

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

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



For the screw connection, the wire connection level is designed as a screw element. All screw connections are equipped with a wire protection spring (with the exception of size 1).

Number of poles: **6**

Rated current: **24 A**

Rated voltage: **500 V**

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

Screw connection

General ordering data

| | |
|------------|--|
| Version | HDC insert, Male, 500 V, 24 A, Number of poles: 6, Screw connection, Size: 3 |
| Order No. | 1200000000 |
| Type | HDC HE 6 MS |
| GTIN (EAN) | 4008190067564 |
| Qty. | 1 pc(s). |

Creation date July 23, 2024 10:40:24 AM CEST

Catalogue status 23.07.2024 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

| | | | |
|------------|---------|-----------------|------------|
| Depth | 51 mm | Depth (inches) | 2.008 inch |
| Height | 35.7 mm | Height (inches) | 1.406 inch |
| Width | 34 mm | Width (inches) | 1.339 inch |
| Net weight | 49 g | | |

Temperatures

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

Dimensions

| | | | |
|----------------|---------|-------------------|-------|
| Height of plug | 35.7 mm | Total length base | 51 mm |
| Width | 34 mm | | |

General data

| | | |
|--------------------------------------|---|--------|
| BG | 3 | |
| Colour | beige | |
| Conductor cross-section | 2.5 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 | 0.55 Nm | |
| Min. torque for main contact | 0.5 Nm | |
| Number of poles | 6 | |
| Plugging cycles, silver | ≥ 500 | |
| Pollution severity | 3 | |
| Rated current (DIN EN 61984) | 24 A | |
| Rated current (UR) | Wire connection cross section AWG | AWG 12 |
| | Rated current | 20 A |
| | Wire connection cross section AWG | AWG 14 |
| | Rated current | 15 A |
| | Wire connection cross section AWG | AWG 16 |
| | Rated current | 10 A |
| | Wire connection cross section AWG | AWG 18 |
| | Rated current | 7 A |
| Rated current (cUR) | Wire connection cross section AWG | AWG 20 |
| | Rated current | 5 A |
| | Wire connection cross section AWG | AWG 12 |
| | Rated current | 19.7 A |
| | Wire connection cross section AWG | AWG 14 |
| | Rated current | 15 A |
| | Wire connection cross section AWG | AWG 16 |
| | Rated current | 11.3 A |
| | Wire connection cross section AWG | AWG 18 |
| | Rated current | 10.3 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) | 500 V | |
| Rated voltage according to UL/CSA | 600 V AC/DC | |

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Technical data

| | |
|---------------------------|-------------------|
| Series | HE |
| Size | 3 |
| 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) | SD 0.8 x 4.0 | Connection type PE | Screw connection |
| Fixing screw | M 4 | Rated cross-section | 4 mm ² |
| Stripping length PE connection | 10 mm | Tightening torque, max. PE connection | 1.5 Nm |
| Tightening torque, min. PE connection | 1.2 Nm | Wire cross section, AWG (PE), max. | AWG 12 |
| Wire cross section, AWG (PE), min. | AWG 20 | | |

Version

| | | | |
|---|---------------------|--|---------------------|
| BG | 3 | Blade size | size PH1 |
| Blade size, slotted (screw connection) | SD 0.6 x 3.5 | Clamping screw | M 3 |
| Conductor cross-section, max. | 2.5 mm ² | Conductor cross-section, min. | 0.5 mm ² |
| Material | Copper alloy | Max. torque for main contact | 0.55 Nm |
| Min. torque for main contact | 0.5 Nm | Size | 3 |
| Stripping length, rated connection | 9 mm | Surface finish | Silver passivated |
| Type of connection | Screw connection | Volume resistance | ≤2 mΩ |
| 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 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. | 2.5 mm ² | Wire cross-section, solid, max. | 2.5 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 | | |

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

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| 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

| | |
|--------------------------------------|--|
| 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@3e595cf de.myview.objectmodel.impl.BlockImpl@4f317469 de.myview.objectmodel.impl.BlockImpl@179871e4 de.myview.objectmodel.impl.BlockImpl@6e29e843 de.myview.objectmodel.impl.BlockImpl@414d53a4 de.myview.objectmodel.impl.BlockImpl@59be5d8 de.myview.objectmodel.impl.BlockImpl@5158b3de de.myview.objectmodel.impl.BlockImpl@70922246 de.myview.objectmodel.impl.BlockImpl@5be99f83 de.myview.objectmodel.impl.BlockImpl@1060403 de.myview.objectmodel.impl.BlockImpl@155481be de.myview.objectmodel.impl.BlockImpl@74b50140 |
| 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 | Manufacturer's declaration |
| Engineering Data | CAD data – STEP |
| Engineering Data | Zuken E3.S |
| Technical Documentation | 1200000000 HDC HE 06 MS STP Blatt_1.pdf |
| Catalogues | Catalogues in PDF-format |
| Brochures | FL FIELDWIRING EN FL FIELDWIRING EN |

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Drawings

