

SDI 1CO 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: 1, CO contact, Continuous current: 12 A, Screw connection
Order No.	7760056346
Type	SDI 1CO ECO
GTIN (EAN)	6944 169739934
Qty.	10 pc(s).

Creation date March 12, 2022 11:21:43 AM CET

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	20 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	12 A
Max. switching voltage, AC	250 V	Contact type	1 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 _{eff} / 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 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
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	EU Konformitätserklärung / EU Declaration of Conformity
Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD
Catalogues	Catalogues in PDF-format

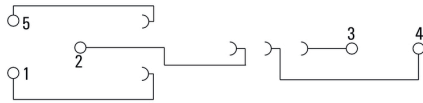
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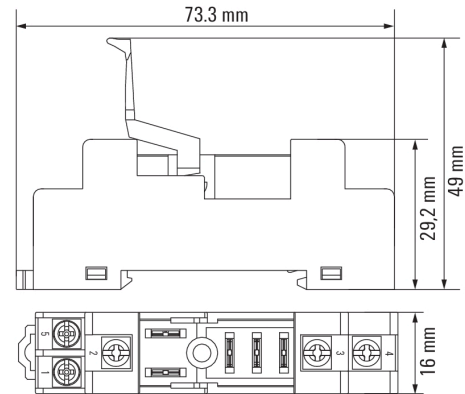
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Drawings

Wiring diagram



Dimensional drawing



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Mating connector (fully pluggable)

With LED, free-wheel diode and test button



Individual relays within the D-SERIES DRI

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

General ordering data

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

With LED and free-wheel diode



Individual relays within the D-SERIES DRI

- 1 CO contact
- DC coils
- With integrated status LED and 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
Qty.	20 pc(s).	connections (4.7 mm x 0.5 mm), Test button available: No
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
Qty.	20 pc(s).	connections (4.7 mm x 0.5 mm), Test button available: No

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Mating connector (fully pluggable)

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
Qty.	20 pc(s).	connections (4.7 mm x 0.5 mm), Test button available: No
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
Qty.	20 pc(s).	connections (4.7 mm x 0.5 mm), Test button available: No

With LED



Individual relays within the D-SERIES DRI

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

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), Test button available: No
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
Qty.	20 pc(s).	connections (4.7 mm x 0.5 mm), Test button available: No
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
Qty.	20 pc(s).	connections (4.7 mm x 0.5 mm), Test button available: No
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), Test button available: No
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
Qty.	20 pc(s).	connections (4.7 mm x 0.5 mm), Test button available: No
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
Qty.	20 pc(s).	connections (4.7 mm x 0.5 mm), Test button available: No
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
Qty.	20 pc(s).	connections (4.7 mm x 0.5 mm), Test button available: No

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Mating connector (fully pluggable)

Standard relay



Individual relays within the D-SERIES DRI

- 1 CO contact
- Optional AC or DC coils

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), Test button available: No
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), Test button available: No
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), Test button available: No
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), Test button available: No
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), Test button available: No
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), Test button available: No
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), Test button available: No

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Mating connector (fully pluggable)

With LED and test button



Individual relays within the D-SERIES DRI

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

General ordering data

Type	DRI314615LT	Version
Order No.	7760056319	D-SERIES DRI, Relay, Number of contacts: 1, CO contact AgSnO,
GTIN (EAN)	6944169740244	Rated control voltage: 115 V AC, Continuous current: 10 A, Flat blade
Qty.	20 pc(s).	connections (4.7 mm x 0.5 mm), Test button available: Yes
Type	DRI314730LT	Version
Order No.	7760056320	D-SERIES DRI, Relay, Number of contacts: 1, CO contact AgSnO,
GTIN (EAN)	6944169740251	Rated control voltage: 230 V AC, Continuous current: 10 A, Flat blade
Qty.	20 pc(s).	connections (4.7 mm x 0.5 mm), Test button available: Yes
Type	DRI314524LT	Version
Order No.	7760056318	D-SERIES DRI, Relay, Number of contacts: 1, CO contact AgSnO,
GTIN (EAN)	6944169740237	Rated control voltage: 24 V AC, Continuous current: 10 A, Flat blade
Qty.	20 pc(s).	connections (4.7 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 1,5M3,5 V	Version
Order No.	9200080000	cable lug, terminal end, Insulated cable connector, 1,5 mm ² , 0,5 mm ² -
GTIN (EAN)	4032248409846	1,5 mm ²
Qty.	100 pc(s).	
Type	LIR 2,5M3 V	Version
Order No.	9200150000	cable lug, terminal end, Insulated cable connector, 2,5 mm ² , 1,5 mm ² -
GTIN (EAN)	4032248409778	2,5 mm ²
Qty.	100 pc(s).	
Type	LIR 2,5M3,5 V	Version
Order No.	9200160000	cable lug, terminal end, Insulated cable connector, 2,5 mm ² , 1,5 mm ² -
GTIN (EAN)	4032248409785	2,5 mm ²
Qty.	100 pc(s).	
Type	LIR 1,5M3 V	Version
Order No.	9200070000	cable lug, terminal end, Insulated cable connector, 1,5 mm ² , 0,5 mm ² -
GTIN (EAN)	4032248409839	1,5 mm ²
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-M3,5/-1	Version
Order No.	1492180000	cable lug, terminal end, Insulated cable connector, 1 mm ² , 0,5 mm ² - 1
GTIN (EAN)	4050118302080	mm ²
Qty.	100 pc(s).	
Type	KQI-M3/-1	Version
Order No.	1492170000	cable lug, terminal end, Insulated cable connector, 1 mm ² , 0,5 mm ² - 1
GTIN (EAN)	4050118302035	mm ²
Qty.	100 pc(s).	

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Accessories

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

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.	2749410000	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.	2749650000	Mounting tool, Blade length: 80 mm
GTIN (EAN)	4050118896398	
Qty.	1 pc(s).	

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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.	2749890000	Screwdriver, Blade length: 80 mm
GTIN (EAN)	4050118897098	
Qty.	1 pc(s).	