

**HDC CM 1 FS +PE****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

The CM high-current module is a double module and takes up two slots in the ConCept module frame. The wire is attached with a screw connection. The module can be used simply as a two-pole power module or as a combination of a one-pole power module and a one-pole PE module. The modules feature an integrated module release aid. No additional removal tool is needed.

**General ordering data**

|            |                                                   |
|------------|---------------------------------------------------|
| Version    | Heavy-duty connectors, HDC insert, ConCept module |
| Order No.  | <a href="#">1828410000</a>                        |
| Type       | HDC CM 1 FS +PE                                   |
| GTIN (EAN) | 4032248334636                                     |
| Qty.       | 5 pc(s).                                          |

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**Technical data****Dimensions and weights**

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 34 mm   | Depth (inches)  | 1.339 inch |
| Height     | 45 mm   | Height (inches) | 1.772 inch |
| Width      | 22.8 mm | Width (inches)  | 0.898 inch |
| Net weight | 45.2 g  |                 |            |

**ConCept Pneumatic module**

|        |     |                           |     |
|--------|-----|---------------------------|-----|
| Colour | red | UL 94 flammability rating | V-0 |
|--------|-----|---------------------------|-----|

**Dimensions**

|                  |         |                   |       |
|------------------|---------|-------------------|-------|
| Height of socket | 45 mm   | Total length base | 34 mm |
| Width            | 22.8 mm |                   |       |

**General data**

|                               |                            |                                      |                                   |
|-------------------------------|----------------------------|--------------------------------------|-----------------------------------|
| Colour                        | red                        | Free from halogens                   | false                             |
| Insulating material           | Polyamide with fibre optic | Insulation strength                  | 10 <sup>12</sup> Ω                |
| Low smoke acc. DIN EN 45545-2 | Yes                        | Material                             | Polyamide, glass fibre-reinforced |
| Number of poles               | 1                          | Pollution severity                   | 3                                 |
| Rated current (DIN EN 61984)  | 82 A                       | Rated impulse voltage (DIN EN 61984) | 6 kV                              |
| Rated voltage (DIN EN 61984)  | 1,000 V                    | Series                               | ConCept module                    |
| Surge voltage category        | III                        | Type                                 | Female                            |
| Type of connection            | Screw connection           | UL 94 flammability rating            | V-0                               |
| Volume resistance             | ≤1 mΩ                      |                                      |                                   |

**Connection data PE**

|                    |                                                     |
|--------------------|-----------------------------------------------------|
| Connection type PE | Screw connection, Screw connection via module frame |
|--------------------|-----------------------------------------------------|

**Version**

|                                         |                                   |                                         |                    |
|-----------------------------------------|-----------------------------------|-----------------------------------------|--------------------|
| Conductor cross-section, max.           | 25 mm <sup>2</sup>                | Conductor cross-section, min.           | 10 mm <sup>2</sup> |
| Material                                | Polyamide, glass fibre-reinforced | Stripping length, rated connection      | 16 mm              |
| Type of connection                      | Screw connection                  | Volume resistance                       | ≤1 mΩ              |
| Wire connection cross section AWG, max. | AWG 4                             | Wire connection cross section AWG, min. | AWG 8              |

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000438    | ETIM 7.0    | EC000438    |
| ETIM 8.0    | EC000438    | ETIM 9.0    | EC000438    |
| ETIM 10.0   | 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 |
| ECLASS 15.0 | 27-44-02-05 |             |             |

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|                        |                |
|------------------------|----------------|
| RoHS Compliance Status | Compliant      |
| REACH SVHC             | Lead 7439-92-1 |

**Approvals**

|      |         |
|------|---------|
| ROHS | Conform |
|------|---------|

**Downloads**

|                  |                                          |
|------------------|------------------------------------------|
| Engineering Data | <a href="#">CAD data – STEP</a>          |
| Catalogues       | <a href="#">Catalogues in PDF-format</a> |
| Brochures        | <a href="#">FL FIELDWIRING EN</a>        |