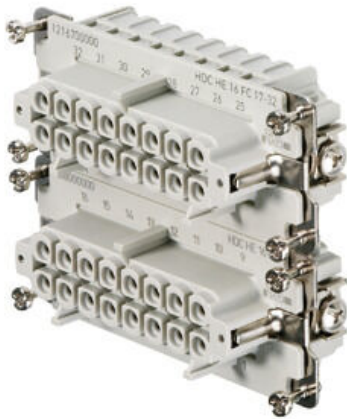


HDC HE 16 FC 17-32

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

www.weidmueller.com



For the crimp connection, the wire connection level is designed as a crimp contact. The proven crimp connection method has been in standard use for decades. Crimp contacts are not included in the scope of delivery of inserts.

General ordering data

| | |
|------------|--|
| Version | HDC insert, Female, 500 V, 16 A, Number of poles: 16, Crimp connection, Installation size: 6 |
| Order No. | 121670000 |
| Type | HDC HE 16 FC 17-32 |
| GTIN (EAN) | 4008190073091 |
| Qty. | 1 items |

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Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

| | | | |
|------------|---------|-----------------|-------------|
| Depth | 84.5 mm | Depth (inches) | 3.3268 inch |
| Height | 33.5 mm | Height (inches) | 1.3189 inch |
| Width | 34 mm | Width (inches) | 1.3386 inch |
| Net weight | 47.52 g | | |

Temperatures

Limit temperature -40 °C ... 125 °C

Environmental Product Compliance

| | |
|------------------------|--|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC | Potassium perfluorobutane sulfonate 29420-49-3 |
| SCIP | 1609748e-c278-4c9b-b3d1-e6215d2988cd |

| | | |
|---------------------|--------------------------|---------------------------|
| Chemical resistance | Substance | Acetone |
| | Chemical resistance | Resistant |
| | Substance | Ammonia, watery |
| | Chemical resistance | Conditionally resistant |
| | Substance | Petrol |
| | Chemical resistance | Resistant |
| | Substance | Benzene |
| | Chemical resistance | Resistant |
| | Substance | Diesel oil |
| | Chemical resistance | Conditionally resistant |
| | Substance | Acetic acid, concentrated |
| | Chemical resistance | Resistant |
| | Substance | Potassium hydroxide |
| | Chemical resistance | Conditionally resistant |
| | Substance | Methanol |
| | Chemical resistance | Conditionally resistant |
| | Substance | Motor oil |
| | Chemical resistance | Conditionally resistant |
| | Substance | Lye, diluted |
| | Chemical resistance | Resistant |
| Substance | Hydrochlorofluorocarbons | |
| Chemical resistance | Conditionally resistant | |
| Substance | Outdoor use | |
| Chemical resistance | Conditionally resistant | |

Dimensions

| | | | |
|------------------|---------|-------------------|---------|
| Width | 34 mm | Total length base | 84.5 mm |
| Height of socket | 33.5 mm | | |

General data

Number of poles 16

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Technical data

| | | |
|--------------------------------------|---|--------|
| Plugging cycles, silver | ≥ 500 | |
| Plugging cycles, gold | ≥ 500 | |
| Type of connection | Crimp connection | |
| Installation size | 6 | |
| UL 94 flammability rating | V-0 | |
| Volume resistance | ≤2 mΩ | |
| Colour | beige | |
| Insulation resistance | 1010 Ω | |
| Insulating material | PC glass-fibre reinforced (UL-listed and railway-certified) | |
| Insulating material group | IIIa | |
| Conductor cross-section | 4 mm ² | |
| Type | Female | |
| Pollution severity | 3 | |
| Basic material | Copper alloy | |
| Series | HE | |
| Rated voltage (DIN EN 61984) | 500 V | |
| Rated voltage according to UL/CSA | 600 V AC/DC | |
| Rated impulse voltage (DIN EN 61984) | 6 kV | |
| Rated current (DIN EN 61984) | 16 A | |
| Rated current (UR) | Wire connection cross section AWG | AWG 12 |
| | Rated current | 20 A |
| | Wire connection cross section AWG | AWG 14 |
| | Rated current | 15 A |
| | Wire connection cross section AWG | AWG 16 |
| | Rated current | 10 A |
| | Wire connection cross section AWG | AWG 18 |
| | Rated current | 7 A |
| | Wire connection cross section AWG | AWG 20 |
| | Rated current | 5 A |
| Rated current (cUR) | Wire connection cross section AWG | AWG 12 |
| | Rated current | 18 A |
| | Wire connection cross section AWG | AWG 14 |
| | Rated current | 14.5 A |
| | Wire connection cross section AWG | AWG 16 |
| | Rated current | 12 A |
| | Wire connection cross section AWG | AWG 18 |
| | Rated current | 7.5 A |
| | Wire connection cross section AWG | AWG 20 |
| | Rated current | 8 A |
| Free from halogens | true | |
| Low smoke acc. DIN EN 45545-2 | Yes | |
| BG | 6 | |
| Number of signal contacts | 0 | |
| Number of power contacts | 16 | |

Connection data PE

| | | | |
|---------------------------------------|-------------------|---------------------------------------|--------------|
| Connection type PE | Screw connection | Blade size, slotted (PE connection) | SD 0.8 x 4.0 |
| Stripping length PE connection | 10 mm | Tightening torque, max. PE connection | 1.5 Nm |
| Tightening torque, min. PE connection | 1.2 Nm | Fixing screw | M 4 |
| Rated cross-section | 4 mm ² | Wire cross section, AWG (PE), min. | AWG 20 |
| Wire cross section, AWG (PE), max. | AWG 12 | | |

Version

| | | | |
|---|------------------|------------------------------------|--------|
| Wire connection cross section AWG, max. | AWG 12 | Stripping length, rated connection | 7.5 mm |
| Type of connection | Crimp connection | Installation size | 6 |

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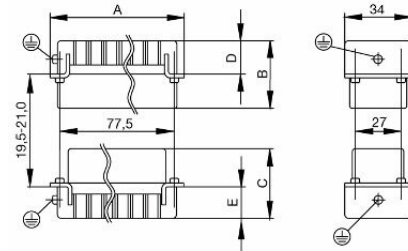
Technical data

| | | | |
|---|---------------------|--|---------------------|
| Volume resistance | ≤2 mΩ | Wire connection cross section AWG, min. | AWG 20 |
| Wire cross-section, solid, max. | 4 mm ² | Wire cross-section, solid, min. | 0.5 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 4 mm ² | Wire connection cross section, finely stranded, max. | 4 mm ² |
| Wire connection cross section, finely stranded, min. | 0.5 mm ² | Conductor cross-section, max. | 4 mm ² |
| Conductor cross-section, min. | 0.5 mm ² | Basic material | Copper alloy |
| BG | 6 | | |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC000438 | ETIM 9.0 | EC000438 |
| ETIM 10.0 | EC000438 | ECLASS 14.0 | 27-44-02-05 |
| ECLASS 15.0 | 27-44-02-05 | | |

Drawings



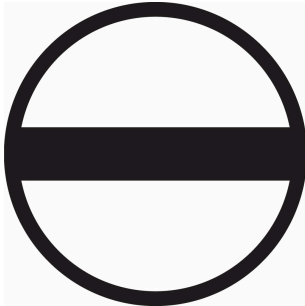
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Accessories

Slotted screwdriver



VDE insulated slot-head screwdriver, SDI DIN 7437, ISO 2380/2, drive output acc. to DIN 5264, ISO 2380/1. SoftFinish grip

General ordering data

| | | |
|------------|----------------------------|--------------------------|
| Type | SDIS 0.6X3.5X100 | Version |
| Order No. | 9008390000 | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056354 | |
| Qty. | 1 ST | |
| Type | SDS 0.6X3.5X100 | Version |
| Order No. | 9008330000 | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056286 | |
| Qty. | 1 ST | |
| Type | SDIS 0.8X4.0X100 | Version |
| Order No. | 9008400000 | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056361 | |
| Qty. | 1 ST | |
| Type | SDS 0.8X4.0X100 | Version |
| Order No. | 9008340000 | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056293 | |
| 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 | Version |
| Order No. | 9008570000 | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056569 | |
| Qty. | 1 ST | |
| Type | SDK PH1 | Version |
| Order No. | 9008480000 | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056477 | |
| Qty. | 1 ST | |

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Accessories

Crimping tools



Crimping tools for turned contacts

- Ratchet guarantees precise crimping
- Release option in the event of incorrect operation
- With stop for exact positioning of the contacts.

General ordering data

| | | |
|------------|----------------------------|---|
| Type | CTX CM 1.6/2.5 | Version |
| Order No. | 9018490000 | Pressing tool, Crimping tool for contacts, 0.14mm ² , 4mm ² , W crimp |
| GTIN (EAN) | 4008190884598 | |
| Qty. | 1 ST | |

| | | |
|------------|----------------------------|--|
| Type | CTIN CM 1.6/2.5 | Version |
| Order No. | 9205430000 | Pressing tool, Crimping tool for contacts, 0.14mm ² , 6mm ² , 4-indent crimp |
| GTIN (EAN) | 4032248733446 | |
| Qty. | 1 ST | |

Contact removal tools



Weidmüller offers a variety of crimping tools, contact removal tools, and fibre optic tools.

General ordering data

| | | |
|------------|----------------------------|-----------------------------|
| Type | REMOVAL TOOL HE | Version |
| Order No. | 1866750000 | Tools, Contact Removal Tool |
| GTIN (EAN) | 4032248437078 | |
| Qty. | 1 ST | |

HE

Various accessories are available for our inserts. This includes coding elements for the inserts.



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Accessories

General ordering data

| | | | |
|------------|----------------------------|---|--|
| Type | HDC HE CP | Version | |
| Order No. | 1003240000 | Heavy-duty connectors, Accessories, Coding System | |
| GTIN (EAN) | 4032248698233 | | |
| Qty. | 100 ST | | |

Crimp contacts HE



Crimps provide a electrical and mechanical connection between wire and contact that is both secure and reliable. The optimal crimp connection is gas-tight and corrosion-resistant.

General ordering data

| | | | |
|------------|----------------------------|--|--|
| Type | HDC-C-HE-BM0.5AG | Version | |
| Order No. | 1201100000 | Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate, Female, Conductor cross-section, max.: 0.5, turned, Copper alloy | |
| GTIN (EAN) | 4008190142698 | | |
| Qty. | 100 ST | | |
| Type | HDC-C-HE-BM0.75-1.00AG | Version | |
| Order No. | 1201200000 | Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate, Female, Conductor cross-section, max.: 1, turned, Copper alloy | |
| GTIN (EAN) | 4008190044480 | | |
| Qty. | 100 ST | | |
| Type | HDC-C-HE-BM1.5AG | Version | |
| Order No. | 1201300000 | Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate, Female, Conductor cross-section, max.: 1.5, turned, Copper alloy | |
| GTIN (EAN) | 4008190100346 | | |
| Qty. | 100 ST | | |
| Type | HDC-C-HE-BM2.5AG | Version | |
| Order No. | 1201400000 | Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate, Female, Conductor cross-section, max.: 2.5, turned, Copper alloy | |
| GTIN (EAN) | 4008190047078 | | |
| Qty. | 100 ST | | |
| Type | HDC-C-HE-BM4.0AG | Version | |
| Order No. | 1201500000 | Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate, Female, Conductor cross-section, max.: 4, turned, Copper alloy | |
| GTIN (EAN) | 4008190148096 | | |
| Qty. | 100 ST | | |
| Type | HDC-C-HE-BM0.5AU | Version | |
| Order No. | 1651470000 | Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate, Female, Conductor cross-section, max.: 0.5, turned, Copper alloy | |
| GTIN (EAN) | 4008190400149 | | |
| Qty. | 100 ST | | |
| Type | HDC-C-HE-BM0.75-1.00AU | Version | |
| Order No. | 1651480000 | Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate, Female, Conductor cross-section, max.: 1, turned, Copper alloy | |
| GTIN (EAN) | 4008190400156 | | |
| Qty. | 100 ST | | |
| Type | HDC-C-HE-BM1.5AU | Version | |
| Order No. | 1651490000 | Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate, Female, Conductor cross-section, max.: 1.5, turned, Copper alloy | |
| GTIN (EAN) | 4008190400163 | | |
| Qty. | 100 ST | | |

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Accessories

| | | |
|------------|----------------------------|--|
| Type | HDC-C-HE-BM2.5AU | Version |
| Order No. | 1651500000 | Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate, |
| GTIN (EAN) | 4008190400170 | Female, Conductor cross-section, max.: 2.5, turned, Copper alloy |
| Qty. | 100 ST | |
| Type | HDC-C-HE-BM4.0AU | Version |
| Order No. | 1651510000 | Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate, |
| GTIN (EAN) | 4008190400187 | Female, Conductor cross-section, max.: 4, turned, Copper alloy |
| Qty. | 100 ST | |

DSTV

Various accessories are available for our inserts. This includes coding elements for the inserts.



General ordering data

| | | |
|------------|----------------------------|--|
| Type | DSTV COBU5 | Version |
| Order No. | 1471500000 | Heavy-duty connectors, Accessories, Coding element |
| GTIN (EAN) | 4008190178543 | |
| Qty. | 100 ST | |
| Type | DSTV COST4 | Version |
| Order No. | 1471300000 | Heavy-duty connectors, Accessories, Coding System |
| GTIN (EAN) | 4008190017354 | |
| Qty. | 100 ST | |