

## SDI 2CO ECO

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



www.weidmueller.com

## Product image



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

Version	D-SERIES DRI, Relay socket, Number of contacts: 2, CO contact, Continuous current: 8 A, Screw connection
Order No.	<a href="#">7760056347</a>
Type	SDI 2CO ECO
GTIN (EAN)	6944 16973994 1
Qty.	10 pc(s).

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Catalogue status 11.02.2022 / We reserve the right to make technical changes.

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## Technical data

## Dimensions and weights

Depth	29.2 mm	Depth (inches)	1.15 inch
Height	73.3 mm	Height (inches)	2.886 inch
Width	15.8 mm	Width (inches)	0.622 inch
Net weight	23 g		

## Temperatures

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

## Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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## Load side

Rated switching voltage	250 V AC	Continuous current	8 A
Max. switching voltage, AC	250 V	Contact type	2 CO contact

## General data

Version	flat design		
Rail	TS 35		
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	

## 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 kV <sub>eff</sub> / 1 Min.
Dielectric strength of neighbouring contacts	2.5 kV <sub>eff</sub> / 1 Min.	Impulse withstand voltage	4.8 kV (1.2/50 μs)
Protection degree	IP10		

## 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 <sup>2</sup>	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.	1.5 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.	1.5 mm <sup>2</sup>	Wire connection	M3 ring cable lug (insulated)
Blade size	size PH1		

## Classifications

ETIM 6.0	EC001456	ETIM 7.0	EC001456
ETIM 8.0	EC001456	ECLASS 9.0	27-37-16-03
ECLASS 9.1	27-37-16-03	ECLASS 10.0	27-37-16-03
ECLASS 11.0	27-37-16-03		

## Important note

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

## Approvals

Approvals



ROHS	Conform
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## Downloads

Approval/Certificate/Document of Conformity	<a href="#">EU Konformitätserklärung / EU Declaration of Conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Engineering Data	<a href="#">EPLAN, WSCAD</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

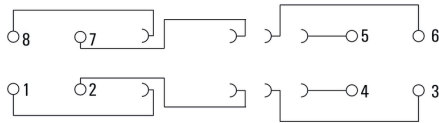
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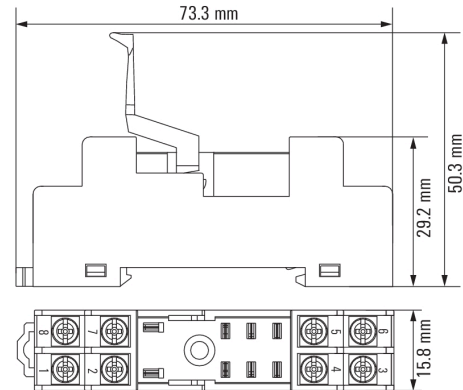
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**Drawings**

**Wiring diagram**



**Dimensional drawing**



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## Mating connector (fully pluggable)

## With LED and test button



Individual relays within the D-SERIES DRI

- 2 CO contact
- AC coils
- With integrated status LED and test button

## General ordering data

Type	DRI424524LT	Version
Order No.	<a href="#">7760056343</a>	D-SERIES DRI, Relay, Number of contacts: 2, CO contact AgSnO,
GTIN (EAN)	6944169739903	Rated control voltage: 24 V AC, Continuous current: 5 A, Flat blade
Qty.	20 pc(s).	connections (2.5 mm x 0.5 mm), Test button available: Yes
Type	DRI424615LT	Version
Order No.	<a href="#">7760056344</a>	D-SERIES DRI, Relay, Number of contacts: 2, CO contact AgSnO,
GTIN (EAN)	6944169739910	Rated control voltage: 115 V AC, Continuous current: 5 A, Flat blade
Qty.	20 pc(s).	connections (2.5 mm x 0.5 mm), Test button available: Yes
Type	DRI424730LT	Version
Order No.	<a href="#">7760056345</a>	D-SERIES DRI, Relay, Number of contacts: 2, CO contact AgSnO,
GTIN (EAN)	6944169739927	Rated control voltage: 230 V AC, Continuous current: 5 A, Flat blade
Qty.	20 pc(s).	connections (2.5 mm x 0.5 mm), Test button available: Yes

## With LED and free-wheel diode



Individual relays within the D-SERIES DRI

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

## General ordering data

Type	DRI424024LD	Version
Order No.	<a href="#">7760056336</a>	D-SERIES DRI, Relay, Number of contacts: 2, CO contact AgSnO,
GTIN (EAN)	6944169739835	Rated control voltage: 24 V DC, Continuous current: 5 A, Flat blade
Qty.	20 pc(s).	connections (2.5 mm x 0.5 mm), Test button available: No
Type	DRI424048LD	Version
Order No.	<a href="#">7760056337</a>	D-SERIES DRI, Relay, Number of contacts: 2, CO contact AgSnO,
GTIN (EAN)	6944169739842	Rated control voltage: 48 V DC, Continuous current: 5 A, Flat blade
Qty.	20 pc(s).	connections (2.5 mm x 0.5 mm), Test button available: No
Type	DRI424012LD	Version
Order No.	<a href="#">7760056335</a>	D-SERIES DRI, Relay, Number of contacts: 2, CO contact AgSnO,
GTIN (EAN)	6944169739828	Rated control voltage: 12 V DC, Continuous current: 5 A, Flat blade
Qty.	20 pc(s).	connections (2.5 mm x 0.5 mm), Test button available: No

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## Mating connector (fully pluggable)

Type	DRI424110LD	Version
Order No.	<a href="#">7760056338</a>	D-SERIES DRI, Relay, Number of contacts: 2, CO contact AgSnO,
GTIN (EAN)	6944169739859	Rated control voltage: 110 V DC, Continuous current: 5 A, Flat blade connections (2.5 mm x 0.5 mm), Test button available: No
Qty.	20 pc(s).	

## Standard relay



Individual relays within the D-SERIES DRI

- 2 CO contact
- Optional AC or DC coils

## General ordering data

Type	DRI424012	Version
Order No.	<a href="#">7760056321</a>	D-SERIES DRI, Relay, Number of contacts: 2, CO contact AgSnO,
GTIN (EAN)	6944169740268	Rated control voltage: 12 V DC, Continuous current: 5 A, Flat blade connections (2.5 mm x 0.5 mm), Test button available: No
Qty.	20 pc(s).	
Type	DRI424110	Version
Order No.	<a href="#">7760056324</a>	D-SERIES DRI, Relay, Number of contacts: 2, CO contact AgSnO,
GTIN (EAN)	6944169740299	Rated control voltage: 110 V DC, Continuous current: 5 A, Flat blade connections (2.5 mm x 0.5 mm), Test button available: No
Qty.	20 pc(s).	
Type	DRI424048	Version
Order No.	<a href="#">7760056323</a>	D-SERIES DRI, Relay, Number of contacts: 2, CO contact AgSnO,
GTIN (EAN)	6944169740282	Rated control voltage: 48 V DC, Continuous current: 5 A, Flat blade connections (2.5 mm x 0.5 mm), Test button available: No
Qty.	20 pc(s).	
Type	DRI424548	Version
Order No.	<a href="#">2781190000</a>	D-SERIES DRI, Relay, Number of contacts: 2, CO contact AgSnO,
GTIN (EAN)	4064675054795	Rated control voltage: 48 V AC, Continuous current: 5 A, Flat blade connections (2.5 mm x 0.5 mm), Test button available: No
Qty.	20 pc(s).	
Type	DRI424024	Version
Order No.	<a href="#">7760056322</a>	D-SERIES DRI, Relay, Number of contacts: 2, CO contact AgSnO,
GTIN (EAN)	6944169740275	Rated control voltage: 24 V DC, Continuous current: 5 A, Flat blade connections (2.5 mm x 0.5 mm), Test button available: No
Qty.	20 pc(s).	
Type	DRI424524	Version
Order No.	<a href="#">7760056325</a>	D-SERIES DRI, Relay, Number of contacts: 2, CO contact AgSnO,
GTIN (EAN)	6944169740305	Rated control voltage: 24 V AC, Continuous current: 5 A, Flat blade connections (2.5 mm x 0.5 mm), Test button available: No
Qty.	20 pc(s).	
Type	DRI424730	Version
Order No.	<a href="#">7760056327</a>	D-SERIES DRI, Relay, Number of contacts: 2, CO contact AgSnO,
GTIN (EAN)	6944169740329	Rated control voltage: 230 V AC, Continuous current: 5 A, Flat blade connections (2.5 mm x 0.5 mm), Test button available: No
Qty.	20 pc(s).	
Type	DRI424615	Version
Order No.	<a href="#">7760056326</a>	D-SERIES DRI, Relay, Number of contacts: 2, CO contact AgSnO,
GTIN (EAN)	6944169740312	Rated control voltage: 115 V AC, Continuous current: 5 A, Flat blade connections (2.5 mm x 0.5 mm), Test button available: No
Qty.	20 pc(s).	

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## Mating connector (fully pluggable)

## With LED



Individual relays within the D-SERIES DRI

- 2 CO contact
- AC coils
- With integrated status LED

## General ordering data

Type	DRI424524L	Version
Order No.	<a href="#">7760056332</a>	D-SERIES DRI, Relay, Number of contacts: 2, CO contact AgSnO,
GTIN (EAN)	6944169739798	Rated control voltage: 24 V AC, Continuous current: 5 A, Flat blade
Qty.	20 pc(s).	connections (2.5 mm x 0.5 mm), Test button available: No
Type	DRI424012L	Version
Order No.	<a href="#">7760056328</a>	D-SERIES DRI, Relay, Number of contacts: 2, CO contact AgSnO,
GTIN (EAN)	6944169740336	Rated control voltage: 12 V DC, Continuous current: 5 A, Flat blade
Qty.	20 pc(s).	connections (2.5 mm x 0.5 mm), Test button available: No
Type	DRI424024L	Version
Order No.	<a href="#">7760056329</a>	D-SERIES DRI, Relay, Number of contacts: 2, CO contact AgSnO,
GTIN (EAN)	6944169740343	Rated control voltage: 24 V DC, Continuous current: 5 A, Flat blade
Qty.	20 pc(s).	connections (2.5 mm x 0.5 mm), Test button available: No
Type	DRI424110L	Version
Order No.	<a href="#">7760056331</a>	D-SERIES DRI, Relay, Number of contacts: 2, CO contact AgSnO,
GTIN (EAN)	6944169739781	Rated control voltage: 110 V DC, Continuous current: 5 A, Flat blade
Qty.	20 pc(s).	connections (2.5 mm x 0.5 mm), Test button available: No
Type	DRI424048L	Version
Order No.	<a href="#">7760056330</a>	D-SERIES DRI, Relay, Number of contacts: 2, CO contact AgSnO,
GTIN (EAN)	6944169740350	Rated control voltage: 48 V DC, Continuous current: 5 A, Flat blade
Qty.	20 pc(s).	connections (2.5 mm x 0.5 mm), Test button available: No
Type	DRI424615L	Version
Order No.	<a href="#">7760056333</a>	D-SERIES DRI, Relay, Number of contacts: 2, CO contact AgSnO,
GTIN (EAN)	6944169739804	Rated control voltage: 115 V AC, Continuous current: 5 A, Flat blade
Qty.	20 pc(s).	connections (2.5 mm x 0.5 mm), Test button available: No
Type	DRI424730L	Version
Order No.	<a href="#">7760056334</a>	D-SERIES DRI, Relay, Number of contacts: 2, CO contact AgSnO,
GTIN (EAN)	6944169739811	Rated control voltage: 230 V AC, Continuous current: 5 A, Flat blade
Qty.	20 pc(s).	connections (2.5 mm x 0.5 mm), Test button available: No

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## Mating connector (fully pluggable)

### With LED, free-wheel diode and test button



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

Type	DRI424110LTD	Version
Order No.	<a href="#">7760056342</a>	D-SERIES DRI, Relay, Number of contacts: 2, CO contact AgSnO,
GTIN (EAN)	6944169739897	Rated control voltage: 110 V DC, Continuous current: 5 A, Flat blade
Qty.	20 pc(s).	connections (2.5 mm x 0.5 mm), Test button available: Yes
Type	DRI424024LTD	Version
Order No.	<a href="#">7760056340</a>	D-SERIES DRI, Relay, Number of contacts: 2, CO contact AgSnO,
GTIN (EAN)	6944169739873	Rated control voltage: 24 V DC, Continuous current: 5 A, Flat blade
Qty.	20 pc(s).	connections (2.5 mm x 0.5 mm), Test button available: Yes
Type	DRI424048LTD	Version
Order No.	<a href="#">7760056341</a>	D-SERIES DRI, Relay, Number of contacts: 2, CO contact AgSnO,
GTIN (EAN)	6944169739880	Rated control voltage: 48 V DC, Continuous current: 5 A, Flat blade
Qty.	20 pc(s).	connections (2.5 mm x 0.5 mm), Test button available: Yes
Type	DRI424012LTD	Version
Order No.	<a href="#">7760056339</a>	D-SERIES DRI, Relay, Number of contacts: 2, CO contact AgSnO,
GTIN (EAN)	6944169739866	Rated control voltage: 12 V DC, Continuous current: 5 A, Flat blade
Qty.	20 pc(s).	connections (2.5 mm x 0.5 mm), Test button available: Yes



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# Accessories

## Ring cable lugs



### Insulated ring-cable connector made from PVC

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

### General ordering data

Type	LIR 2,5M3 V	Version
Order No.	<a href="#">9200150000</a>	cable lug, terminal end, Insulated cable connector, 2.5 mm <sup>2</sup> , 1.5 mm <sup>2</sup> -
GTIN (EAN)	4032248409778	2.5 mm <sup>2</sup>
Qty.	100 pc(s).	

Type	LIR 1,5M3 V	Version
Order No.	<a href="#">9200070000</a>	cable lug, terminal end, Insulated cable connector, 1.5 mm <sup>2</sup> , 0.5 mm <sup>2</sup> -
GTIN (EAN)	4032248409839	1.5 mm <sup>2</sup>
Qty.	100 pc(s).	

## 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/-1	Version
Order No.	<a href="#">1492170000</a>	cable lug, terminal end, Insulated cable connector, 1 mm <sup>2</sup> , 0.5 mm <sup>2</sup> - 1
GTIN (EAN)	4050118302035	mm <sup>2</sup>
Qty.	100 pc(s).	

Type	KQI-M3/-2,5	Version
Order No.	<a href="#">1492250000</a>	cable lug, terminal end, Insulated cable connector, 2.5 mm <sup>2</sup> , 1.5 mm <sup>2</sup> -
GTIN (EAN)	4050118302073	2.5 mm <sup>2</sup>
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 X 80	Version
Order No.	<a href="#">2749410000</a>	Screwdriver, Blade length: 80 mm
GTIN (EAN)	4050118895636	
Qty.	1 pc(s).	

**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>	Mounting tool, Blade length: 80 mm
GTIN (EAN)	4050118896398	
Qty.	1 pc(s).	

**Data sheet****SDI 2CO ECO**

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**Accessories****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 length: 80 mm
GTIN (EAN)	4050118897098	
Qty.	1 pc(s).	