

**HDC MHX 3/4 FC**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

www.weidmueller.com

**Flexible**

The four module sizes make for individual plug solutions that save a huge amount of space. The smaller pitch translates into an optimised design too.

**General ordering data**

|            |  |
|------------|--|
| Version    | Power module, 500 V, 40 A, Number of poles: 7, Crimp connection, Female, Required plug-in slots: 1 |
| Order No.  | <a href="#">2748370000</a>   |
| Type       | HDC MHX 3/4 FC   |
| GTIN (EAN) | 4050118891010  |
| Qty.       | 5 items  |

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## Technical data

## Approvals

Approvals



|                         |                            |
|-------------------------|----------------------------|
| ROHS                    | Conform                    |
| UL File Number Search   | <a href="#">UL Website</a> |
| Certificate No. (UR)    | E92202                     |
| Certificate No. (cURus) | E310075                    |

## Dimensions and weights

|            |         |                 |             |
|------------|---------|-----------------|-------------|
| Depth      | 34 mm   | Depth (inches)  | 1.3386 inch |
| Height     | 39.1 mm | Height (inches) | 1.5394 inch |
| Width      | 34.2 mm | Width (inches)  | 1.3465 inch |
| Net weight | 9.2 g   |                 |             |

## Temperatures

Limit temperature -40 °C ... 125 °C

## Environmental Product Compliance

|                        |                             |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC             | No SVHC above 0.1 wt%       |

## General data

|                                      |               |                                   |          |
|--------------------------------------|---------------|-----------------------------------|----------|
| Number of poles                      | 7             | UL 94 flammability rating         | V-0      |
| Plugging cycles                      | ≥ 500         | Type                              | Female   |
| Surge voltage category               | III           | Pollution severity                | 3        |
| Basic material                       | Polycarbonate | Series                            | ModuPlug |
| Rated voltage (DIN EN 61984)         | 500 V         | Rated voltage according to UL/CSA | 600 V    |
| Rated impulse voltage (DIN EN 61984) | 8 kV          | Rated current (DIN EN 61984)      | 40 A     |
| Required plug-in slots               | 1             |                                   |          |

## PE connection data

Connection type PE Screw connection via module frame

## Version

|                               |                     |                               |                   |
|-------------------------------|---------------------|-------------------------------|-------------------|
| Type of connection            | Crimp connection    | Conductor cross-section, max. | 6 mm <sup>2</sup> |
| Conductor cross-section, min. | 1.5 mm <sup>2</sup> |                               |                   |

## Power contact

|   |                     |
|---|---------------------|
| Type of connection, power contact           | Crimp connection    |
| Number of poles, performance contact        | 3                   |
| Stripping length, performance contact       | 9 mm                |
| Clamping range, power contact, max.         | 6 mm <sup>2</sup>   |
| Clamping range, power contact, min.         | 1.5 mm <sup>2</sup> |
| Rated voltage (DIN EN 61984), power contact | 500 V               |

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## Technical data

Rated impulse voltage (DIN EN 61984), 8 kV  
power contact

Rated current (DIN EN 61984), power 40 A  
contact

|  |                               |                     |
|--|-------------------------------|---------------------|
| Tightening torque, max. according to the conductor cross-section | Conductor cross-section, min. | 1.5 mm <sup>2</sup> |
|  | Conductor cross-section, max. | 6 mm <sup>2</sup>   |

### Signal contact

|  |                     |  |                      |
|--|---------------------|--|----------------------|
| Type of connection, signal                           | Crimp connection    | Number of poles, signal                      | 4                    |
| Clamping range, signal contact, max.                 | 2.5 mm <sup>2</sup> | Clamping range, signal contact, min.         | 0.14 mm <sup>2</sup> |
| Stripping length, signal                             | 8 mm                | Rated voltage (DIN EN 61984), signal contact | 500 V                |
| Rated impulse voltage (DIN EN 61984), 8 kV<br>signal |                     | Rated current (DIN EN 61984), signal         | 10 A                 |

### Classifications

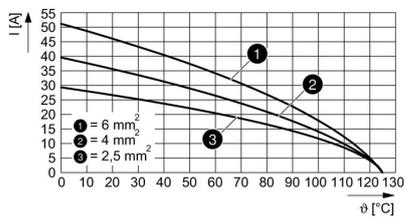
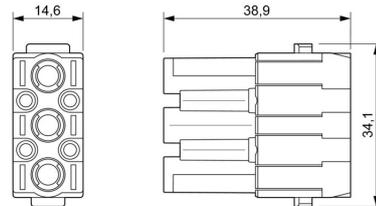
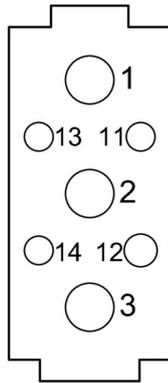
|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC000438    | ETIM 9.0    | EC000438    |
| ETIM 10.0   | EC000438    | ECLASS 14.0 | 27-44-02-17 |
| ECLASS 15.0 | 27-44-02-17 |             |             |

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**Drawings**

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## Accessories

## Crimp contacts HX



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 HX BM1.5AG           | Version  |
| Order No.  | <a href="#">1002950000</a> | Heavy-duty connectors, Crimp contact, MixMate, Female, Conductor |
| GTIN (EAN) | 4032248697236              | cross-section, max.: 1.5, turned, Copper alloy                   |
| Qty.       | 25 ST                      |  |
| Type       | HDC C HX BM2.5AG           | Version  |
| Order No.  | <a href="#">1002960000</a> | Heavy-duty connectors, Crimp contact, MixMate, Female, Conductor |
| GTIN (EAN) | 4032248697243              | cross-section, max.: 2.5, turned, Copper alloy                   |
| Qty.       | 25 ST                      |  |
| Type       | HDC C HX BM4.0AG           | Version  |
| Order No.  | <a href="#">1002970000</a> | Heavy-duty connectors, Crimp contact, HQ, MixMate, Female,       |
| GTIN (EAN) | 4032248697250              | Conductor cross-section, max.: 4, turned, Copper alloy           |
| Qty.       | 25 ST                      |  |
| Type       | HDC C HX BM6.0AG           | Version  |
| Order No.  | <a href="#">1002980000</a> | Heavy-duty connectors, Crimp contact, MixMate, Female, Conductor |
| GTIN (EAN) | 4032248697267              | cross-section, max.: 6, turned, Copper alloy                     |
| Qty.       | 25 ST                      |  |

## Crimp contacts HD



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-HD-BM0.14-0.37AG     | Version   |
| Order No.  | <a href="#">1651570000</a> | Heavy-duty connectors, Crimp contact, HD, HDD, HQ, MixMate,       |
| GTIN (EAN) | 4008190400248              | Female, Conductor cross-section, max.: 0.37, turned, Copper alloy |
| Qty.       | 100 ST                     |   |
| Type       | HDC-C-HD-BM0.14-0.37AU     | Version   |
| Order No.  | <a href="#">1651670000</a> | Heavy-duty connectors, Crimp contact, HD, HDD, HQ, MixMate,       |
| GTIN (EAN) | 4008190400347              | Female, Conductor cross-section, max.: 0.37, turned, Copper alloy |
| Qty.       | 100 ST                     |   |

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## Accessories

|            |                            |  |
|------------|----------------------------|--|
| Type       | HDC-C-HD-BM0.5AG           | Version  |
| Order No.  | <a href="#">1651580000</a> | Heavy-duty connectors, Crimp contact, HD, HDD, HQ, MixMate,      |
| GTIN (EAN) | 4008190400255              | Female, Conductor cross-section, max.: 0.5, turned, Copper alloy |
| Qty.       | 100 ST                     |  |
| Type       | HDC-C-HD-BM0.5AU           | Version  |
| Order No.  | <a href="#">1651680000</a> | Heavy-duty connectors, Crimp contact, HD, HDD, HQ, MixMate,      |
| GTIN (EAN) | 4008190400354              | Female, Conductor cross-section, max.: 0.5, turned, Copper alloy |
| Qty.       | 100 ST                     |  |
| Type       | HDC-C-HD-BM0.75-1.00AG     | Version  |
| Order No.  | <a href="#">1601760000</a> | Heavy-duty connectors, Crimp contact, HD, HDD, HQ, MixMate,      |
| GTIN (EAN) | 4008190158354              | Female, Conductor cross-section, max.: 1, turned, Copper alloy   |
| Qty.       | 100 ST                     |  |
| Type       | HDC-C-HD-BM0.75-1.00AU     | Version  |
| Order No.  | <a href="#">1651690000</a> | Heavy-duty connectors, Crimp contact, HD, HDD, HQ, MixMate,      |
| GTIN (EAN) | 4008190400361              | Female, Conductor cross-section, max.: 1, turned, Copper alloy   |
| Qty.       | 100 ST                     |  |
| Type       | HDC-C-HD-BM1.5AG           | Version  |
| Order No.  | <a href="#">1651600000</a> | Heavy-duty connectors, Crimp contact, HD, HDD, HQ, MixMate,      |
| GTIN (EAN) | 4008190400279              | Female, Conductor cross-section, max.: 1.5, turned, Copper alloy |
| Qty.       | 100 ST                     |  |
| Type       | HDC-C-HD-BM1.5AU           | Version  |
| Order No.  | <a href="#">1651700000</a> | Heavy-duty connectors, Crimp contact, HD, HDD, HQ, MixMate,      |
| GTIN (EAN) | 4008190400378              | Female, Conductor cross-section, max.: 1.5, turned, Copper alloy |
| Qty.       | 100 ST                     |  |
| Type       | HDC-C-HD-BM2.5AG           | Version  |
| Order No.  | <a href="#">1651610000</a> | Heavy-duty connectors, Crimp contact, HD, HDD, HQ, MixMate,      |
| GTIN (EAN) | 4008190400286              | Female, Conductor cross-section, max.: 2.5, turned, Copper alloy |
| Qty.       | 100 ST                     |  |
| Type       | HDC-C-HD-BM2.5AU           | Version  |
| Order No.  | <a href="#">1651710000</a> | Heavy-duty connectors, Crimp contact, HD, HDD, HQ, MixMate,      |
| GTIN (EAN) | 4008190400385              | Female, Conductor cross-section, max.: 2.5, turned, Copper alloy |
| Qty.       | 100 ST                     |  |

## Standard



## General ordering data

|            |                            |         |
|------------|----------------------------|---------|
| Type       | HDC MF 6B AB               | Version |
| Order No.  | <a href="#">1428920000</a> | Frame   |
| GTIN (EAN) | 4050118233414              |         |
| Qty.       | 1 ST                       |         |

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## Accessories

|            |                            |         |
|------------|----------------------------|---------|
| Type       | HDC MF 6B BA               | Version |
| Order No.  | <a href="#">1428940000</a> | Frame   |
| GTIN (EAN) | 4050118233353              |         |
| Qty.       | 1 ST                       |         |
| Type       | HDC MF 10B AC              | Version |
| Order No.  | <a href="#">1428960000</a> | Frame   |
| GTIN (EAN) | 4050118233223              |         |
| Qty.       | 1 ST                       |         |
| Type       | HDC MF 10B CA              | Version |
| Order No.  | <a href="#">1428980000</a> | Frame   |
| GTIN (EAN) | 4050118233278              |         |
| Qty.       | 1 ST                       |         |
| Type       | HDC MF 16B AD              | Version |
| Order No.  | <a href="#">1429010000</a> | Frame   |
| GTIN (EAN) | 4050118233315              |         |
| Qty.       | 1 ST                       |         |
| Type       | HDC MF 16B DA              | Version |
| Order No.  | <a href="#">1429030000</a> | Frame   |
| GTIN (EAN) | 4050118233407              |         |
| Qty.       | 1 ST                       |         |
| Type       | HDC MF 24B AF              | Version |
| Order No.  | <a href="#">1429050000</a> | Frame   |
| GTIN (EAN) | 4050118233285              |         |
| Qty.       | 1 ST                       |         |
| Type       | HDC MF 24B FA              | Version |
| Order No.  | <a href="#">1429070000</a> | Frame   |
| GTIN (EAN) | 4050118233520              |         |
| Qty.       | 1 ST                       |         |

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## Counterpart

### Electrical modules



#### Flexible

The four module sizes make for individual plug solutions that save a huge amount of space. The smaller pitch translates into an optimised design too.

### General ordering data

|            |                            |  |  |
|------------|----------------------------|--|--|
| Type       | HDC MHX 3/4 MC             | Version  |  |
| Order No.  | <a href="#">2748360000</a> | Power module, 500 V, 40 A, Number of poles: 7, Crimp connection, |  |
| GTIN (EAN) | 4050118890976              | Male, Required plug-in slots: 1                                  |  |
| Qty.       | 5 ST                       |  |  |