

HDC HEE 18 MP**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



The HEE series features high-density contacts and is designed based on the established HE inserts. The wire connection level is designed as a PUSH IN contact.

Number of poles: 10 - 64

Rated current: 16 A

Rated voltage: 500 V

General ordering data

| | |
|------------|---|
| Version | HDC insert, Male, 500 V, 16 A, Number of poles: 18, PUSH IN, Installation size: 4 |
| Order No. | 3023920000 |
| Type | HDC HEE 18 MP |
| GTIN (EAN) | 4099986946507 |
| Qty. | 1 items |

HDC HEE 18 MP

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Technical data

Approvals

Approvals



| | |
|-------------------------|----------------------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate No. (cURus) | E310075 |

Dimensions and weights

| | | | |
|------------|---------|-----------------|-------------|
| Depth | 64 mm | Depth (inches) | 2.5197 inch |
| Height | 33.2 mm | Height (inches) | 1.3071 inch |
| Width | 34 mm | Width (inches) | 1.3386 inch |
| Length | 64 mm | Length (inches) | 2.5197 inch |
| Net weight | 100 g | | |

Temperatures

| | |
|-------------------|-------------------|
| Limit temperature | -40 °C ... 125 °C |
|-------------------|-------------------|

Environmental Product Compliance

| | | |
|------------------------|-----------------------------|---------------------------|
| RoHS Compliance Status | Compliant without exemption | |
| REACH SVHC | No SVHC above 0.1 wt% | |
| 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 | Height of socket | 36 mm |
|-------|-------|------------------|-------|

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General data

| | | | |
|-----------------------------------|-------------|--------------------------------------|---|
| Number of poles | 18 | Plugging cycles, silver | ≥ 500 |
| Plugging cycles, gold | ≥ 500 | Type of connection | PUSH IN |
| Installation size | 4 | 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 | 2.5 mm ² |
| Type | Male | Surge voltage category | III |
| Pollution severity | 3 | Basic material | Copper alloy |
| Series | HEE | 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 voltage conductor-PE (III/3) | 500 V |
| Free from halogens | true | Low smoke acc. DIN EN 45545-2 | Yes |
| BG | 4 | | |

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 | 1.2 Nm |
| Tightening torque, min. PE connection | 0.8 Nm | Fixing screw | M 4 |
| Rated cross-section | 2.5 mm ² | Wire cross section, AWG (PE), min. | AWG 20 |
| Wire cross section, AWG (PE), max. | AWG 12 | | |

Power contact

| | |
|---|------|
| Rated current (DIN EN 61984), power contact | 16 A |
|---|------|

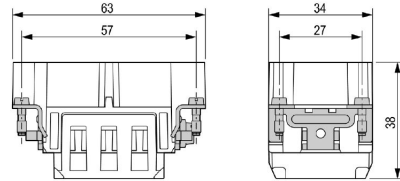
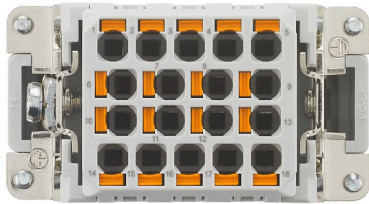
Version

| | | | |
|-------------------------------|---------------------|-------------------------------|---------------------|
| Type of connection | PUSH IN | Installation size | 4 |
| Volume resistance | ≤2 mΩ | Conductor cross-section, max. | 2.5 mm ² |
| Conductor cross-section, min. | 0.5 mm ² | Basic material | Copper alloy |
| BG | 4 | | |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC000438 | ETIM 7.0 | EC000438 |
| ETIM 8.0 | EC000438 | ETIM 9.0 | EC000438 |
| ETIM 10.0 | EC000438 | ECLASS 9.0 | 27-44-02-05 |
| ECLASS 9.1 | 27-44-02-05 | ECLASS 10.0 | 27-44-02-05 |
| ECLASS 11.0 | 27-44-02-05 | ECLASS 12.0 | 27-44-02-05 |
| ECLASS 13.0 | 27-44-02-05 | ECLASS 14.0 | 27-44-02-05 |
| ECLASS 15.0 | 27-44-02-05 | | |

Drawings



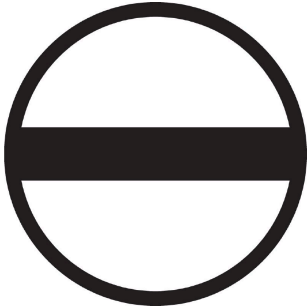
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Accessories

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 0.4X2.5X75 | Version |
| Order No. | 9008370000 | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056330 | |
| Qty. | 1 ST | |
| Type | SDS 0.4X2.5X75 | Version |
| Order No. | 9009030000 | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248266944 | |
| Qty. | 1 ST | |
| 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

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Accessories

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 | |

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 | |

Size 4



The HEE series features high-density contacts and is designed based on the established HE inserts. The wire connection level is designed as a PUSH IN contact.
 Number of poles: 10 - 64
 Rated current: 16 A
 Rated voltage: 500 V

General ordering data

| | | |
|------------|----------------------------|--|
| Type | HDC HEE 18 FP | Version |
| Order No. | 3023940000 | HDC insert, Female, 500 V, 16 A, Number of poles: 18, PUSH IN, |
| GTIN (EAN) | 4099986946521 | Installation size: 4 |
| Qty. | 1 ST | |