

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. | 7760056347 |
| Type | SDI 2CO ECO |
| GTIN (EAN) | 6944169739941 |
| Qty. | 10 items |

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Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

| | | | |
|------------|---------|-----------------|-------------|
| Depth | 29.2 mm | Depth (inches) | 1.1496 inch |
| Height | 73.3 mm | Height (inches) | 2.8858 inch |
| Width | 15.8 mm | Width (inches) | 0.622 inch |
| Net weight | 23 g | | |

Temperatures

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

Environmental Product Compliance

| | |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC | No SVHC above 0.1 wt% |

Load side

| | | | |
|----------------------------|----------|--------------------|--------------|
| Rated switching voltage | 300 V AC | Continuous current | 8 A |
| Max. switching voltage, AC | 300 V | Contact type | 2 CO contact |

General data

| | | | |
|------------------------------------|--------------------------|----------------|--|
| Version | flat design | | |
| Mounting 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. |
| Dielectric strength of neighbouring contacts | 2.5 kVeff / 1 Min. | Impulse withstand voltage | 4.8 kV (1.2/50 μs) |
| Protection degree | IP10 | | |

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 |

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|---|---------------------|---|-------------------------------|
| 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) |
| Blade size | size PH1 | | |

Important note

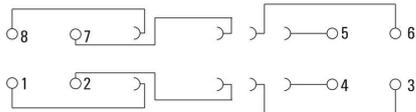
Product information For this socket, a cross connection is not available. For this socket, markers are not available.

Classifications

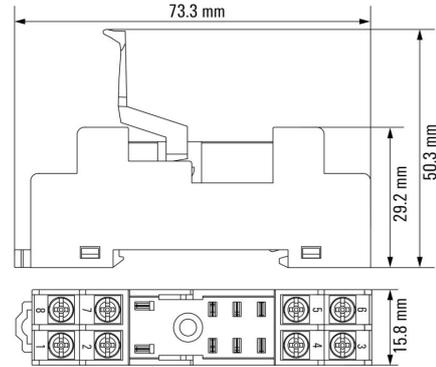
| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC001456 | ETIM 9.0 | EC001456 |
| ETIM 10.0 | EC001456 | ECLASS 14.0 | 27-37-16-03 |
| ECLASS 15.0 | 27-37-16-03 | | |

Drawings

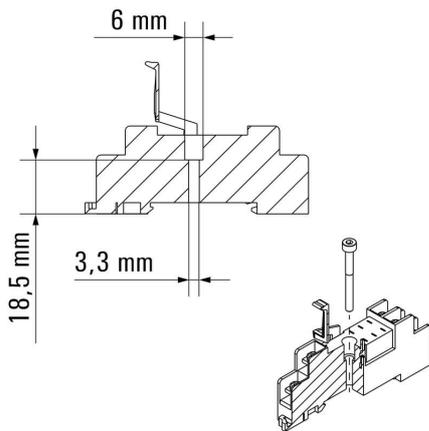
Wiring diagram



Dimensional drawing



Dimensional drawing



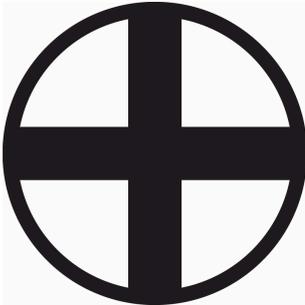
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Accessories

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 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



VDE insulated crosshead screwdriver, for Phillips screws, SDIK PH DIN 7438, ISO 8764/2-PH, output to ISO 8764-PH, SoftFinish grip

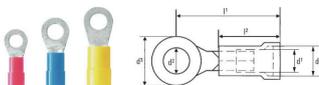
General ordering data

| | | | |
|------------|----------------------------|---|--|
| 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 | | |
| Type | SDK PH1 X 80 | Version | |
| Order No. | 2749410000 | Screwdriver, Blade width (B): 4.5 mm, 80 mm, Blade thickness (A): 1 | |
| GTIN (EAN) | 4050118895636 | | |
| Qty. | 1 ST | | |

Ring cable lugs

Insulated ring-cable connector made from PVC

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



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Accessories

General ordering data

| | | |
|------------|----------------------------|---|
| 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 ST | |
| 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 ST | |

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. | 1492170000 | cable lug, terminal end, Insulated cable connector, 1 mm ² , 0.5 mm ² - 1 |
| GTIN (EAN) | 4050118302035 | mm ² |
| Qty. | 100 ST | |
| 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 ST | |