

HDC MHX 4P 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, 830 V, 40 A, Number of poles: 4, Crimp connection, Female, Required plug-in slots: 1 |
| Order No. | 1428970000 |
| Type | HDC MHX 4P FC |
| GTIN (EAN) | 4050118233308 |
| Qty. | 1 items |

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E92202

Dimensions and weights

| | | | |
|------------|---------|-----------------|-------------|
| Depth | 34 mm | Depth (inches) | 1.3386 inch |
| Height | 44 mm | Height (inches) | 1.7323 inch |
| Width | 14.5 mm | Width (inches) | 0.5709 inch |
| Net weight | 9.58 g | | |

Temperatures

Limit temperature -40 °C ... 125 °C

Environmental Product Compliance

| | |
|------------------------|--|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC | Potassium perfluorobutane sulfonate 29420-49-3 |
| SCIP | 1609748e-c278-4c9b-b3d1-e6215d2988cd |

General data

| | | | |
|-----------------------------------|----------|--------------------------------------|---------------------------------------|
| Number of poles | 4 | UL 94 flammability rating | V-0 |
| Insulation resistance | 1012 Ω | Plugging cycles | ≥ 500 |
| Type | Female | Surge voltage category | III |
| Pollution severity | 3 | Basic material | Polycarbonate, glass fibre reinforced |
| Series | ModuPlug | Rated voltage (DIN EN 61984) | 830 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

| | | | |
|---|-------------------|---|---------------------|
| Wire connection cross section AWG, max. | AWG 10 | Stripping length, rated connection | 8 mm |
| Type of connection | Crimp connection | Wire connection cross section AWG, min. | AWG 16 |
| Conductor cross-section, max. | 6 mm ² | Conductor cross-section, min. | 1.5 mm ² |

Classifications

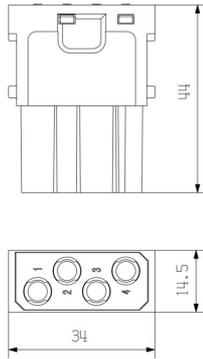
| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC000438 | ETIM 9.0 | EC000438 |
| ETIM 10.0 | EC000438 | ECLASS 14.0 | 27-44-02-17 |
| ECLASS 15.0 | 27-44-02-17 | | |

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Drawings

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HDC-ModuPlug - HDC-MHX 4P - Module im IP65-Gehäuse / H07V-K6,0 / 8 bzw. 24 Pole

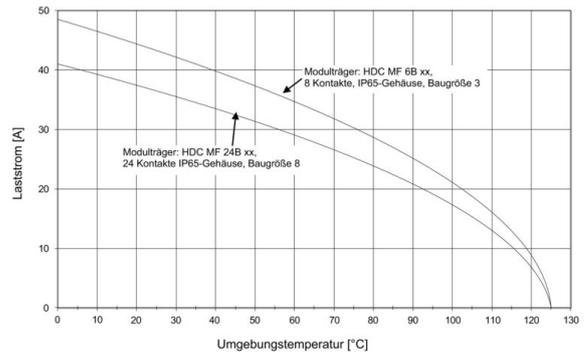


Abb. 006-04-03. Deratingkurve HDC-MHX 4P-Module im IP65-Gehäuse, Leiter H07V-K6,0

HDC-ModuPlug - HDC-MHX 4 P - Module im IP65-Gehäuse / H07V-K1,5 / 8 bzw. 24 Pole

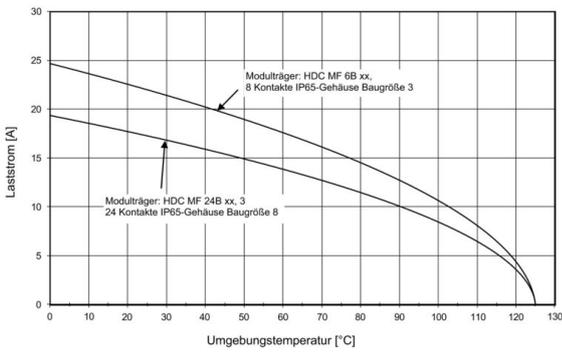


Abb. 006-04-02. Deratingkurve HDC-MHX 4P-Module im IP65-Gehäuse, Leiter H05V-K0,5

HDC-ModuPlug - HDC-MHX 4 P - modules in the IP65-housing / H07V-K1,5 / 8 or. 24 poles

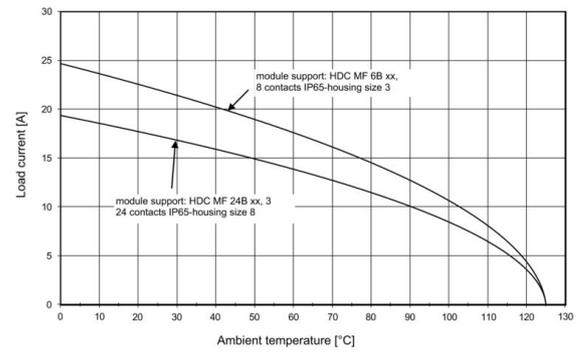


Illustration 006-04-02. derating curve HDC-MHX 4P-modules in the IP65-housing, conductor H05V-K0,5

HDC-ModuPlug - HDC-MHX 4P - modules in the IP65-housing / H07V-K6,0 / 8 or. 24 poles

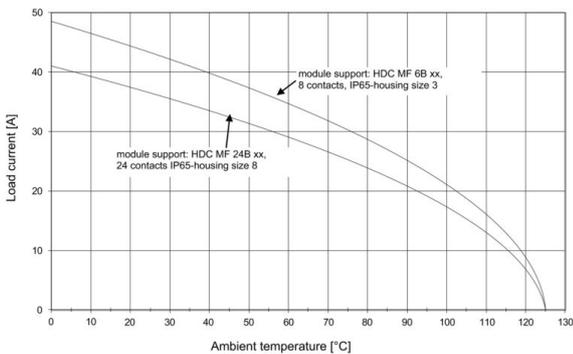


Illustration 006-04-03. derating curve HDC-MHX 4P-modules in the IP65-housing, conductor H07V-K6,0

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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. | 1002950000 | 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. | 1002960000 | 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. | 1002970000 | 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. | 1002980000 | Heavy-duty connectors, Crimp contact, MixMate, Female, Conductor |
| GTIN (EAN) | 4032248697267 | cross-section, max.: 6, turned, Copper alloy |
| Qty. | 25 ST | |

Standard



General ordering data

| | | |
|------------|----------------------------|---------|
| Type | HDC MF 6B AB | Version |
| Order No. | 1428920000 | Frame |
| GTIN (EAN) | 4050118233414 | |
| Qty. | 1 ST | |
| Type | HDC MF 6B BA | Version |
| Order No. | 1428940000 | Frame |
| GTIN (EAN) | 4050118233353 | |
| Qty. | 1 ST | |

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Accessories

| | | |
|------------|----------------------------|---------|
| Type | HDC MF 10B AC | Version |
| Order No. | 1428960000 | Frame |
| GTIN (EAN) | 4050118233223 | |
| Qty. | 1 ST | |
| Type | HDC MF 10B CA | Version |
| Order No. | 1428980000 | Frame |
| GTIN (EAN) | 4050118233278 | |
| Qty. | 1 ST | |
| Type | HDC MF 16B AD | Version |
| Order No. | 1429010000 | Frame |
| GTIN (EAN) | 4050118233315 | |
| Qty. | 1 ST | |
| Type | HDC MF 16B DA | Version |
| Order No. | 1429030000 | Frame |
| GTIN (EAN) | 4050118233407 | |
| Qty. | 1 ST | |
| Type | HDC MF 24B AF | Version |
| Order No. | 1429050000 | Frame |
| GTIN (EAN) | 4050118233285 | |
| Qty. | 1 ST | |
| Type | HDC MF 24B FA | Version |
| Order No. | 1429070000 | 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 4P MC | Version | |
| Order No. | 1428950000 | Power module, 830 V, 40 A, Number of poles: 4, Crimp connection, | |
| GTIN (EAN) | 4050118233339 | Pin, Required plug-in slots: 1 | |
| Qty. | 1 ST | | |