuous current: 10 A, Flat blade
Qty.	20 pc(s).	connections (4.7 mm x 0.5 mm)

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Mating connector (fully pluggable)

Type	DRI314524L	Version
Order No.	7760056307	D-SERIES DRI, Relay, Number of contacts: 1 CO contact AgSnO,
GTIN (EAN)	6944169740121	Rated control voltage: 24 V AC, Continuous current: 10 A, Flat blade connections (4.7 mm x 0.5 mm)
Qty.	20 pc(s).	
Type	DRI314012L	Version
Order No.	7760056303	D-SERIES DRI, Relay, Number of contacts: 1 CO contact AgSnO,
GTIN (EAN)	6944169740084	Rated control voltage: 12 V DC, Continuous current: 10 A, Flat blade connections (4.7 mm x 0.5 mm)
Qty.	20 pc(s).	
Type	DRI314730L	Version
Order No.	7760056309	D-SERIES DRI, Relay, Number of contacts: 1 CO contact AgSnO,
GTIN (EAN)	6944169740145	Rated control voltage: 230 V AC, Continuous current: 10 A, Flat blade connections (4.7 mm x 0.5 mm)
Qty.	20 pc(s).	
Type	DRI314048L	Version
Order No.	7760056305	D-SERIES DRI, Relay, Number of contacts: 1 CO contact AgSnO,
GTIN (EAN)	6944169740107	Rated control voltage: 48 V DC, Continuous current: 10 A, Flat blade connections (4.7 mm x 0.5 mm)
Qty.	20 pc(s).	
Type	DRI314615L	Version
Order No.	7760056308	D-SERIES DRI, Relay, Number of contacts: 1 CO contact AgSnO,
GTIN (EAN)	6944169740138	Rated control voltage: 115 V AC, Continuous current: 10 A, Flat blade connections (4.7 mm x 0.5 mm)
Qty.	20 pc(s).	

With LED, free-wheel diode and test button**Relay from the D-SERIES DRI**

- 1 or 2 CO contacts
- Robust industrial plug-in connections
- Optional: latching / spring return operable test button with coloured control voltage identification (AC coil: red / DC coil: blue)
- Optional: Mechanical switch position indication (for version with test button)
- Optional: Bright status LED (AC coil: red / DC coil: green)
- Optional: free-wheeling diode

General ordering data

Type	DRI314012LTD	Version
Order No.	7760056314	D-SERIES DRI, Relay, Number of contacts: 1 CO contact with test button AgSnO, Rated control voltage: 12 V DC, Continuous current: 10 A, Flat blade connections (4.7 mm x 0.5 mm)
GTIN (EAN)	6944169740190	
Qty.	20 pc(s).	
Type	DRI314024LTD	Version
Order No.	7760056315	D-SERIES DRI, Relay, Number of contacts: 1 CO contact with test button AgSnO, Rated control voltage: 24 V DC, Continuous current: 10 A, Flat blade connections (4.7 mm x 0.5 mm)
GTIN (EAN)	6944169740206	
Qty.	20 pc(s).	
Type	DRI314110LTD	Version
Order No.	7760056317	D-SERIES DRI, Relay, Number of contacts: 1 CO contact with test button AgSnO, Rated control voltage: 110 V DC, Continuous current: 10 A, Flat blade connections (4.7 mm x 0.5 mm)
GTIN (EAN)	6944169740220	
Qty.	20 pc(s).	
Type	DRI314048LTD	Version
Order No.	7760056316	D-SERIES DRI, Relay, Number of contacts: 1 CO contact with test button AgSnO, Rated control voltage: 48 V DC, Continuous current: 10 A, Flat blade connections (4.7 mm x 0.5 mm)
GTIN (EAN)	6944169740213	
Qty.	20 pc(s).	

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Mating connector (fully pluggable)

Standard relay



Relay from the D-SERIES DRI

- 1 or 2 CO contacts
- Robust industrial plug-in connections
- Optional: latching / spring return operable test button with coloured control voltage identification (AC coil: red / DC coil: blue)
- Optional: Mechanical switch position indication (for version with test button)
- Optional: Bright status LED (AC coil: red / DC coil: green)
- Optional: free-wheeling diode

General ordering data

Type	DRI314730	Version
Order No.	7760056302	D-SERIES DRI, Relay, Number of contacts: 1 CO contact AgSnO,
GTIN (EAN)	6944169740077	Rated control voltage: 230 V AC, Continuous current: 10 A, Flat blade
Qty.	20 pc(s).	connections (4.7 mm x 0.5 mm)
Type	DRI314024	Version
Order No.	7760056297	D-SERIES DRI, Relay, Number of contacts: 1 CO contact AgSnO,
GTIN (EAN)	6944169740022	Rated control voltage: 24 V DC, Continuous current: 10 A, Flat blade
Qty.	20 pc(s).	connections (4.7 mm x 0.5 mm)
Type	DRI314012	Version
Order No.	7760056296	D-SERIES DRI, Relay, Number of contacts: 1 CO contact AgSnO,
GTIN (EAN)	6944169739774	Rated control voltage: 12 V DC, Continuous current: 10 A, Flat blade
Qty.	20 pc(s).	connections (4.7 mm x 0.5 mm)
Type	DRI314110	Version
Order No.	7760056299	D-SERIES DRI, Relay, Number of contacts: 1 CO contact AgSnO,
GTIN (EAN)	6944169740046	Rated control voltage: 110 V DC, Continuous current: 10 A, Flat blade
Qty.	20 pc(s).	connections (4.7 mm x 0.5 mm)
Type	DRI314524	Version
Order No.	7760056300	D-SERIES DRI, Relay, Number of contacts: 1 CO contact AgSnO,
GTIN (EAN)	6944169740053	Rated control voltage: 24 V AC, Continuous current: 10 A, Flat blade
Qty.	20 pc(s).	connections (4.7 mm x 0.5 mm)
Type	DRI314615	Version
Order No.	7760056301	D-SERIES DRI, Relay, Number of contacts: 1 CO contact AgSnO,
GTIN (EAN)	6944169740060	Rated control voltage: 115 V AC, Continuous current: 10 A, Flat blade
Qty.	20 pc(s).	connections (4.7 mm x 0.5 mm)
Type	DRI314048	Version
Order No.	7760056298	D-SERIES DRI, Relay, Number of contacts: 1 CO contact AgSnO,
GTIN (EAN)	6944169740039	Rated control voltage: 48 V DC, Continuous current: 10 A, Flat blade
Qty.	20 pc(s).	connections (4.7 mm x 0.5 mm)

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Mating connector (fully pluggable)

With LED and free-wheel diode



Relay from the D-SERIES DRI

- 1 or 2 CO contacts
- Robust industrial plug-in connections
- Optional: latching / spring return operable test button with coloured control voltage identification (AC coil: red / DC coil: blue)
- Optional: Mechanical switch position indication (for version with test button)
- Optional: Bright status LED (AC coil: red / DC coil: green)
- Optional: free-wheeling diode

General ordering data

Type	DRI314024LD	Version
Order No.	7760056311	D-SERIES DRI, Relay, Number of contacts: 1 CO contact AgSnO,
GTIN (EAN)	6944169740169	Rated control voltage: 24 V DC, Continuous current: 10 A, Flat blade connections (4.7 mm x 0.5 mm)
Qty.	20 pc(s).	
Type	DRI314110LD	Version
Order No.	7760056313	D-SERIES DRI, Relay, Number of contacts: 1 CO contact AgSnO,
GTIN (EAN)	6944169740183	Rated control voltage: 110 V DC, Continuous current: 10 A, Flat blade connections (4.7 mm x 0.5 mm)
Qty.	20 pc(s).	
Type	DRI314048LD	Version
Order No.	7760056312	D-SERIES DRI, Relay, Number of contacts: 1 CO contact AgSnO,
GTIN (EAN)	6944169740176	Rated control voltage: 48 V DC, Continuous current: 10 A, Flat blade connections (4.7 mm x 0.5 mm)
Qty.	20 pc(s).	
Type	DRI314012LD	Version
Order No.	7760056310	D-SERIES DRI, Relay, Number of contacts: 1 CO contact AgSnO,
GTIN (EAN)	6944169740152	Rated control voltage: 12 V DC, Continuous current: 10 A, Flat blade connections (4.7 mm x 0.5 mm)
Qty.	20 pc(s).	

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Accessories

Crosshead screwdriver, Phillips

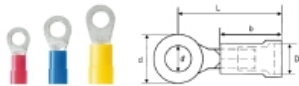


VDE insulated screwdriver sets, for working on live parts up to 1000 V AC and 1500 V DC, DIN EN 60900. IEC 900. Each piece is "GS" safety tested. Blade made from fully hardened, high-alloy chromium-vanadium-molybdenum steel, gun-metal finish.

General ordering data

Type	SDIK PH1 SL	Version
Order No.	1274710000	Mounting tool, Blade length: 80 mm
GTIN (EAN)	4050118073249	
Qty.	1 pc(s).	

Ring cable lugs



Insulated ring-cable connector made from PVC

- Commercially available designs
- Not soldered
- With conical entry funnel

General ordering data

Type	LIR 1,5M3 V	Version
Order No.	9200070000	cable lug, terminal end, Insulated cable connector, 0,5 mm ² - 1,5 mm ²
GTIN (EAN)	4032248409839	
Qty.	100 pc(s).	
Type	LIR 2,5M3 V	Version
Order No.	9200150000	cable lug, terminal end, Insulated cable connector, 1,5 mm ² - 2,5 mm ²
GTIN (EAN)	4032248409778	
Qty.	100 pc(s).	
Type	LIR 1,5M3,5 V	Version
Order No.	9200080000	cable lug, terminal end, Insulated cable connector, 0,5 mm ² - 1,5 mm ²
GTIN (EAN)	4032248409846	
Qty.	100 pc(s).	
Type	LIR 2,5M3,5 V	Version
Order No.	9200160000	cable lug, terminal end, Insulated cable connector, 1,5 mm ² - 2,5 mm ²
GTIN (EAN)	4032248409785	
Qty.	100 pc(s).	

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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	Version
Order No.	9008480000	Screwdriver, Blade width (B): 4.5 mm, Blade length: 80 mm
GTIN (EAN)	4032248056477	
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.	9008570000	Screwdriver, Blade length: 80 mm
GTIN (EAN)	4032248056569	
Qty.	1 pc(s).	

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Accessories

Crimp cable lugs



Insulated cable connector in PVC or PC/PA

- Conventional designs
- Not soldered
- With conical entry funnel, except for joint connector

General ordering data

Type	KQI-M3,5/-1	Version
Order No.	1492180000	cable lug, terminal end, Insulated cable connector, 0.5 mm ² - 1 mm ²
GTIN (EAN)	4050118302080	
Qty.	100 pc(s).	
Type	KQI-M3,5/-2,5	Version
Order No.	1492270000	cable lug, terminal end, Insulated cable connector, 1.5 mm ² - 2.5 mm ²
GTIN (EAN)	4050118302134	
Qty.	100 pc(s).	
Type	KQI-M3/-1	Version
Order No.	1492170000	cable lug, terminal end, Insulated cable connector, 0.5 mm ² - 1 mm ²
GTIN (EAN)	4050118302035	
Qty.	100 pc(s).	
Type	KQI-M3/-2,5	Version
Order No.	1492250000	cable lug, terminal end, Insulated cable connector, 1.5 mm ² - 2.5 mm ²
GTIN (EAN)	4050118302073	
Qty.	100 pc(s).	