

HDC HA 4 MS**Weidmüller Interface GmbH & Co. KG**Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



The small and slim HA series can be used wherever space is limited.

The wire connection level is designed for screw connections.

Pole count: 3 - 4

Rated current: 16 A

Rated voltage: 400 V

Rated voltage acc. to UL/CSA: 600 V AC/DC

General ordering data

| | |
|------------|---|
| Version | HDC insert, Male, 400 V, 16 A, Number of poles: 4, Screw connection, Installation size: 1 |
| Order No. | 1498300000 |
| Type | HDC HA 4 MS |
| GTIN (EAN) | 4008 19000647 1 |
| Qty. | 1 items |

Technical data

Approvals

Approvals



| | |
|-------------------------|----------------------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate No. (cURus) | E92202 |

Dimensions and weights

| | | | |
|------------|---------|-----------------|-------------|
| Depth | 21 mm | Depth (inches) | 0.8268 inch |
| Height | 36.5 mm | Height (inches) | 1.437 inch |
| Width | 21 mm | Width (inches) | 0.8268 inch |
| Net weight | 20 g | | |

Temperatures

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

Environmental Product Compliance

| | |
|--------------------------------------|--|
| RoHS Compliance Status | Compliant with exemption |
| RoHS Exemption (if applicable/known) | 6c |
| REACH SVHC | Lead 7439-92-1, Potassium perfluorobutane sulfonate 29420-49-3 |
| SCIP | e98b2b24-ba23-41bf-8d19-Odda3647412f |

| | | |
|---------------------|--------------------------|---------------------------|
| 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 | 21 mm |
|-------|-------|

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General data

| | | |
|---------------------------------------|---|--------|
| Number of poles | 4 | |
| Plugging cycles, silver | ≥ 500 | |
| Plugging cycles, gold | ≥ 500 | |
| Type of connection | Screw connection | |
| Installation size | 1 | |
| 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 | |
| Tightening torque, max. PE connection | 0.5 Nm | |
| Surface finish | Silver passivated | |
| Max. torque for main contact | 0.5 Nm | |
| Type | Male | |
| Pollution severity | 3 | |
| Basic material | Copper alloy | |
| Series | HA | |
| Rated voltage (DIN EN 61984) | 400 V | |
| Rated voltage according to UL/CSA | 600 V AC/DC | |
| Rated impulse voltage (DIN EN 61984) | 4 kV | |
| Rated current (DIN EN 61984) | 16 A | |
| Rated current (UR) | Wire connection cross section AWG | AWG 14 |
| | Rated current | 15 A |
| | Wire connection cross section AWG | AWG 16 |
| | Rated current | 12 A |
| | Wire connection cross section AWG | AWG 18 |
| | Rated current | 8 A |
| Rated current (cUR) | Wire connection cross section AWG | AWG 20 |
| | Rated current | 8 A |
| | Wire connection cross section AWG | AWG 14 |
| | Rated current | 15 A |
| | Wire connection cross section AWG | AWG 16 |
| | Rated current | 12 A |
| Rated current (cUR) | Wire connection cross section AWG | AWG 18 |
| | Rated current | 8 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 | 1 | |
| Number of signal contacts | 0 | |
| Number of power contacts | 4 | |

Connection data PE

| | | | |
|------------------------------------|------------------|---------------------------------------|---------------------|
| Connection type PE | Screw connection | Blade size, slotted (PE connection) | SD 0.6 x 3.5 |
| Stripping length PE connection | 15 mm | Tightening torque, max. PE connection | 0.5 Nm |
| Fixing screw | M 3 | Rated cross-section | 2.5 mm ² |
| Wire cross section, AWG (PE), min. | AWG 20 | Wire cross section, AWG (PE), max. | AWG 14 |

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Technical data

Version

| | | | |
|--|---------------------|--|---------------------|
| Blade size, slotted (screw connection) | SD 0.6 x 3.5 | Wire connection cross section AWG, max. | AWG 14 |
| Stripping length, rated connection | 15 mm | Type of connection | Screw connection |
| Installation size | 1 | Volume resistance | ≤2 mΩ |
| Clamping screw | M 3 | Wire connection cross section AWG, min. | AWG 20 |
| Wire cross-section, solid, max. | 2.5 mm ² | Wire cross-section, solid, min. | 0.5 mm ² |
| Wire connection cross section, finely stranded, max. | 2.5 mm ² | Wire connection cross section, finely stranded, min. | 0.5 mm ² |
| Conductor cross-section, max. | 2.5 mm ² | Conductor cross-section, min. | 0.5 mm ² |
| Surface finish | Silver passivated | Max. torque for main contact | 0.5 Nm |
| Basic material | Copper alloy | BG | 1 |

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 | | |

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 0.5X3.0X100 | Version |
| Order No. | 9008380000 | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056347 | |
| Qty. | 1 ST | |
| Type | SDS 0.5X3.0X80 | Version |
| Order No. | 9008320000 | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056262 | |
| 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 | |

Combined screwing and cutting tool "Swifty® CS"

Combined cutting/stripping tool Swifty® CS and Swifty® CS set for crimp-free cutting and stripping of copper cables up to 1.5 mm² solid and 2.5 mm² flexible.

Accessories

General ordering data

| | | | |
|------------|----------------------------|--|--|
| Type | SWIFTY CS SET | Version | |
| Order No. | 9006060000 | Cutting and screwing-tool, Cutting tool for one-hand operation | |
| GTIN (EAN) | 4032248257638 | | |
| Qty. | 1 ST | | |