

HDC HSB 6 MS**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



The HSB series enables you to carry 35A per contact simultaneously. Assembled with screw connections, for secure and reliable connections.

The wire connection level is designed as a screw element. All screw connections are equipped with a wire protection spring.

Number of poles: **6**

Rated current: **35 A**

Rated voltage: **400 V**

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

Screw connection

General ordering data

| | |
|------------|--|
| Version | HDC insert, Male, 400 V, 35 A, Number of poles: 6, Screw connection, Size: 6 |
| Order No. | 1498700000 |
| Type | HDC HSB 6 MS |
| GTIN (EAN) | 4008190035136 |
| Qty. | 1 pièce(s) |

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Caractéristiques techniques

Dimensions and weights

| | | | |
|------------|---------|-----------------|------------|
| Depth | 84,5 mm | Depth (inches) | 3,327 inch |
| Height | 34 mm | Height (inches) | 1,339 inch |
| Width | 34 mm | Width (inches) | 1,339 inch |
| Net weight | 71,28 g | | |

Temperatures

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

Dimensions

| | | | |
|----------------|-------|-------------------|---------|
| Height of plug | 34 mm | Total length base | 84,5 mm |
| Width | 34 mm | | |

General data

| | | |
|-------------------------------|---|--------|
| BG | 6 | |
| Colour | beige | |
| Conductor cross-section | 6 mm ² | |
| Free from halogens | true | |
| Insulating material | PC glass-fibre reinforced (UL-listed and railway-certified) | |
| Insulating material group | IIIa | |
| Insulation strength | 10 ¹⁰ Ω | |
| Low smoke acc. DIN EN 45545-2 | Yes | |
| Material | Copper alloy | |
| Max. torque for main contact | 1,5 Nm | |
| Min. torque for main contact | 1,2 Nm | |
| Number of poles | 6 | |
| Plugging cycles, silver | ≥ 500 | |
| Pollution severity | 3 | |
| Rated current (DIN EN 61984) | 35 A | |
| Rated current (UR) | Wire connection cross section AWG | AWG 10 |
| | Rated current | 35 A |
| | Wire connection cross section AWG | AWG 12 |
| | Rated current | 8 A |
| | Wire connection cross section AWG | AWG 14 |
| | Rated current | 8 A |
| | Wire connection cross section AWG | AWG 16 |
| | Rated current | 8 A |
| | Wire connection cross section AWG | AWG 18 |
| | Rated current | 8 A |
| | Wire connection cross section AWG | AWG 20 |
| | Rated current | 8 A |

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|--------------------------------------|-----------------------------------|--------|
| Rated current (cUR) | Wire connection cross section AWG | AWG 10 |
| | Rated current | 8 A |
| | Wire connection cross section AWG | AWG 12 |
| | Rated current | 8 A |
| | Wire connection cross section AWG | AWG 14 |
| | Rated current | 8 A |
| | Wire connection cross section AWG | AWG 16 |
| | Rated current | 8 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) | 6 kV | |
| Rated voltage (DIN EN 61984) | 400 V | |
| Rated voltage according to UL/CSA | 600 V AC/DC | |
| Series | HSB | |
| Size | 6 | |
| Surface finish | Silver passivated | |
| Type | Male | |
| Type of connection | Screw connection | |
| UL 94 flammability rating | V-0 | |
| Volume resistance | ≤2 mΩ | |

Connection data PE

| | | | |
|---------------------------------------|---------|---------------------------------------|-------------------|
| Blade size, slotted (PE connection) | 1 x 5.5 | Connection type PE | Screw connection |
| Fixing screw | M 5 | Rated cross-section | 6 mm ² |
| Stripping length PE connection | 10 mm | Tightening torque, max. PE connection | 2,5 Nm |
| Tightening torque, min. PE connection | 2 Nm | Wire cross section, AWG (PE), max. | AWG 10 |
| Wire cross section, AWG (PE), min. | AWG 20 | | |

Version

| | | | |
|---|-------------------|---|---------------------|
| BG | 6 | Blade size | size PZ 1 |
| Blade size, slotted (screw connection) | SD 0.8 x 4.0 | Clamping screw | M 4 |
| Conductor cross-section, max. | 6 mm ² | Conductor cross-section, min. | 0,5 mm ² |
| Material | Copper alloy | Max. torque for main contact | 1,5 Nm |
| Min. torque for main contact | 1,2 Nm | Size | 6 |
| Stripping length, rated connection | 11 mm | Surface finish | Silver passivated |
| Type of connection | Screw connection | Volume resistance | ≤2 mΩ |
| Wire connection cross section AWG, max. | AWG 10 | Wire connection cross section AWG, min. | AWG 20 |
| Wire connection cross section, finely stranded, max. | 6 mm ² | Wire connection cross section, finely stranded, min. | 0,5 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 6 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0,5 mm ² |
| Wire cross-section, solid, max. | 6 mm ² | Wire cross-section, solid, min. | 0,5 mm ² |

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 | | |

Date de création 26 novembre 2024 15:15:03 CET

Niveau du catalogue 26.11.2024 / Toutes modifications techniques réservées

3

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Caractéristiques techniques

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

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-8d19-0dda3647412f |
| Chemical resistance | de.myview.objectmodel.impl.BlockImpl@63cd0c9b de.myview.objectmodel.impl.BlockImpl@1f5eed32 de.myview.objectmodel.impl.BlockImpl@7b3f132a de.myview.objectmodel.impl.BlockImpl@3913cf53 de.myview.objectmodel.impl.BlockImpl@3231a53e de.myview.objectmodel.impl.BlockImpl@5a6ee937 de.myview.objectmodel.impl.BlockImpl@594b0713 de.myview.objectmodel.impl.BlockImpl@7e05223e de.myview.objectmodel.impl.BlockImpl@41a27095 de.myview.objectmodel.impl.BlockImpl@6ca80ec7 de.myview.objectmodel.impl.BlockImpl@6d5aefde de.myview.objectmodel.impl.BlockImpl@3a993499 |

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Caractéristiques techniques

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E92202

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Dessins