

DRI relay

1 CO contact, AC/DC coil

- Robust industrial plug-in connections
- Optional: latching / spring return operable test button with coloured control voltage identification (AC coil: red / DC coil: blue)
- Optional: Bright status LED (AC coil: red / DC coil: green)
- Optional: free-wheeling diode

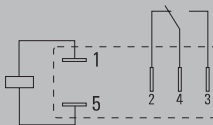


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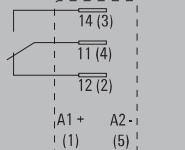
Circuit diagram

View on Pins from below

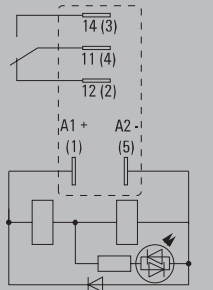
AC- and DC coil



AC- and DC coil LED:



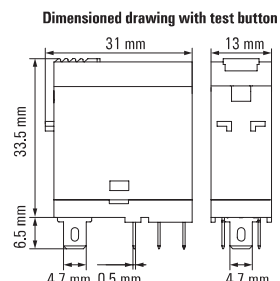
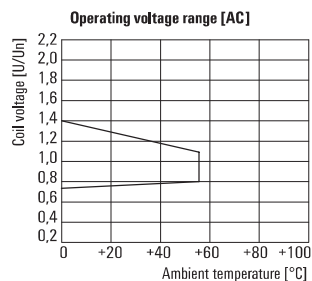
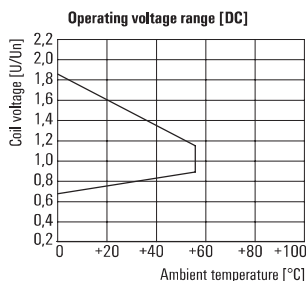
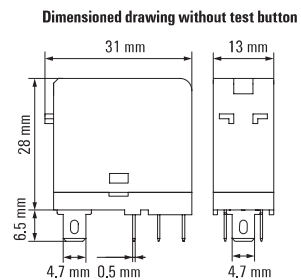
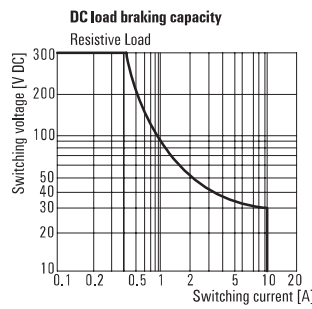
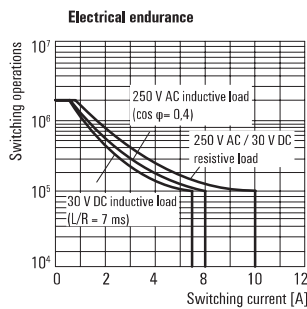
DC coil LED+diode



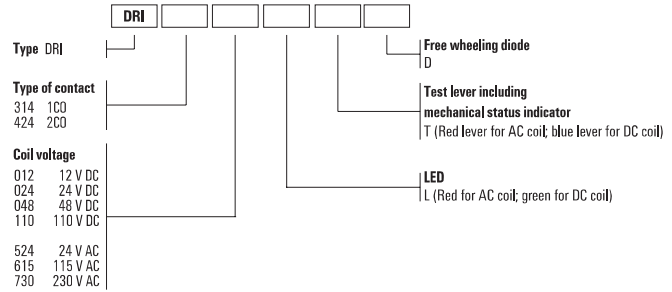
Technical data

Load side	
Rated switching voltage / Continuous current	250 V AC / 10 A
Max. switching voltage, AC	250 V
Min. switching power	10 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V
Mechanical service life	10 x 10 ⁶ switching cycles
Max. switching frequency at rated load	0.1 Hz
General data	
Ambient temperature (operational)	-40 °C...55 °C
Storage temperature	-40 °C...85 °C
Humidity	35...85 % rel. humidity, no condensation
Approvals	cURus
Insulation coordinates	
Rated voltage	300 V
Impulse withstand voltage	5 kV (1.2/50 µs)
Dielectric strength for control side - load side	5 kV _m / 1min
Dielectric strength of neighbouring contacts	
Dielectric strength to mounting rail	
Clearance and creepage distances for control side - load side	≥ 4 mm
Overvoltage category	III
Pollution degree	2
Dimensions	
	Flat blade connections (4.7 mm x 0.5 mm)
Depth x width x height	see dimensioned drawing
Note	
	Further technical data can be found at eshop.weidmuller.com

Applications



DRI relay
1 CO contact, AC/DC coil



Ordering data

Control side	12 V DC 1CO	24 V DC 1CO	48 V DC 1CO	110 V DC 1CO
Rated control voltage	12 V DC	24 V DC	48 V DC	110 V DC
Rated current AC / DC	/ 44,4 mA	/ 21,8 mA	/ 11,2 mA	/ 4,8 mA
Power rating	530 mW	530 mW	530 mW	530 mW

Ordering data	12 V DC 1CO	24 V DC 1CO	48 V DC 1CO	110 V DC 1CO
Standard	DRI314012	DRI314024	DRI314048	DRI314110
Order No.	7760056296	7760056297	7760056298	7760056299
with LED	DRI314012L	DRI314024L	DRI314048L	DRI314110L
Order No.	7760056303	7760056304	7760056305	7760056306
with LED + free-wheeling diode	DRI314012LD	DRI314024LD	DRI314048LD	DRI314110LD
Order No.	7760056310	7760056311	7760056312	7760056313
with test button + LED	DRI314012LTD	DRI314024LTD	DRI314048LTD	DRI314110LTD
+ Free-wheel diode	7760056314	7760056315	7760056316	7760056317

Note				
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Ordering data

Control side	24 V AC 1CO	115 V AC 1CO	230 V AC 1CO
Rated control voltage	24 V AC	115 V AC	230 V AC
Rated current AC / DC	50 mA /	9,3 mA /	4,9 mA /
Power rating	1,2 VA	1,1 VA	1,1 VA

Ordering data	24 V AC 1CO	115 V AC 1CO	230 V AC 1CO
Standard	DRI314524	DRI314615	DRI314730
Order No.	7760056300	7760056301	7760056302
with LED	DRI314524L	DRI314615L	DRI314730L
Order No.	7760056307	7760056308	7760056309
with test button + LED	DRI314524LT	DRI314615LT	DRI314730LT
Order No.	7760056318	7760056319	7760056320

Note			
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D-SERIES - relay modules

Accessories for DRI relays

- Flat design
- DIN rail unlocked using screwdriver

Technical data

Load side	
Rated switching voltage	250 V AC
Max. switching voltage, AC	250 V
Continuous current	12 A
General data	
Ambient temperature (operational)	-40 °C...55 °C
Storage temperature	-40 °C...85 °C
Approvals	CE, cURus
Insulation coordinates	
Protection degree	IP20
Clearance and creepage distances for control side - load side	≥ 3 mm
Dielectric strength for control side - load side	5 kV _{en} / 1 min
Dielectric strength of neighbouring contacts	
Impulse withstand voltage	
Connection data	
Clamping range (nominal / min. / max.)	1.5 / 0.14 / 1.5 mm ²
Tightening torque	...
Stripping length, rated connection	10 mm
Note	

Ordering data

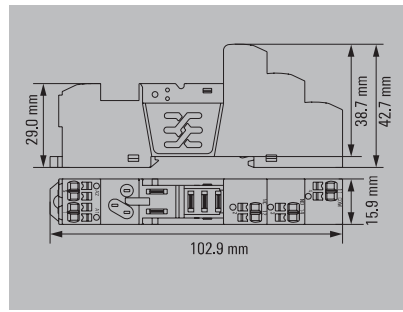
	Plug-in module on TS35 terminal rail
Note	

Accessories

LED module / protection modules	
Free-wheeling diode 6 - 230 V DC	
LED 6 - 24 V DC green and freewheeling diode	
LED 24 - 60 V DC green and free-wheeling diode	
LED 110 - 230 V DC green and free-wheeling diode	
LED 6 - 24 V UC green	
LED 24 - 60 V UC green	
LED 110 - 230 V UC green	
RC element 110 - 230 V AC; 4.7 kΩ / 10 nF	
RC element 110 - 230 V AC; 100 Ω / 220 nF and LED green	
Cross-connector	
Retaining clip	
Plastic retaining clip	
Plastic retaining bracket with marker holder	
Metal retaining clip for relay with test button	
Metal bracket for relay without test button	
Marking tags	white
Screwdriver	
Standard, uninsulated	
Standard, insulated	

Note

Socket with PUSH IN connection, 1 CO contact



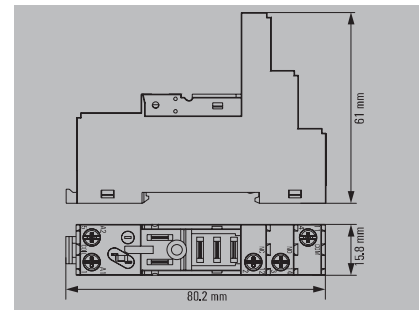
Load side	
Rated switching voltage	250 V AC
Max. switching voltage, AC	250 V
Continuous current	12 A
General data	
Ambient temperature (operational)	-40 °C...55 °C
Storage temperature	-40 °C...85 °C
Approvals	CE, cURus
Insulation coordinates	
Protection degree	IP20
Clearance and creepage distances for control side - load side	≥ 3 mm
Dielectric strength for control side - load side	5 kV _{en} / 1 min
Dielectric strength of neighbouring contacts	
Impulse withstand voltage	
Connection data	
Clamping range (nominal / min. / max.)	1.5 / 0.14 / 1.5 mm ²
Tightening torque	...
Stripping length, rated connection	10 mm
Note	

Type	Qty.	Order No.
SDI 1CO P	20	7760056364
Note		

Type	Qty.	Order No.
RIM 1 6/230VDC	10	7760056169
RIM 2 6/24VDC	10	7760056015
RIM 2 24/60VDC	10	7760056016
RIM 2 110/230VDC	10	7760056017
RIM 3 6/24VUC	10	7940018457
RIM 3 24/60VUC	10	7760056018
RIM 3 110/230VUC	10	7940018455
RIM 3 110/230VAC	10	7760056014
SCM/SDI P CC	10	7760056366
SDI CLIP	10	7760056352
SDI CLIP P	10	7760056389
SDI CLIP HM	10	7760056390
SDI CLIP LM	10	7760056368
ESG 6/15 SDI MC NE WS	200	2558340000
SDS 0.4X2.5X75	10	2749320000
SDIS 0.4X2.5X75	1	2749790000

Further accessories can be found on the article at eshop.weidmueller.com

Socket with clamping yoke connection, 1 CO contact



Load side	
Rated switching voltage	250 V AC
Max. switching voltage, AC	250 V
Continuous current	12 A
General data	
Ambient temperature (operational)	-40 °C...70 °C
Storage temperature	-40 °C...85 °C
Approvals	CE, cURus
Insulation coordinates	
Protection degree	IP20
Clearance and creepage distances for control side - load side	≥ 3 mm
Dielectric strength for control side - load side	4 kV _{en} / 1 Min.
Dielectric strength of neighbouring contacts	
Impulse withstand voltage	4.8 kV (1.2/50 μs)
Connection data	
Clamping range (nominal / min. / max.)	1.5 / 0.25 / 4 mm ²
Tightening torque	0.5...0.8 Nm
Stripping length, rated connection	8 mm
Note	

Type	Qty.	Order No.
SDI 1CO	10	7760056350
Note		

Type	Qty.	Order No.
RIM 1 6/230VDC	10	7760056169
RIM 2 6/24VDC	10	7760056015
RIM 2 24/60VDC	10	7760056016
RIM 2 110/230VDC	10	7760056017
RIM 3 6/24VUC	10	7940018457
RIM 3 24/60VUC	10	7760056018
RIM 3 110/230VUC	10	7940018455
RIM 3 110/230VAC	10	7760056014
RIM 3 110/230VAC LED	10	7760056045
SRC-I QV S	10	1132070000
SDI CLIP	10	7760056352
SDI CLIP P	10	7760056389
SDI CLIP HM	10	7760056390
SDI CLIP LM	10	7760056368
ESG 6/15 SDI MC NE WS	200	2558340000
SDK PH1 X 80	1	2749410000
SDIK PH1 X 80	1	2749890000

Further accessories can be found on the article at eshop.weidmueller.com

D-SERIES - relay modules

DRI relay

2 CO contacts, AC/DC coil

- Robust industrial plug-in connections
- Optional: latching / spring return operable test button with coloured control voltage identification (AC coil: red / DC coil: blue)
- Optional: Bright status LED (AC coil: red / DC coil: green)
- Optional: free-wheeling diode

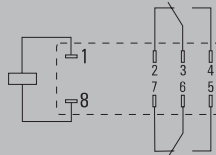


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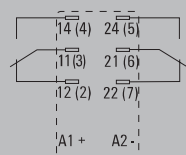
Circuit diagram

View on Pins from below

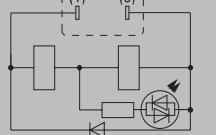
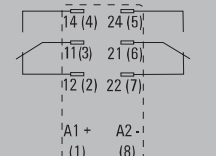
AC- and DC coil



AC- and DC coil LED:



DC coil LED+diode



Technical data

Load side	
Rated switching voltage / Continuous current	250 V AC / 5 A
Max. switching voltage, AC	250 V
Min. switching power	10 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V
Mechanical service life	10 x 10 ⁶ switching cycles
Max. switching frequency at rated load	0.1 Hz
General data	
Ambient temperature (operational)	-40 °C...55 °C
Storage temperature	-40 °C...85 °C
Humidity	35...85 % rel. humidity, no condensation
Approvals	cURus
Insulation coordinates	
Rated voltage	300 V
Impulse withstand voltage	5 kV (1.2/50 µs)
Dielectric strength for control side - load side	5 kV _{eff} / 1 min
Dielectric strength of neighbouring contacts	1.5 kV _{eff} / 1 min.
Dielectric strength to mounting rail	
Clearance and creepage distances for control side - load side	≥ 4 mm
Overvoltage category	III
Pollution degree	2

Dimensions

Depth x width x height

Flat blade connections (2.5 mm x 0.5 mm)

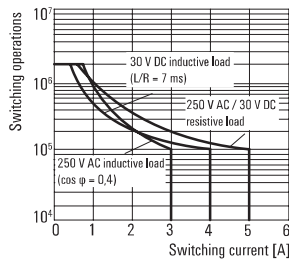
see dimensioned drawing

Note

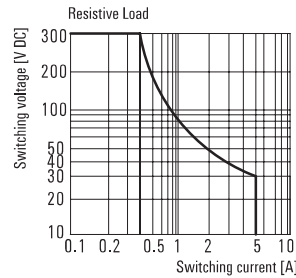
Further technical data can be found at eshop.weidmuller.com

Applications

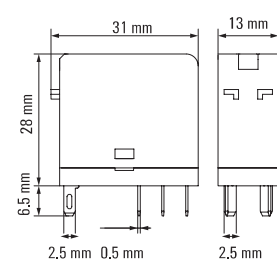
Electrical endurance



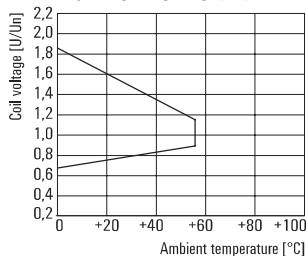
DC load braking capacity



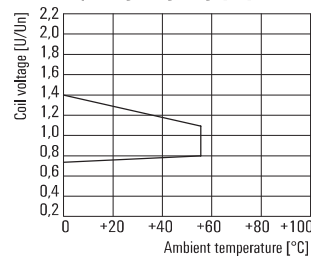
Dimensioned drawing without test button



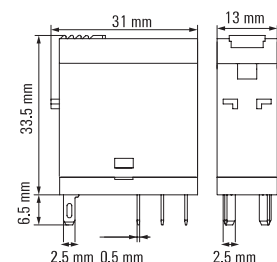
Operating voltage range [DC]



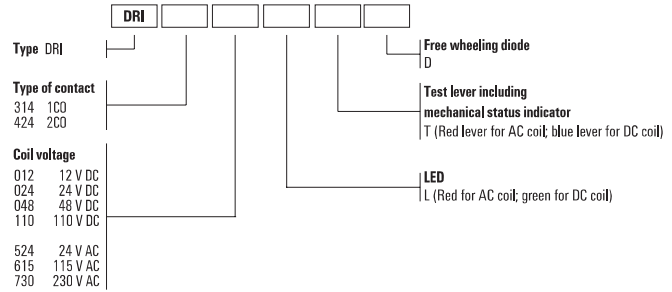
Operating voltage range [AC]



Dimensioned drawing with test button



DRI relay
2 CO contacts, AC/DC coil



Ordering data

Control side	12 V DC 2CO	24 V DC 2CO	48 V DC 2CO	110 V DC 2CO
Rated control voltage	12 V DC	24 V DC	48 V DC	110 V DC
Rated current AC / DC	/ 44,4 mA	/ 21,8 mA	/ 11,2 mA	/ 4,8 mA
Power rating	530 mW	530 mW	530 mW	530 mW

Ordering data	12 V DC 2CO	24 V DC 2CO	48 V DC 2CO	110 V DC 2CO
Standard	Type DRI424012	Type DRI424024	Type DRI424048	Type DRI424110
	Order No. 7760056321	Order No. 7760056322	Order No. 7760056323	Order No. 7760056324
with LED	Type DRI424012L	Type DRI424024L	Type DRI424048L	Type DRI424110L
	Order No. 7760056328	Order No. 7760056329	Order No. 7760056330	Order No. 7760056331
with LED + free-wheeling diode	Type DRI424012LD	Type DRI424024LD	Type DRI424048LD	Type DRI424110LD
	Order No. 7760056335	Order No. 7760056336	Order No. 7760056337	Order No. 7760056338
with test button + LED	Type DRI424012LTD	Type DRI424024LTD	Type DRI424048LTD	Type DRI424110LTD
+ Free-wheel diode	Order No. 7760056339	Order No. 7760056340	Order No. 7760056341	Order No. 7760056342

Note				
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Ordering data

Control side	24 V AC 2CO	115 V AC 2CO	230 V AC 2CO
Rated control voltage	24 V AC	115 V AC	230 V AC
Rated current AC / DC	50 mA /	9,3 mA /	4,9 mA /
Power rating	1,2 VA	1,1 VA	1,1 VA

Ordering data	24 V AC 2CO	115 V AC 2CO	230 V AC 2CO
Standard	Type DRI424524	Type DRI424615	Type DRI424730
	Order No. 7760056325	Order No. 7760056326	Order No. 7760056327
with LED	Type DRI424524L	Type DRI424615L	Type DRI424730L
	Order No. 7760056332	Order No. 7760056333	Order No. 7760056334
with test button + LED	Type DRI424524LT	Type DRI424615LT	Type DRI424730LT
	Order No. 7760056343	Order No. 7760056344	Order No. 7760056345

Note			
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D-SERIES – relay modules

Accessories for DRI relays

- Flat design
- DIN rail unlocked using screwdriver

Technical data

Load side	
Rated switching voltage	250 V AC
Max. switching voltage, AC	250 V
Continuous current	8 A
General data	
Ambient temperature (operational)	-40 °C...55 °C
Storage temperature	-40 °C...85 °C
Approvals	CE, cURus
Insulation coordinates	
Protection degree	IP20
Clearance and creepage distances for control side - load side	≥ 3 mm
Dielectric strength for control side - load side	5 kV _{eff} / 1 min
Dielectric strength of neighbouring contacts	2.5 kV _{eff} / 1 Min.
Impulse withstand voltage	
Connection data	
Clamping range (nominal / min. / max.)	1.5 / 0.14 / 1.5 mm ²
Tightening torque	...
Stripping length, rated connection	10 mm
Note	

Ordering data

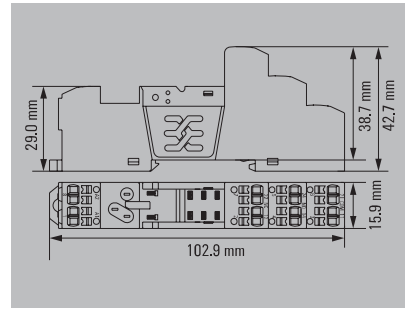
Plug-in module on TS35 terminal rail
Note

Accessories

LED module / protection modules	
Free-wheeling diode 6 - 230 V DC	
LED 6 - 24 V DC green and freewheeling diode	
LED 24 - 60 V DC green and free-wheeling diode	
LED 110 - 230 V DC green and free-wheeling diode	
LED 6 - 24 V UC green	
LED 24 - 60 V UC green	
LED 110 - 230 V UC green	
RC element 110 - 230 V AC; 4.7 kΩ / 10 nF	
RC element 110 - 230 V AC; 100 Ω / 220 nF and LED green	
Cross-connector	
Retaining clip	
Plastic retaining clip	
Plastic retaining bracket with marker holder	
Metal retaining clip for relay with test button	
Metal bracket for relay without test button	
Marking tags	
white	
Screwdriver	
Standard, uninsulated	
Standard, insulated	

Note

Socket with PUSH IN connection, 2 CO contact



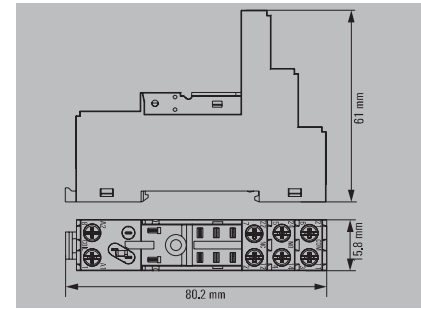
Technical data	
Rated switching voltage	250 V AC
Max. switching voltage, AC	250 V
Continuous current	8 A
General data	
Ambient temperature (operational)	-40 °C...55 °C
Storage temperature	-40 °C...85 °C
Approvals	CE, cURus
Insulation coordinates	
Protection degree	IP20
Clearance and creepage distances for control side - load side	≥ 3 mm
Dielectric strength for control side - load side	5 kV _{eff} / 1 min
Dielectric strength of neighbouring contacts	2.5 kV _{eff} / 1 Min.
Impulse withstand voltage	
Connection data	
Clamping range (nominal / min. / max.)	1.5 / 0.14 / 1.5 mm ²
Tightening torque	...
Stripping length, rated connection	10 mm
Note	

Type	Qty.	Order No.
SDI 2CO P	20	7760056365
Note		

Type	Qty.	Order No.
RIM 1 6/230VDC	10	7760056169
RIM 2 6/24VDC	10	7760056015
RIM 2 24/60VDC	10	7760056016
RIM 2 110/230VDC	10	7760056017
RIM 3 6/24VUC	10	7940018457
RIM 3 24/60VUC	10	7760056018
RIM 3 110/230VUC	10	7940018455
RIM 3 110/230VAC	10	7760056014
Cross-connector		
SCM/SDI P CC	10	7760056366
Retaining clip		
SDI CLIP	10	7760056352
SDI CLIP P	10	7760056389
SDI CLIP HM	10	7760056390
SDI CLIP LM	10	7760056368
Marking tags		
ESG 6/15 SDI MC NE WS	200	2558340000
Screwdriver		
SDS 0.4X2.5X75	10	2749320000
SDIS 0.4X2.5X75	1	2749790000

Further accessories can be found on the article at eshop.weidmueller.com

Socket with clamping yoke connection, 2 CO contacts



Technical data	
Rated switching voltage	250 V AC
Max. switching voltage, AC	250 V
Continuous current	8 A
General data	
Ambient temperature (operational)	-40 °C...70 °C
Storage temperature	-40 °C...85 °C
Approvals	CE, cURus
Insulation coordinates	
Protection degree	IP20
Clearance and creepage distances for control side - load side	≥ 3 mm
Dielectric strength for control side - load side	4 kV _{eff} / 1 Min.
Dielectric strength of neighbouring contacts	2.5 kV _{eff} / 1 Min.
Impulse withstand voltage	4.8 kV (1.2/50 μs)
Connection data	
Clamping range (nominal / min. / max.)	1.5 / 0.25 / 4 mm ²
Tightening torque	0.5...0.8 Nm
Stripping length, rated connection	8 mm
Note	

Type	Qty.	Order No.
SDI 2CO	10	7760056351
Note		

Type	Qty.	Order No.
RIM 1 6/230VDC	10	7760056169
RIM 2 6/24VDC	10	7760056015
RIM 2 24/60VDC	10	7760056016
RIM 2 110/230VDC	10	7760056017
RIM 3 6/24VUC	10	7940018457
RIM 3 24/60VUC	10	7760056018
RIM 3 110/230VUC	10	7940018455
RIM 3 110/230VAC	10	7760056014
RIM 3 110/230VAC LED	10	7760056045
Cross-connector		
SRC-I QV S	10	1132070000
Retaining clip		
SDI CLIP	10	7760056352
SDI CLIP P	10	7760056389
SDI CLIP HM	10	7760056390
SDI CLIP LM	10	7760056368
Marking tags		
ESG 6/15 SDI MC NE WS	200	2558340000
Screwdriver		
SDK PH1 X 80	1	2749410000
SDIK PH1 X 80	1	2749890000

Further accessories can be found on the article at eshop.weidmueller.com

