# HDC-CM-20SCG

The ConCept system features flexible and all-purpose modules. Depending on the application, you can choose from a wide variety of modules based on your requirements. The modules differ according to electrical specifications and their respective wire connection methods. Any number of combinations can be created with the ever-growing number of modules.

## General ordering data

| | |
|---|---|
| Version | Heavy-duty connectors, HDC insert, ConCept module |
| Order No. | 1682160000 |
| Type | HDC-CM-20SCG |
| GTIN (EAN) | 4008190473891 |
| Qty. | 10 items |

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## HDC-CM-20SCG

## Technical data

### Approvals

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

### Dimensions and weights

| | | | |
|---|---|---|---|
| Length | 34 mm | Length (inches) | 1.3386 inch |
| Net weight | 5.5 g | | |

### Environmental Product Compliance

| | | | |
|---|---|---|---|
| RoHS Compliance Status | Compliant | | |
| REACH SVHC | No SVHC above 0.1 wt% | | |

### ConCept Pneumatic module

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

### Dimensions

| | | | |
|---|---|---|---|
| Total length base | 34 mm | Height of plug | 11.4 mm |

### General data

| | | | |
|---|---|---|---|
| Number of poles | 20 | UL 94 flammability rating | V-0 |
| Volume resistance | ≤4 mΩ | Colour | black |
| Insulation resistance | 1012 Ω | Type | Male |
| Surge voltage category | III | Pollution severity | 3 |
| Basic material | Copper alloy | Series | ConCept module |
| Rated voltage (DIN EN 61984) | 100 V | Rated impulse voltage (DIN EN 61984) | 1.5 kV |
| Rated current (DIN EN 61984) | 4 A | Free from halogens | false |
| Low smoke acc. DIN EN 45545-2 | Yes | | |

### Connection data PE

| | | | |
|---|---|---|---|
| Connection type PE | Crimp connection | | |

### Version

| | | | |
|---|---|---|---|
| Wire connection cross section AWG, max. | AWG 20 | Volume resistance | ≤4 mΩ |
| Conductor cross-section, max. | 0.52 mm² | Conductor cross-section, min. | 0.08 mm² |
| Basic material | Copper alloy | | |

### Classifications

| | | | |
|---|---|---|---|
| ETIM 8.0 | EC000796 | ETIM 9.0 | EC000796 |
| ETIM 10.0 | EC000796 | ECLASS 14.0 | 27-44-02-04 |
| ECLASS 15.0 | 27-44-02-04 | | |

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## Accessories

### Stamped

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-M20-SCG0.08-0.2AU | Version |
|------|-------------------------|---------|
| Order No. | 1682420000 | Heavy-duty connectors, Crimp contact, CM 20, Male, Conductor |
| GTIN (EAN) | 4008190859930 | cross-section, max.: 0.2, punched, Copper alloy |
| Qty. | 500 ST | |
| Type | HDC-C-M20-BCG0.08-0.2AU | Version |
| Order No. | 1682430000 | Heavy-duty connectors, Crimp contact, CM 20, Female, Conductor |
| GTIN (EAN) | 4008190859954 | cross-section, max.: 0.2, punched, Copper alloy |
| Qty. | 500 ST | |
| Type | HDC-C-M20-SCG0.2-0.52AU | Version |
| Order No. | 1682440000 | Heavy-duty connectors, Crimp contact, CM 20, Male, Conductor |
| GTIN (EAN) | 4008190859947 | cross-section, max.: 0.52, punched, Copper alloy |
| Qty. | 500 ST | |
| Type | HDC-C-M20-BCG0.2-0.52AU | Version |
| Order No. | 1682450000 | Heavy-duty connectors, Crimp contact, CM 20, Female, Conductor |
| GTIN (EAN) | 4008190859961 | cross-section, max.: 0.52, punched, Copper alloy |
| Qty. | 500 ST | |

### Contact removal tools

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

### General ordering data

| Type | REMOVAL TOOL CM 20 | Version |
|------|--------------------|---------|
| Order No. | 1866740000 | Tools, Contact Removal Tool |
| GTIN (EAN) | 4032248437061 | |
| Qty. | 1 ST | |