SDI 1CO

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

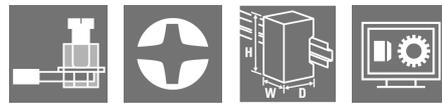|	
Version	D-SERIES DRI, Relay socket, Number of contacts: 1, CO contact, Continuous current: 12 A, Screw connection
Order No.	7760056350
Type	SDI 1CO
GTIN (EAN)	6944169739972
Qty.	10 ST

Creation date 03.07.2025 07:41:34 MEZ

Data sheet

SDI 1CO

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

www.weidmueller.com

Technical data

Approvals

Approvals	CE cRUus
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E355547

Dimensions and weights

Depth	61 mm	Depth (inches)	2.4016 inch
Height	80.2 mm	Height (inches)	3.1575 inch
Width	15.8 mm	Width (inches)	0.622 inch
Net weight	35.6 g		

Temperatures

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

Environmental Product Compliance

RoHS Compliance Status	Compliant
REACH SVHC	No SVHC above 0.1 wt%

Rated data UL

Certificate No. (cURus)	E355547

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

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 kVeff / 1 Min.
Impulse withstand voltage	4.8 kV (1.2/50 µs)	Protection degree	IP20

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SDI 1CO

Technical data

Further details of approvals / standards

Certificate No. (cURus)	E355547

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 mm²	Clamping range, min.	0.25 mm²
Clamping range, max.	4 mm²	Wire cross-section, solid, min.	0.25 mm²
Wire cross-section, solid, max.	4 mm²	Wire connection cross section, finely stranded, min.	0.25 mm²
Wire connection cross section, finely stranded, max.	4 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.25 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	4 mm²	Conductor cross-section, flexible, AEH (DIN 46228-1), min.	0.25 mm²
Conductor cross-section, flexible, AEH (DIN 46228-1), max.	4 mm²	Blade size	size PH1

Classifications

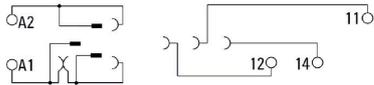|			
ETIM 6.0	EC001456	ETIM 7.0	EC001456
ETIM 8.0	EC001456	ETIM 9.0	EC001456
ETIM 10.0	EC001456	ECLASS 9.0	27-37-16-03
ECLASS 9.1	27-37-16-03	ECLASS 10.0	27-37-16-03
ECLASS 11.0	27-37-16-03	ECLASS 12.0	27-37-16-03
ECLASS 13.0	27-37-16-03	ECLASS 14.0	27-37-16-03
ECLASS 15.0	27-37-16-03		

Weidmüller ⊃⊂

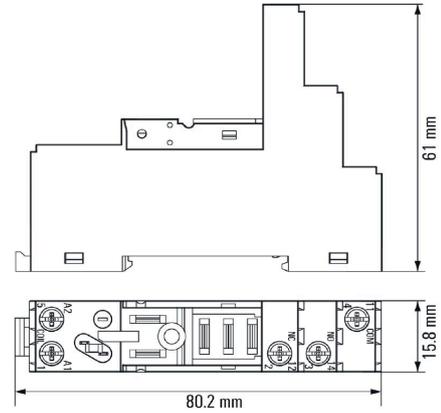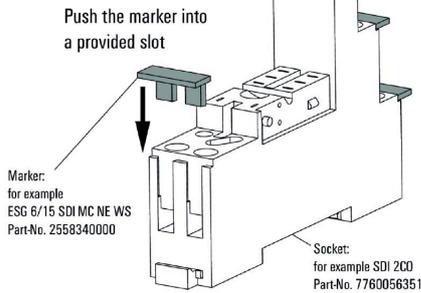## Drawings

Wiring diagram

Dimensional drawing

Example of use

How to install marker
on screw connection sockets (four slots available)

Push the marker into
a provided slot

Marker:
for example
ESG 6/15 SDI MC NE WS
Part-No. 2558340000

Socket:
for example SDI 2CO
Part-No. 7760056351

How to install markeron screw
connection sockets (four slots available)

Dimensional drawing
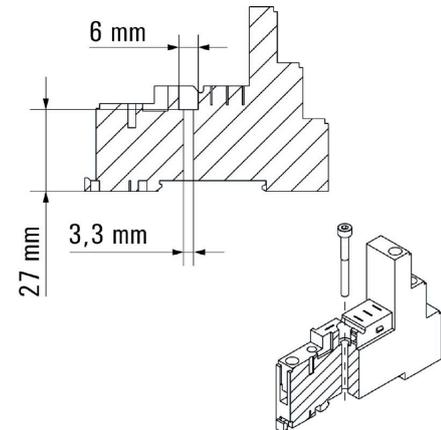
6 mm

3,3 mm

27 mm

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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.	7760056169	D-SERIES, Free-wheeling diode, Rated control voltage: 6...230 V, Plug-in connection	
GTIN (EAN)	4032248967728		
Qty.	10 ST		

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.	7760056015	D-SERIES, LED module with freewheel diode, Rated control voltage: 6...24 V DC, Plug-in connection	
GTIN (EAN)	4032248878116		
Qty.	10 ST		
Type	RIM 2 24/60VDC	Version	
Order No.	7760056016	D-SERIES, LED module with freewheel diode, Rated control voltage: 24...60 V DC, Plug-in connection	
GTIN (EAN)	4032248878123		
Qty.	10 ST		
Type	RIM 2 110/230VDC	Version	
Order No.	7760056017	D-SERIES, LED module with freewheel diode, Rated control voltage: 110...230 V DC, Plug-in connection	
GTIN (EAN)	4032248896615		
Qty.	10 ST		

Accessories

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.	7940018457	D-SERIES, LED module, Rated control voltage: 6...24 V UC, Plug-in	
GTIN (EAN)	4032248878192	connection	
Qty.	10 ST		
Type	RIM 3 24/60VUC	Version	
Order No.	7760056018	D-SERIES, LED module, Rated control voltage: 24...60 V UC, Plug-in	
GTIN (EAN)	4032248878130	connection	
Qty.	10 ST		
Type	RIM 3 110/230VUC	Version	
Order No.	7940018455	D-SERIES, LED module, Rated control voltage: 110...230 V UC, Plug-	
GTIN (EAN)	4032248878185	in connection	
Qty.	10 ST		

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 3 110/230VAC	Version	
Order No.	7760056014	D-SERIES, RC filter, Rated control voltage: 110...230 V AC, Plug-in	
GTIN (EAN)	4032248878109	connection	
Qty.	10 ST		
Type	RIM 3 110/230VAC LED	Version	
Order No.	7760056045	D-SERIES, RC filter, Rated control voltage: 110...230 V AC, Plug-in	
GTIN (EAN)	4032248878147	connection	
Qty.	10 ST		

Accessories

Retaining clips

Retaining clip for D-SERIES DRI relays
• Metal and plastic retaining clip

General ordering data

Type	SDI CLIP	Version
Order No.	7760056352	D-SERIES DRI, Retaining clip
GTIN (EAN)	6944169739996	
Qty.	10 ST	

Type	SDI CLIP P	Version
Order No.	7760056389	D-SERIES DRI, Retaining clip
GTIN (EAN)	6944169787539	
Qty.	10 ST	

Type	SDI CLIP LM	Version
Order No.	7760056368	D-SERIES DRI, Retaining clip
GTIN (EAN)	6944169773341	
Qty.	10 ST	

Type	SDI CLIP HM	Version
Order No.	7760056390	D-SERIES DRI, Retaining clip
GTIN (EAN)	6944169787898	
Qty.	10 ST	

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 width (B): 1 mm, 80 mm, Blade thickness (A): 1
GTIN (EAN)	4050118897098	
Qty.	1 ST	

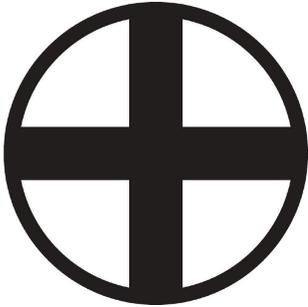**SDI 1CO**

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 SLIM PH1 X 80	Version	
Order No.	2749650000	Screwdriver, Blade width (B): 1 mm, 80 mm, Blade thickness (A): 1	
GTIN (EAN)	4050118896398		
Qty.	1 ST		

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 width (B): 1 mm, 80 mm, Blade thickness (A):	
GTIN (EAN)	4050118895636		
Qty.	1 ST		

Cross-connection for socket with screw connection

Cross-connection for the socktes in the RIDERSERIES RCI.

General ordering data

Type	SRC-I QV S	Version	
Order No.	1132070000	RIDERSERIES RCI, Cross-connector	
GTIN (EAN)	4032248912087		
Qty.	10 ST		

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SDI 1CO

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 manufacturers like Siemens, ABB, Beckhoff etc.
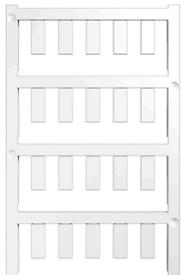Advantages at a glance:
- Tags for universal usage, self-adhesive or clip-on tags, depending on type
- For aligned equipment, e.g. circuit breakers, we supply ESG markers for clipping onto tag rails
- Individual laser-quality printing according to specifications

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.	2558340000	ESG, Device markers x 15 mm, PA 66, Colour: white, pluggable
GTIN (EAN)	4050118569056	
Qty.	200 ST	

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.	2558310000	ESG, Device markers x 15 mm, PA 66, Colour: To customer
GTIN (EAN)	4050118569025	specification, pluggable
Qty.	40 ST	

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.	2619940000	ESG, Device markers, 6 x 15 mm, white	
GTIN (EAN)	4050118626148		
Qty.	3000 ST		