

**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.  | <a href="#">1498300000</a>  |
| Type       | HDC HA 4 MS   |
| GTIN (EAN) | 4008 19000647 1   |
| Qty.       | 1 items   |

Technical data

Approvals

Approvals



|                         |                            |
|-------------------------|----------------------------|
| ROHS                    | Conform                    |
| UL File Number Search   | <a href="#">UL Website</a> |
| 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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## Technical data

## 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 <sup>2</sup>   |        |
| 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 <sup>2</sup> |
| 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 <sup>2</sup> | Wire cross-section, solid, min.                      | 0.5 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, max. | 2.5 mm <sup>2</sup> | Wire connection cross section, finely stranded, min. | 0.5 mm <sup>2</sup> |
| Conductor cross-section, max.                        | 2.5 mm <sup>2</sup> | Conductor cross-section, min.                        | 0.5 mm <sup>2</sup> |
| 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 |             |             |

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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 0.5X3.0X100           | Version                  |
| Order No.  | <a href="#">9008380000</a> | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056347              |                          |
| Qty.       | 1 ST                       |                          |
| Type       | SDS 0.5X3.0X80             | Version                  |
| Order No.  | <a href="#">9008320000</a> | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056262              |                          |
| Qty.       | 1 ST                       |                          |
| Type       | SDIS 0.6X3.5X100           | Version                  |
| Order No.  | <a href="#">9008390000</a> | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056354              |                          |
| Qty.       | 1 ST                       |                          |
| Type       | SDS 0.6X3.5X100            | Version                  |
| Order No.  | <a href="#">9008330000</a> | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056286              |                          |
| Qty.       | 1 ST                       |                          |
| Type       | SDIS 0.8X4.0X100           | Version                  |
| Order No.  | <a href="#">9008400000</a> | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056361              |                          |
| Qty.       | 1 ST                       |                          |
| Type       | SDS 0.8X4.0X100            | Version                  |
| Order No.  | <a href="#">9008340000</a> | 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 mm<sup>2</sup> solid and 2.5 mm<sup>2</sup> flexible.

## Accessories

### General ordering data

|            |                            |  |  |
|------------|----------------------------|--|--|
| Type       | SWIFTY CS SET              | Version  |  |
| Order No.  | <a href="#">9006060000</a> | Cutting and screwing-tool, Cutting tool for one-hand operation |  |
| GTIN (EAN) | 4032248257638              |  |  |
| Qty.       | 1 ST                       |  |  |