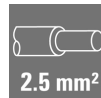


**HDC HA 4 MS****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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

TOP screw connection

**General ordering data**

|            |                                                                              |
|------------|------------------------------------------------------------------------------|
| Version    | HDC insert, Male, 400 V, 16 A, Number of poles: 4, Screw connection, Size: 1 |
| Order No.  | <a href="#">1498300000</a>                                                   |
| Type       | HDC HA 4 MS                                                                  |
| GTIN (EAN) | 4008190006471                                                                |
| Qty.       | 1 pc(s).                                                                     |

## HDC HA 4 MS

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## Technical data

## Dimensions and weights

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 21 mm   | Depth (inches)  | 0.827 inch |
| Height     | 36.5 mm | Height (inches) | 1.437 inch |
| Width      | 21 mm   | Width (inches)  | 0.827 inch |
| Net weight | 20 g    |                 |            |

## Temperatures

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

## Dimensions

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

## General data

|                                      |                                                             |        |
|--------------------------------------|-------------------------------------------------------------|--------|
| BG                                   | 1                                                           |        |
| Colour                               | beige                                                       |        |
| Conductor cross-section              | 2.5 mm <sup>2</sup>                                         |        |
| Free from halogens                   | true                                                        |        |
| Insulating material                  | PC glass-fibre reinforced (UL-listed and railway-certified) |        |
| Insulating material group            | IIIa                                                        |        |
| Insulation strength                  | 10 <sup>10</sup> Ω                                          |        |
| Low smoke acc. DIN EN 45545-2        | Yes                                                         |        |
| Material                             | Copper alloy                                                |        |
| Max. torque for main contact         | 0.5 Nm                                                      |        |
| Number of poles                      | 4                                                           |        |
| Plugging cycles, silver              | ≥ 500                                                       |        |
| Pollution severity                   | 3                                                           |        |
| 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    |
|                                      | Wire connection cross section AWG                           | AWG 20 |
|                                      | Rated current                                               | 8 A    |
| Rated current (cUR)                  | 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    |
|                                      | Wire connection cross section AWG                           | AWG 20 |
|                                      | Rated current                                               | 8 A    |
| Rated impulse voltage (DIN EN 61984) | 4 kV                                                        |        |
| Rated voltage (DIN EN 61984)         | 400 V                                                       |        |
| Rated voltage according to UL/CSA    | 600 V AC/DC                                                 |        |
| Series                               | HA                                                          |        |
| Size                                 | 1                                                           |        |
| Surface finish                       | Silver passivated                                           |        |
| Type                                 | Male                                                        |        |
| Type of connection                   | Screw connection                                            |        |
| UL 94 flammability rating            | V-0                                                         |        |

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## Technical data

Volume resistance  $\leq 2 \text{ m}\Omega$ 

## Connection data PE

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

## Version

|                                                      |                     |                                                      |                          |
|------------------------------------------------------|---------------------|------------------------------------------------------|--------------------------|
| BG                                                   | 1                   | Blade size, slotted (screw connection)               | SD 0.6 x 3.5             |
| Clamping screw                                       | M 3                 | Conductor cross-section, max.                        | 2.5 mm <sup>2</sup>      |
| Conductor cross-section, min.                        | 0.5 mm <sup>2</sup> | Material                                             | Copper alloy             |
| Max. torque for main contact                         | 0.5 Nm              | Size                                                 | 1                        |
| Stripping length, rated connection                   | 15 mm               | Surface finish                                       | Silver passivated        |
| Type of connection                                   | Screw connection    | Volume resistance                                    | $\leq 2 \text{ m}\Omega$ |
| Wire connection cross section AWG, max.              | AWG 14              | Wire connection cross section AWG, min.              | AWG 20                   |
| 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>      |
| Wire cross-section, solid, max.                      | 2.5 mm <sup>2</sup> | Wire cross-section, solid, min.                      | 0.5 mm <sup>2</sup>      |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000438    | ETIM 7.0    | EC000438    |
| ETIM 8.0    | EC000438    | ETIM 9.0    | 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 |             |             |

|                     |                           |
|---------------------|---------------------------|
| 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   |

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|                     |                          |
|---------------------|--------------------------|
| Substance           | Lye, diluted             |
| Chemical resistance | Resistant                |
| Substance           | Hydrochlorofluorocarbons |
| Chemical resistance | Conditionally resistant  |
| Substance           | Outdoor use              |
| Chemical resistance | Conditionally resistant  |

## Environmental Product Compliance

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| REACH SVHC                           | Lead 7439-92-1 Potassium perfluorobutane sulfonate 29420-49-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| SCIP                                 | e98b2b24-ba23-41bf-8d19-Odda3647412f                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Chemical resistance                  | de.myview.objectmodel.impl.BlockImpl@7eb7c3 de.myview.objectmodel.impl.BlockImpl@1050409c<br>de.myview.objectmodel.impl.BlockImpl@4cf5e474 de.myview.objectmodel.impl.BlockImpl@6f89fc31<br>de.myview.objectmodel.impl.BlockImpl@1a3c8eac de.myview.objectmodel.impl.BlockImpl@8fa69d7<br>de.myview.objectmodel.impl.BlockImpl@6bcffaf8 de.myview.objectmodel.impl.BlockImpl@4b07fbc4<br>de.myview.objectmodel.impl.BlockImpl@353055e6 de.myview.objectmodel.impl.BlockImpl@6e5f3646<br>de.myview.objectmodel.impl.BlockImpl@7ad3094f de.myview.objectmodel.impl.BlockImpl@e7e040a |
| RoHS Compliance Status               | Compliant with exemption                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| RoHS Exemption (if applicable/known) | 6c                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## Approvals

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

## Downloads

|                                             |                                                                        |
|---------------------------------------------|------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">Manufacturer's declaration</a>                             |
| Engineering Data                            | <a href="#">CAD data – STEP</a>                                        |
| Engineering Data                            | <a href="#">Zuken E3.S</a>                                             |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                               |
| Brochures                                   | <a href="#">FL FIELDWIRING EN</a><br><a href="#">FL FIELDWIRING EN</a> |