

**HDC HEEE 40 MC****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

A heavy-duty connector consists of a connector insert and its protective housing. The insert is therefore the heart of the heavy-duty connector. It is responsible for electrical functioning. Connector inserts from Weidmüller are made from high-quality insulation materials, which allow secure transmission of high voltages in a tight space. Moreover, we use only a single type of plastic in our entire product line. This plastic is UL listed, and suitable for railway applications. This allows unlimited world-wide use of the RockStar® connector.

**General ordering data**

|            |  |
|------------|--|
| Version    | HDC insert, Pin, Male, 500 V, 16 A, Number of poles: 40, Crimp connection, Size: 6 |
| Order No.  | <a href="#">1528370000</a>   |
| Type       | HDC HEEE 40 MC   |
| GTIN (EAN) | 4050118374292  |
| Qty.       | 1 pc(s).   |

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## Technical data

## Dimensions and weights

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 84 mm   | Depth (inches)  | 3.307 inch |
| Height     | 34.4 mm | Height (inches) | 1.354 inch |
| Width      | 34 mm   | Width (inches)  | 1.339 inch |
| Net weight | 55.1 g  |                 |            |

## Temperatures

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

## Dimensions

|       |       |
|-------|-------|
| Width | 34 mm |
|-------|-------|

## General data

|                               |           |                                      |                    |
|-------------------------------|-----------|--------------------------------------|--------------------|
| BG                            | 6         | Colour                               | beige              |
| Free from halogens            | true      | Insulating material                  | PC                 |
| Insulating material group     | IIIa      | Insulation strength                  | 10 <sup>10</sup> Ω |
| Low smoke acc. DIN EN 45545-2 | Yes       | Material                             | Copper alloy       |
| Number of poles               | 40        | Plugging cycles, gold                | ≥ 500              |
| Plugging cycles, silver       | ≥ 500     | Pollution severity                   | 3                  |
| Rated current (DIN EN 61984)  | 16 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        |
| Series                        | HEEE      | Size                                 | 6                  |
| Type                          | Pin, Male | Type of connection                   | Crimp connection   |
| UL 94 flammability rating     | V-0       | Volume resistance                    | ≤2 mΩ              |

## Connection data PE

|                    |                  |                                |       |
|--------------------|------------------|--------------------------------|-------|
| Connection type PE | Screw connection | Stripping length PE connection | 10 mm |
|--------------------|------------------|--------------------------------|-------|

## Version

|  |                     |  |                     |
|--|---------------------|--|---------------------|
| BG   | 6                   | Conductor cross-section, max.                        | 4 mm <sup>2</sup>   |
| Conductor cross-section, min.                        | 0.5 mm <sup>2</sup> | Material   | Copper alloy        |
| Size   | 6                   | Stripping length, rated connection                   | 7.5 mm              |
| Type of connection                                   | Crimp connection    | Volume resistance                                    | ≤2 mΩ               |
| Wire connection cross section AWG, max.              | AWG 12              | Wire connection cross section AWG, min.              | AWG 20              |
| Wire connection cross section, finely stranded, max. | 4 mm <sup>2</sup>   | Wire connection cross section, finely stranded, min. | 0.5 mm <sup>2</sup> |
| Wire cross-section, solid, max.                      | 4 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 |

|                     |                 |
|---------------------|-----------------|
| Substance           | Acetone         |
| Chemical resistance | Resistant       |
| Substance           | Ammonia, watery |

Creation date July 5, 2024 4:28:37 AM CEST

Catalogue status 29.06.2024 / We reserve the right to make technical changes.

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## Technical data

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

|                     |   |
|---------------------|---|
| REACH SVHC          | Potassium perfluorobutane sulfonate 29420-49-3  |
| SCIP                | 1609748e-c278-4c9b-b3d1-e6215d2988cd  |
| Chemical resistance | de.myview.objectmodel.impl.BlockImpl@375d8da7 de.myview.objectmodel.impl.BlockImpl@4bf97312<br>de.myview.objectmodel.impl.BlockImpl@bc0eb82 de.myview.objectmodel.impl.BlockImpl@3b91e542<br>de.myview.objectmodel.impl.BlockImpl@607a6722 de.myview.objectmodel.impl.BlockImpl@601bf9dc<br>de.myview.objectmodel.impl.BlockImpl@6c0b82a6 de.myview.objectmodel.impl.BlockImpl@5804c190<br>de.myview.objectmodel.impl.BlockImpl@6b74eec5 de.myview.objectmodel.impl.BlockImpl@549e3f6e<br>de.myview.objectmodel.impl.BlockImpl@64b089e9 de.myview.objectmodel.impl.BlockImpl@1a46dcae |

## Approvals

Approvals



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

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## Technical data

### Downloads

Approval/Certificate/Document of Con-  
formity

[Manufacturer's declaration](#)

Engineering Data

[CAD data – STEP](#)

Product Change Notification

[20200914 Technical change to HDC HEE 4064 INSERTS](#)

Catalogues

[Catalogues in PDF-format](#)

Brochures

[FL FIELDWIRING EN](#)

[FL FIELDWIRING EN](#)

## HDC HEE 40 MC

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## Accessories

## Crosshead screwdriver Phillips



Crosshead screwdriver, Phillips, SDK PH DIN 5262, ISO 8764/2-PH, output to ISO 8764-PH, ChromTop tip, SoftFinish grip

## General ordering data

|            |                            |                          |
|------------|----------------------------|--------------------------|
| Type       | SDK PH1                    | Version                  |
| Order No.  | <a href="#">9008480000</a> | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056477              |                          |
| Qty.       | 1 pc(s).                   |                          |

## Crimp contacts HE



Crimps provide a electrical and mechanical connection between wire and contact that is both secure and reliable. The optimal crimp connection is gas-tight and corrosion-resistant.

## General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | HDC-C-HE-SM1.5AG           | Version   |
| Order No.  | <a href="#">1200700000</a> | Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate, Male, |
| GTIN (EAN) | 4008190074920              | Conductor cross-section, max.: 1.5, turned, Copper alloy          |
| Qty.       | 100 pc(s).                 |   |
| Type       | HDC-C-HE-SM0.75-1.00AG     | Version   |
| Order No.  | <a href="#">1200600000</a> | Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate, Male, |
| GTIN (EAN) | 4008190171308              | Conductor cross-section, max.: 1, turned, Copper alloy            |
| Qty.       | 100 pc(s).                 |   |
| Type       | HDC-C-HE-SM2.5AG           | Version   |
| Order No.  | <a href="#">1200800000</a> | Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate, Male, |
| GTIN (EAN) | 4008190131913              | Conductor cross-section, max.: 2.5, turned, Copper alloy          |
| Qty.       | 100 pc(s).                 |   |
| Type       | HDC-C-HE-SM0.75-1.00AU     | Version   |
| Order No.  | <a href="#">1651430000</a> | Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate, Male, |
| GTIN (EAN) | 4008190400101              | Conductor cross-section, max.: 1, turned, Copper alloy            |
| Qty.       | 100 pc(s).                 |   |
| Type       | HDC-C-HE-SM1.5AU           | Version   |
| Order No.  | <a href="#">1651440000</a> | Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate, Male, |
| GTIN (EAN) | 4008190400118              | Conductor cross-section, max.: 1.5, turned, Copper alloy          |
| Qty.       | 100 pc(s).                 |   |

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## Accessories

|            |                            |   |
|------------|----------------------------|---|
| Type       | HDC-C-HE-SM4.0AG           | Version   |
| Order No.  | <a href="#">1200900000</a> | Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate, Male, |
| GTIN (EAN) | 4008190115906              | Conductor cross-section, max.: 4, turned, Copper alloy            |
| Qty.       | 100 pc(s).                 |   |
| Type       | HDC-C-HE-SM4.0AU           | Version   |
| Order No.  | <a href="#">1651460000</a> | Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate, Male, |
| GTIN (EAN) | 4008190400132              | Conductor cross-section, max.: 4, turned, Copper alloy            |
| Qty.       | 100 pc(s).                 |   |
| Type       | HDC-C-HE-SM2.5AU           | Version   |
| Order No.  | <a href="#">1651450000</a> | Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate, Male, |
| GTIN (EAN) | 4008190400125              | Conductor cross-section, max.: 2.5, turned, Copper alloy          |
| Qty.       | 100 pc(s).                 |   |
| Type       | HDC-C-HE-SM4.65AU          | Version   |
| Order No.  | <a href="#">1116540000</a> | Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate, Male, |
| GTIN (EAN) | 4032248897261              | Conductor cross-section, max.: 4.65, turned, Copper alloy         |
| Qty.       | 100 pc(s).                 |   |
| Type       | HDC-C-HE-SM0.5AG           | Version   |
| Order No.  | <a href="#">1200500000</a> | Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate, Male, |
| GTIN (EAN) | 4008190159627              | Conductor cross-section, max.: 0.5, turned, Copper alloy          |
| Qty.       | 100 pc(s).                 |   |
| Type       | HDC-C-HE-SM0.5AU           | Version   |
| Order No.  | <a href="#">1651420000</a> | Heavy-duty connectors, Crimp contact, HE, HEE, HQ, MixMate, Male, |
| GTIN (EAN) | 4008190400095              | Conductor cross-section, max.: 0.5, turned, Copper alloy          |
| Qty.       | 100 pc(s).                 |   |

## DSTV

Various accessories are available for our inserts. This includes coding elements for the inserts.



## General ordering data

|            |                            |  |
|------------|----------------------------|--|
| Type       | DSTV COBU5                 | Version  |
| Order No.  | <a href="#">1471500000</a> | Heavy-duty connectors, Accessories, Coding element |
| GTIN (EAN) | 4008190178543              |  |
| Qty.       | 100 pc(s).                 |  |
| Type       | DSTV COST4                 | Version  |
| Order No.  | <a href="#">1471300000</a> | Heavy-duty connectors, Accessories, Coding System  |
| GTIN (EAN) | 4008190017354              |  |
| Qty.       | 100 pc(s).                 |  |

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## Accessories

## Crimping tools



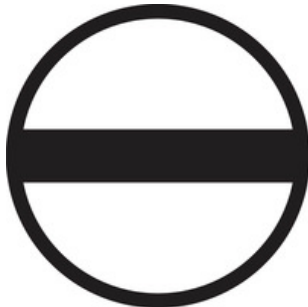
## Crimping tools for turned contacts

- Ratchet guarantees precise crimping
- Release option in the event of incorrect operation
- With stop for exact positioning of the contacts.

## General ordering data

|            |                            |  |
|------------|----------------------------|--|
| Type       | CTIN CM 1.6/2.5            | Version  |
| Order No.  | <a href="#">9205430000</a> | Pressing tool, Crimping tool for contacts, 0.14mm <sup>2</sup> , 6mm <sup>2</sup> , 4-indent |
| GTIN (EAN) | 4032248733446              | crimp  |
| Qty.       | 1 pc(s).                   |  |
| Type       | CTX CM 1.6/2.5             | Version  |
| Order No.  | <a href="#">9018490000</a> | Pressing tool, Crimping tool for contacts, 0.14mm <sup>2</sup> , 4mm <sup>2</sup> , W crimp  |
| GTIN (EAN) | 4008190884598              |  |
| Qty.       | 1 pc(s).                   |  |

## Slotted screwdriver



Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

## General ordering data

|            |                            |                          |
|------------|----------------------------|--------------------------|
| Type       | SDS 0.8X4.0X100            | Version                  |
| Order No.  | <a href="#">9008340000</a> | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056293              |                          |
| Qty.       | 1 pc(s).                   |                          |
| Type       | SDS 0.6X3.5X100            | Version                  |
| Order No.  | <a href="#">9008330000</a> | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056286              |                          |
| Qty.       | 1 pc(s).                   |                          |

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Contact removal tools**

Weidmüller offers a variety of crimping tools, contact removal tools, and fibre optic tools.

**General ordering data**

|            |                            |                             |
|------------|----------------------------|-----------------------------|
| Type       | REMOVAL TOOL HE            | Version                     |
| Order No.  | <a href="#">1866750000</a> | Tools, Contact Removal Tool |
| GTIN (EAN) | 4032248437078              |                             |
| Qty.       | 1 pc(s).                   |                             |

**Crosshead screwdriver Phillips**

VDE insulated crosshead screwdriver, for Phillips screws, SDIK PH DIN 7438, ISO 8764/2-PH, output to ISO 8764-PH, SoftFinish grip

**General ordering data**

|            |                            |                          |
|------------|----------------------------|--------------------------|
| Type       | SDIK PH1                   | Version                  |
| Order No.  | <a href="#">9008570000</a> | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056569              |                          |
| Qty.       | 1 pc(s).                   |                          |



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## Accessories

## HE

Various accessories are available for our inserts. This includes coding elements for the inserts.



## General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | HDC HE CP                  | Version   |
| Order No.  | <a href="#">1003240000</a> | Heavy-duty connectors, Accessories, Coding System |
| GTIN (EAN) | 4032248698233              |   |
| Qty.       | 100 pc(s).                 |   |

## 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 0.8X4.0X100           | Version                  |
| Order No.  | <a href="#">9008400000</a> | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056361              |                          |
| Qty.       | 1 pc(s).                   |                          |

|            |                            |                          |
|------------|----------------------------|--------------------------|
| Type       | SDIS 0.6X3.5X100           | Version                  |
| Order No.  | <a href="#">9008390000</a> | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056354              |                          |
| Qty.       | 1 pc(s).                   |                          |