

**HDC MHP 100 MAS****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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, 1000 V, 100 A, Number of poles: 2, Axial screw connection, Male, Required plug-in slots: 2 |
| Order No.  | <a href="#">2748280000</a>                                                                               |
| Type       | HDC MHP 100 MAS                                                                                          |
| GTIN (EAN) | 4050118891034                                                                                            |
| Qty.       | 2 pc(s).                                                                                                 |

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## Technical data

## Dimensions and weights

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 34 mm   | Depth (inches)  | 1.339 inch |
| Height     | 49 mm   | Height (inches) | 1.929 inch |
| Width      | 34.2 mm | Width (inches)  | 1.346 inch |
| Net weight | 24.9 g  |                 |            |

## Temperatures

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

## General data

|                                      |               |                              |               |
|--------------------------------------|---------------|------------------------------|---------------|
| Insulating material                  | Polycarbonate | Material                     | Polycarbonate |
| Number of poles                      | 2             | Plugging cycles              | ≥ 500         |
| Pollution severity                   | 3             | Rated current (DIN EN 61984) | 100 A         |
| Rated impulse voltage (DIN EN 61984) | 8 kV          | Rated voltage (DIN EN 61984) | 1,000 V       |
| Rated voltage according to UL/CSA    | 600 V         | Required plug-in slots       | 2             |
| Series                               | ModuPlug      | Surge voltage category       | III           |
| Type                                 | Male          | UL 94 flammability rating    | V-0           |

## Version

|                                         |                        |                                         |                    |
|-----------------------------------------|------------------------|-----------------------------------------|--------------------|
| Conductor cross-section, max.           | 35 mm <sup>2</sup>     | Conductor cross-section, min.           | 10 mm <sup>2</sup> |
| Type of connection                      | Axial screw connection | Wire connection cross section AWG, max. | AWG 2              |
| Wire connection cross section AWG, min. | AWG 8                  |                                         |                    |

## Power contact

|                                                                  |                               |                    |  |
|------------------------------------------------------------------|-------------------------------|--------------------|--|
| Clamping range, power contact, max.                              | 35 mm <sup>2</sup>            |                    |  |
| Clamping range, power contact, min.                              | 10 mm <sup>2</sup>            |                    |  |
| Stripping length according to the cable diameter                 | Cable diameter, max.          | 9 mm               |  |
|                                                                  | Stripping length              | 14 mm              |  |
|                                                                  | Cable diameter, max.          | 11.5 mm            |  |
|                                                                  | Stripping length              | 16 mm              |  |
| Tightening torque, max. according to the conductor cross-section | Conductor cross-section, min. | 10 mm <sup>2</sup> |  |
|                                                                  | Conductor cross-section, max. | 16 mm <sup>2</sup> |  |
|                                                                  | Tightening torque, max.       | 6 Nm               |  |
|                                                                  | Conductor cross-section, max. | 25 mm <sup>2</sup> |  |
|                                                                  | Tightening torque, max.       | 7 Nm               |  |
|                                                                  | Conductor cross-section, max. | 35 mm <sup>2</sup> |  |
|                                                                  | Tightening torque, max.       | 8 Nm               |  |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002312    | ETIM 7.0    | EC002312    |
| ETIM 8.0    | EC000438    | ETIM 9.0    | EC000438    |
| ETIM 10.0   | EC000438    | ECLASS 9.0  | 27-44-02-92 |
| ECLASS 9.1  | 27-44-02-18 | ECLASS 10.0 | 27-44-02-92 |
| ECLASS 11.0 | 27-44-02-92 | ECLASS 12.0 | 27-44-02-92 |
| ECLASS 13.0 | 27-44-02-92 | ECLASS 14.0 | 27-44-02-92 |
| ECLASS 15.0 | 27-44-02-92 |             |             |

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[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Environmental Product Compliance**

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| RoHS Compliance Status               | Compliant with exemption             |
| RoHS Exemption (if applicable/known) | 6c                                   |
| REACH SVHC                           | Lead 7439-92-1                       |
| SCIP                                 | fa505316-3e43-4ad0-930c-360dfdbe182a |

**Approvals**

Approvals



|                 |                                                                                                                                                                             |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319226/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319226/-T1z1mm-S800/</a> |
| ROHS            | Conform                                                                                                                                                                     |

**Downloads**

|                                             |                                            |
|---------------------------------------------|--------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">Manufacturer's declaration</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>            |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>   |

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## Drawings

