

**HDC HQ 4/2 MC****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

The HQ series - big features in a compact design. The electrical characteristics speak for themselves. You can also use the proven HD and HX crimp contacts here. The wire connection level is designed for crimp contacts. The proven crimp connection has been in standard use for decades.

Crimp contacts are not included in the scope of delivery of inserts.

Pole count: **4/2 (+PE)**

Rated current: **40/10 A**

Rated voltage: **690 / 250 V**

Rated voltage acc. to UL/CSA: **600 V AC/DC**

Crimp connection

**General ordering data**

|            |   |
|------------|---|
| Version    | HDC insert, Male, 690 V, 40 A, Number of poles: 6, Crimp connection, Size: HQ |
| Order No.  | <a href="#">1003170000</a>  |
| Type       | HDC HQ 4/2 MC   |
| GTIN (EAN) | 4032248698165   |
| Qty.       | 1 pc(s).  |

## HDC HQ 4/2 MC

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

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## Technical data

## Dimensions and weights

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 41.6 mm | Depth (inches)  | 1.638 inch |
| Height     | 48 mm   | Height (inches) | 1.89 inch  |
| Width      | 22.4 mm | Width (inches)  | 0.882 inch |
| Net weight | 23 g    |                 |            |

## Temperatures

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

## Dimensions

|                |         |                   |         |
|----------------|---------|-------------------|---------|
| Height of plug | 48 mm   | Total length base | 41.6 mm |
| Width          | 22.4 mm |                   |         |

## General data

|                                      |             |                              |   |
|--------------------------------------|-------------|------------------------------|---|
| BG                                   | HQ          | Colour                       | beige   |
| Free from halogens                   | false       | Insulating material          | PC glass-fibre reinforced (UL-listed and railway-certified) |
| Insulating material group            | IIIa        | Insulation strength          | 10 <sup>10</sup> Ω  |
| Low smoke acc. DIN EN 45545-2        | Yes         | Material                     | Copper alloy  |
| Number of poles                      | 6           | Number of power contacts     | 4   |
| Number of signal contacts            | 2           | Plugging cycles, gold        | ≥ 500   |
| Plugging cycles, silver              | ≥ 500       | Pollution severity           | 3   |
| Power contact, type                  | HX          | Rated current (DIN EN 61984) | 40 A  |
| Rated impulse voltage (DIN EN 61984) | 6 kV        | Rated voltage (DIN EN 61984) | 690 V   |
| Rated voltage according to UL/CSA    | 600 V AC/DC | Series                       | HQ  |
| Signal contact, type                 | HD          | Size                         | HQ  |
| Type                                 | Male        | Type of connection           | Crimp connection  |
| UL 94 flammability rating            | V-0         | Volume resistance            | ≤1 mΩ, ≤4 mΩ  |

## Connection data PE

|                                    |                  |                                    |                   |
|------------------------------------|------------------|------------------------------------|-------------------|
| Connection type PE                 | Crimp connection | Rated cross-section                | 6 mm <sup>2</sup> |
| Stripping length PE connection     | 9 mm             | Wire cross section, AWG (PE), max. | AWG 10            |
| Wire cross section, AWG (PE), min. | AWG 16           |                                    |                   |

## Power contact

|   |                   |   |                     |
|---|-------------------|---|---------------------|
| Clamping range, power contact, max.                 | 6 mm <sup>2</sup> | Clamping range, power contact, min.         | 1.5 mm <sup>2</sup> |
| Number of poles, performance contact                | 4                 | Rated current (DIN EN 61984), power contact | 40 A                |
| Rated impulse voltage (DIN EN 61984), power contact | 6 kV              | Rated voltage (DIN EN 61984), power contact | 690 V               |
| Stripping length, performance contact               | 9 mm              | Type of connection, power contact           | Crimp connection    |

## Signal contact

|  |                     |  |                      |
|--|---------------------|--|----------------------|
| Clamping range, signal contact, max.         | 2.5 mm <sup>2</sup> | Clamping range, signal contact, min.         | 0.14 mm <sup>2</sup> |
| Number of poles, signal                      | 2                   | Rated current (DIN EN 61984), signal         | 10 A                 |
| Rated impulse voltage (DIN EN 61984), signal | 4 kV                | Rated voltage (DIN EN 61984), signal contact | 250 V                |
| Stripping length, signal                     | 8 mm                | Type of connection, signal                   | Crimp connection     |

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## Technical data

## Version

|  |                     |  |                     |
|--|---------------------|--|---------------------|
| BG   | HQ                  | Conductor cross-section, max.                        | 6 mm <sup>2</sup>   |
| Conductor cross-section, min.                        | 1.5 mm <sup>2</sup> | Material   | Copper alloy        |
| Size   | HQ                  | Stripping length, rated connection                   | 9 mm                |
| Type of connection                                   | Crimp connection    | Volume resistance                                    | ≤1 mΩ, ≤4 mΩ        |
| Wire connection cross section AWG, max.              | AWG 10              | Wire connection cross section AWG, min.              | AWG 16              |
| Wire connection cross section, finely stranded, max. | 6 mm <sup>2</sup>   | Wire connection cross section, finely stranded, min. | 1.5 mm <sup>2</sup> |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000438    | ETIM 7.0    | EC000438    |
| ETIM 8.0    | EC000438    | ETIM 9.0    | 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 |

|                     |                           |
|---------------------|---------------------------|
| Substance           | Acetone                   |
| Chemical resistance | Resistant                 |
| Substance           | Ammonia, watery           |
| Chemical resistance | Conditionally resistant   |
| Substance           | Petrol                    |
| Chemical resistance | Resistant                 |
| Substance           | Benzene                   |
| Chemical resistance | Resistant                 |
| Substance           | Diesel oil                |
| Chemical resistance | Conditionally resistant   |
| Substance           | Acetic acid, concentrated |
| Chemical resistance | Resistant                 |
| Substance           | Potassium hydroxide       |
| Chemical resistance | Conditionally resistant   |
| Substance           | Methanol                  |
| Chemical resistance | Conditionally resistant   |
| Substance           | Motor oil                 |
| Chemical resistance | Conditionally resistant   |
| Substance           | Lye, diluted              |
| Chemical resistance | Resistant                 |
| Substance           | Hydrochlorofluorocarbons  |
| Chemical resistance | Conditionally resistant   |
| Substance           | Outdoor use               |
| Chemical resistance | Conditionally resistant   |

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## Technical data

## Environmental Product Compliance

|                     |   |
|---------------------|---|
| REACH SVHC          | Potassium perfluorobutane sulfonate 29420-49-3 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol 119-47-1  |
| SCIP                | 90e73fd4-d5ee-4f53-95e4-fe79a5c92ace  |
| Chemical resistance | de.myview.objectmodel.impl.BlockImpl@7b8d18c9 de.myview.objectmodel.impl.BlockImpl@707fb434<br>de.myview.objectmodel.impl.BlockImpl@3adf3f5b de.myview.objectmodel.impl.BlockImpl@386ba12e<br>de.myview.objectmodel.impl.BlockImpl@2b33bdba de.myview.objectmodel.impl.BlockImpl@26e072fc<br>de.myview.objectmodel.impl.BlockImpl@6506b49c de.myview.objectmodel.impl.BlockImpl@11bc3<br>de.myview.objectmodel.impl.BlockImpl@3669b814 de.myview.objectmodel.impl.BlockImpl@133b5bb7<br>de.myview.objectmodel.impl.BlockImpl@4349af18 de.myview.objectmodel.impl.BlockImpl@4b1e6bb1 |

## Approvals

Approvals



|                         |            |
|-------------------------|------------|
| ROHS                    | Conform    |
| UL File Number Search   | UL Website |
| Certificate No. (cURus) | E92202     |

## 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>                               |
| Brochures                                   | <a href="#">FL FIELDWIRING EN</a><br><a href="#">FL FIELDWIRING EN</a> |

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Bulkhead housing**

The special die-cast alloy and the multi-layered surface sealing provide complete protection for the HDC housings.

The cleverly designed interlock system is manufactured from stainless steel. This guarantees a long lifespan with high resistance to corrosion and impact.

The housing interlock system provides integrated safety. Our unique, patented spring system provides the housing interlock with a secure grip and prevents accidental opening.

The laser marking allows for easy and quick identification. Each housing is permanently labelled with a laser marking so that each product can be quickly designated and positioned.

Weidmüller RockStar® IP 65 / NEMA Type 4X housings - your first choice for industrial housings with IP 65 protection. The HQ version now offers particular protection - the bulkhead housing (cover and metal clamp) can be secured with a padlock.

**General ordering data**

|            |                            |   |
|------------|----------------------------|---|
| Type       | HDC HQP ALU                | Version   |
| Order No.  | <a href="#">1003040000</a> | HDC enclosures, Size: HQ, Protection degree: IP65 (in plugged condition), Bulkhead housing, Side-locking clamp on lower side, |
| GTIN (EAN) | 4032248697977              | Standard  |
| Qty.       | 1 pc(s).                   |   |
| Type       | HDC HQP ALU CS             | Version   |
| Order No.  | <a href="#">1354950000</a> | HDC enclosures, Size: HQ, Protection degree: IP65 (in plugged condition), Bulkhead housing, Side-locking clamp on lower side, |
| GTIN (EAN) | 4050118157215              | Standard  |
| Qty.       | 1 pc(s).                   |   |

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## Accessories

## Angled bulkhead housing



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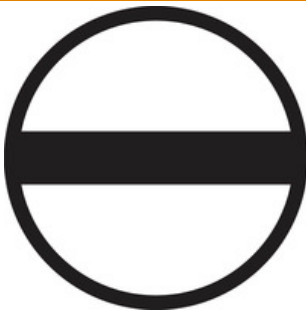
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## General ordering data

| Type       | HDC HQP AWLU               | Version   |
|------------|----------------------------|---|
| Order No.  | <a href="#">1003060000</a> | HDC enclosures, Size: HQ, Protection degree: IP65 (in plugged condition), Bulkhead housing, Side-locking clamp on lower side, |
| GTIN (EAN) | 4032248697991              | Standard  |
| Qty.       | 1 pc(s).                   |   |

## Slotted screwdriver



VDE insulated slot-head screwdriver, SDI DIN 7437, ISO 2380/2, drive output acc. to DIN 5264, ISO 2380/1. SoftFinish grip

## General ordering data

| Type       | SDIS 0.6X3.5X100           | Version                  |
|------------|----------------------------|--------------------------|
| Order No.  | <a href="#">9008390000</a> | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056354              |                          |
| Qty.       | 1 pc(s).                   |                          |

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## Accessories

## 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-SM0.75-1.00AU     | Version   |
| Order No.  | <a href="#">1651640000</a> | Heavy-duty connectors, Crimp contact, HD, HDD, HQ, MixMate, Male, |
| GTIN (EAN) | 4008190400316              | Conductor cross-section, max.: 1, turned, Copper alloy            |
| Qty.       | 100 pc(s).                 |   |
| Type       | HDC-C-HD-SM1.5AU           | Version   |
| Order No.  | <a href="#">1651650000</a> | Heavy-duty connectors, Crimp contact, HD, HDD, HQ, MixMate, Male, |
| GTIN (EAN) | 4008190400323              | Conductor cross-section, max.: 1.5, turned, Copper alloy          |
| Qty.       | 100 pc(s).                 |   |
| Type       | HDC-C-HD-SM0.5AU           | Version   |
| Order No.  | <a href="#">1651630000</a> | Heavy-duty connectors, Crimp contact, HD, HDD, HQ, MixMate, Male, |
| GTIN (EAN) | 4008190400309              | Conductor cross-section, max.: 0.5, turned, Copper alloy          |
| Qty.       | 100 pc(s).                 |   |
| Type       | HDC-C-HD-SM0.5AG           | Version   |
| Order No.  | <a href="#">1651530000</a> | Heavy-duty connectors, Crimp contact, HD, HDD, HQ, MixMate, Male, |
| GTIN (EAN) | 4008190400200              | Conductor cross-section, max.: 0.5, turned, Copper alloy          |
| Qty.       | 100 pc(s).                 |   |
| Type       | HDC-C-HD-SM1.5AG           | Version   |
| Order No.  | <a href="#">1651550000</a> | Heavy-duty connectors, Crimp contact, HD, HDD, HQ, MixMate, Male, |
| GTIN (EAN) | 4008190400224              | Conductor cross-section, max.: 1.5, turned, Copper alloy          |
| Qty.       | 100 pc(s).                 |   |
| Type       | HDC-C-HD-SM0.75-1.00AG     | Version   |
| Order No.  | <a href="#">1601750000</a> | Heavy-duty connectors, Crimp contact, HD, HDD, HQ, MixMate, Male, |
| GTIN (EAN) | 4008190134280              | Conductor cross-section, max.: 1, turned, Copper alloy            |
| Qty.       | 100 pc(s).                 |   |
| Type       | HDC-C-HD-SM0.14-0.37AG     | Version   |
| Order No.  | <a href="#">1651520000</a> | Heavy-duty connectors, Crimp contact, HD, HDD, HQ, MixMate, Male, |
| GTIN (EAN) | 4008190400194              | Conductor cross-section, max.: 0.37, turned, Copper alloy         |
| Qty.       | 100 pc(s).                 |   |
| Type       | HDC-C-HD-SM2.5AG           | Version   |
| Order No.  | <a href="#">1651560000</a> | Heavy-duty connectors, Crimp contact, HD, HDD, HQ, MixMate, Male, |
| GTIN (EAN) | 4008190400231              | Conductor cross-section, max.: 2.5, turned, Copper alloy          |
| Qty.       | 100 pc(s).                 |   |
| Type       | HDC-C-HD-SM0.14-0.37AU     | Version   |
| Order No.  | <a href="#">1651620000</a> | Heavy-duty connectors, Crimp contact, HD, HDD, HQ, MixMate, Male, |
| GTIN (EAN) | 4008190400293              | Conductor cross-section, max.: 0.37, turned, Copper alloy         |
| Qty.       | 100 pc(s).                 |   |

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## Accessories

|            |                            |   |
|------------|----------------------------|---|
| Type       | HDC-C-HD-SM2.5AU           | Version   |
| Order No.  | <a href="#">1651660000</a> | Heavy-duty connectors, Crimp contact, HD, HDD, HQ, MixMate, Male, |
| GTIN (EAN) | 4008190400330              | Conductor cross-section, max.: 2.5, turned, Copper alloy          |
| Qty.       | 100 pc(s).                 |   |

## Plug housing, cable entry sideways



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## General ordering data

|            |                            |  |
|------------|----------------------------|--|
| Type       | HDC HQP TSLU 1PG16         | Version  |
| Order No.  | <a href="#">1003090000</a> | HDC enclosures, Size: HQ, Protection degree: IP65 (in plugged condition), Cable entry from side, Plug housing, Side-locking clamp on |
| GTIN (EAN) | 4032248698028              | lower side, Standard, Size of cable entries: PG 16   |
| Qty.       | 1 pc(s).                   |  |

## 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 SM1.5AG           | Version  |
| Order No.  | <a href="#">1002910000</a> | Heavy-duty connectors, Crimp contact, MixMate, Male, Conductor |
| GTIN (EAN) | 4032248697090              | cross-section, max.: 1.5, turned, Copper alloy                 |
| Qty.       | 25 pc(s).                  |  |



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## Accessories

|            |                            |  |
|------------|----------------------------|--|
| Type       | HDC C HX SM2.5AG           | Version  |
| Order No.  | <a href="#">1002920000</a> | Heavy-duty connectors, Crimp contact, MixMate, Male, Conductor |
| GTIN (EAN) | 4032248697106              | cross-section, max.: 2.5, turned, Copper alloy                 |
| Qty.       | 25 pc(s).                  |  |
| Type       | HDC C HX SM6.0AG           | Version  |
| Order No.  | <a href="#">1002940000</a> | Heavy-duty connectors, Crimp contact, MixMate, Male, Conductor |
| GTIN (EAN) | 4032248697229              | cross-section, max.: 6, turned, Copper alloy                   |
| Qty.       | 25 pc(s).                  |  |
| Type       | HDC C HX SM4.0AG           | Version  |
| Order No.  | <a href="#">1002930000</a> | Heavy-duty connectors, Crimp contact, MixMate, Male, Conductor |
| GTIN (EAN) | 4032248697212              | cross-section, max.: 4, turned, Copper alloy                   |
| Qty.       | 25 pc(s).                  |  |

## Plug housing, cable entry sideways



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## General ordering data

|            |                            |  |
|------------|----------------------------|--|
| Type       | HDC HQM TSLU 1PG21         | Version  |
| Order No.  | <a href="#">1003100000</a> | HDC enclosures, Size: HQ, Protection degree: IP65 (in plugged condition), Cable entry from side, Plug housing, Side-locking clamp on |
| GTIN (EAN) | 4032248698035              | lower side, Standard, Size of cable entries: PG 21   |
| Qty.       | 1 pc(s).                   |  |

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## Accessories

## Plug housing, cable entry at top



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## General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | HDC HQM TOLU 1PG21         | Version   |
| Order No.  | <a href="#">1003080000</a> | HDC enclosures, Size: HQ, Protection degree: IP65 (in plugged condition), Cable entry from top, Plug housing, Side-locking clamp on |
| GTIN (EAN) | 4032248698011              | lower side, Standard, Size of cable entries: PG 21  |
| Qty.       | 1 pc(s).                   |   |

## Crosshead screwdriver Phillips



VDE insulated crosshead screwdriver, for Phillips screws, SDIK PH DIN 7438, ISO 8764/2-PH, output to ISO 8764-PH, SoftFinish grip

## General ordering data

|            |                            |                          |
|------------|----------------------------|--------------------------|
| Type       | SDIK PHO                   | Version                  |
| Order No.  | <a href="#">9008560000</a> | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056552              |                          |
| Qty.       | 1 pc(s).                   |                          |

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Contact removal tools**

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

**General ordering data**

|            |                            |                             |
|------------|----------------------------|-----------------------------|
| Type       | REMOVAL TOOL HD            | Version                     |
| Order No.  | <a href="#">1866730000</a> | Tools, Contact Removal Tool |
| GTIN (EAN) | 4032248437054              |                             |
| Qty.       | 1 pc(s).                   |                             |

**Plug housing, cable entry at top**

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**General ordering data**

|            |                            |   |
|------------|----------------------------|---|
| Type       | HDC HQP TOLU 1PG16         | Version   |
| Order No.  | <a href="#">1003070000</a> | HDC enclosures, Size: HQ, Protection degree: IP65 (in plugged condition), Cable entry from top, Plug housing, Side-locking clamp on |
| GTIN (EAN) | 4032248698004              | lower side, Standard, Size of cable entries: PG 16  |
| Qty.       | 1 pc(s).                   |   |

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Coupling housing**

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**General ordering data**

|            |                            |   |
|------------|----------------------------|---|
| Type       | HDC HQP KOLU 1PG16         | Version   |
| Order No.  | <a href="#">1003120000</a> | HDC enclosures, Size: HQ, Protection degree: IP65 (in plugged condition), Coupling housing, Side-locking clamp on lower side, |
| GTIN (EAN) | 4032248698059              | Standard, Size of cable entries: PG 16  |
| Qty.       | 1 pc(s).                   |   |

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Base housing**

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The housing interlock system provides integrated safety. Our unique, patented spring system provides the housing interlock with a secure grip and prevents accidental opening.

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Weidmüller RockStar® IP 65 / NEMA Type 4X housings - your first choice for industrial housings with IP 65 protection. The HQ version now offers particular protection - the bulkhead housing (cover and metal clamp) can be secured with a padlock.

**General ordering data**

|            |                            |   |
|------------|----------------------------|---|
| Type       | HDC HQP SLU 1PG16          | Version   |
| Order No.  | <a href="#">1003110000</a> | HDC enclosures, Size: HQ, Protection degree: IP65 (in plugged condition), Base housing, Side-locking clamp on lower side, Standard, |
| GTIN (EAN) | 4032248698042              |   |
| Qty.       | 1 pc(s).                   | Size of cable entries: PG 16  |

**Bulkhead housing**

The special die-cast alloy and the multi-layered surface sealing provide complete protection for the HDC housings.

The cleverly designed interlock system is manufactured from stainless steel. This guarantees a long lifespan with high resistance to corrosion and impact.

The housing interlock system provides integrated safety. Our unique, patented spring system provides the housing interlock with a secure grip and prevents accidental opening.

The laser marking allows for easy and quick identification. Each housing is permanently labelled with a laser marking so that each product can be quickly designated and positioned.

Weidmüller RockStar® IP 65 / NEMA Type 4X housings - your first choice for industrial housings with IP 65 protection. The HQ version now offers particular protection - the bulkhead housing (cover and metal clamp) can be secured with a padlock.

**General ordering data**

|            |                            |  |
|------------|----------------------------|--|
| Type       | HDC HQM ALU                | Version  |
| Order No.  | <a href="#">1003050000</a> | HDC enclosures, Size: HQ, Protection degree: IP65 (in plugged condition), Bulkhead housing, Side-locking clamp on lower side, Standard |
| GTIN (EAN) | 4032248697984              |  |
| Qty.       | 1 pc(s).                   |  |

**HDC HQ 4/2 MC****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

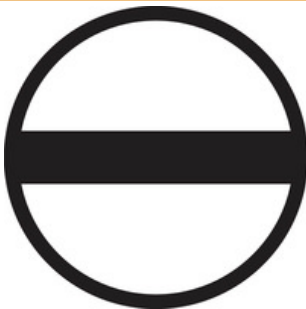
|            |                            |  |
|------------|----------------------------|--|
| Type       | HDC HQM ALU CS             | Version  |
| Order No.  | <a href="#">1251680000</a> | HDC enclosures, Size: HQ, Protection degree: IP65 (in plugged condition), Bulkhead housing, Side-locking clamp on lower side, Standard |
| GTIN (EAN) | 4050118051803              |  |
| Qty.       | 1 pc(s).                   |  |

**Crosshead screwdriver Phillips**

Crosshead screwdriver, Phillips, SDK PH DIN 5262, ISO 8764/2-PH, output to ISO 8764-PH, ChromTop tip, SoftFinish grip

**General ordering data**

|            |                            |                          |
|------------|----------------------------|--------------------------|
| Type       | SDK PH0                    | Version                  |
| Order No.  | <a href="#">9008470000</a> | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056460              |                          |
| Qty.       | 1 pc(s).                   |                          |

**Slotted screwdriver**

Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

**General ordering data**

|            |                            |                          |
|------------|----------------------------|--------------------------|
| Type       | SDS 0.6X3.5X100            | Version                  |
| Order No.  | <a href="#">9008330000</a> | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056286              |                          |
| Qty.       | 1 pc(s).                   |                          |

**HDC HQ 4/2 MC****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Crimping tools****Crimping tools for turned contacts**

- Ratchet guarantees precise crimping
- Release option in the event of incorrect operation
- With stop for exact positioning of the contacts.

**General ordering data**

|            |                            |  |
|------------|----------------------------|--|
| Type       | CTIN CM 1.6/2.5            | Version  |
| Order No.  | <a href="#">9205430000</a> | Pressing tool, Crimping tool for contacts, 0.14mm <sup>2</sup> , 6mm <sup>2</sup> , 4-indent |
| GTIN (EAN) | 4032248733446              | crimp  |
| Qty.       | 1 pc(s).                   |  |

# Tightening torques and screwing tools

| Screw size         | Connector type                          | Dia. tightening torque in Nm  | Recommended blade inserts and AF size for hexagon socket |
|--------------------|---|---|--|
| <b>M 2.5</b>       | <b>Signal contacts</b>                  |   |  |
|                    | S 6/6                                   | 0.5 - 0.55  | SD 0.6 x 3.5 mm or PZ0                                   |
|                    | S 6/12                                  | 0.5 - 0.55  | SD 0.6 x 3.5 mm or PZ0                                   |
| <b>M 2.9 x 0.5</b> | <b>Fastening screws</b>                 |   |  |
|                    | HQ 4/2                                  | 0.8 (plastic) / 1.1 (metal)   | SD 0.6 x 3.5 mm or PH0                                   |
|                    | HQ 8                                    | 0.8 (plastic) / 1.1 (metal)   | SD 0.6 x 3.5 mm or PH0                                   |
|                    | HQ 17                                   | 0.8 (plastic) / 1.1 (metal)   | SD 0.6 x 3.5 mm or PH0                                   |
| <b>M 3</b>         | <b>Contact screws</b>                   |   |  |
|                    | HA 3                                    | 0.5 - 0.55  | SD 0.5 x 3.0 mm  |
|                    | HA 4                                    | 0.5 - 0.55  | SD 0.5 x 3.0 mm  |
|                    | HA 10 bis HA 48                         | 0.5 - 0.55  | SD 0.6 x 3.5 mm or PH0                                   |
|                    | HE                                      | 0.5 - 0.55  | SD 0.6 x 3.5 mm or PZ0                                   |
|                    | HVE                                     | 0.5 - 0.55  | SD 0.6 x 3.5 mm or PZ0                                   |
|                    | <b>Signal contacts:</b>                 |   |  |
|                    | S 4/2                                   | 0.5 - 0.55  | SD 0.6 x 3.5 mm or PZ0                                   |
|                    | S 4/8                                   | 0.5 - 0.55  | SD 0.6 x 3.5 mm or PZ0                                   |
|                    | <b>PE connection via female contact</b> |   |  |
|                    | S 4                                     | 0.5 - 0.8   | SD 0.6 x 3.5 mm  |
|                    | ConCept modular frame, metal            | 0.5 - 0.55  | SD 0.6 x 3.5 mm  |
|                    | <b>PE terminal</b>                      |   |  |
|                    | HQ 5                                    | 0.5 - 0.55  | SD 0.6 x 3.5 or 0.8 x 4 mm                               |
|                    | HQ 7                                    | 0.5 - 0.55  | SD 0.6 x 3.5 or 0.8 x 4 mm                               |
|                    | <b>Fastening screws</b>                 | 0.5 - 0.55  | SD 0.6 x 3.5 mm or PZ0                                   |
|                    | <b>Guide pin</b>                        | 0.5 - 0.55  | SD 0.6 x 3.5 mm or PZ0                                   |
|                    | <b>Guide bush</b>                       | 0.5 - 0.55  | SD 0.6 x 3.5 mm or PZ0                                   |
|                    | <b>Coding pins</b>                      | 0.5 - 0.55  | SD 0.6 x 3.5 mm or PZ0                                   |
| <b>M 4</b>         | <b>Contact screws</b>                   |   |  |
|                    | HSB                                     | 1.2 - 1.5   | SD 0.6 x 3.5 or 0.8 x 4 mm or PZ1                        |
|                    | <b>PE connection via male contact</b>   |   |  |
|                    | S 4                                     | 0.5 - 0.8   | SD 0.6 x 3.5 mm  |
|                    | ConCept modular frame, metal            | 1.2 - 1.5   | SD 0.6 x 3.5 mm  |
|                    | <b>PE terminal</b>                      |   |  |
|                    | HA                                      | 1.2 - 1.5   | SD 0.6 x 3.5 or 0.8 x 4 mm or PH1                        |
|                    | HE                                      | 1.2 - 1.5   | SD 0.6 x 3.5 or 0.8 x 4 mm or PH1                        |
|                    | HEE                                     | 1.2 - 1.5   | SD 0.6 x 3.5 or 0.8 x 4 mm or PH1                        |
|                    | HVE                                     | 1.2 - 1.5   | SD 0.6 x 3.5 or 0.8 x 4 mm or PH1                        |
|                    | HD                                      | 1.2 - 1.5   | SD 0.6 x 3.5 or 0.8 x 4 mm or PZ1                        |
|                    | HDD                                     | 1.2 - 1.5   | SD 0.6 x 3.5 or 0.8 x 4 mm or PZ1                        |
|                    | S 6/6 (for signal contacts)             | 1.2 - 1.5   | 0.8 x 4 mm or PZ1  |
|                    | ConCept modular frame, plastic          | 1.2 - 1.5   | 0.8 x 4 mm or PZ1  |
| <b>M 5</b>         | <b>PE terminal</b>                      |   |  |
|                    | HSB                                     | 2 - 2.5   | SD 1 x 5.5 mm or PZ2                                     |
|                    | S 4/0 (Screw connection)                | 2 - 2.5   | SD 1.2 x 6.5 mm or PH2                                   |
|                    | S 4/0 (Axial screw connection)          | 2 - 2.5   | SD 0.8 x 4 mm or PZ 2                                    |
|                    | S 4/2                                   | 2 - 2.5   | SD 1.2 x 6.5 mm or PH2                                   |
|                    | S 4/8                                   | 2 - 2.5   | SD 1.2 x 6.5 mm or PH2                                   |
|                    | S 6/12                                  | 2 - 2.5   | SD 0.8 x 4 mm or PZ 2                                    |
|                    | S 6/36                                  | 2 - 2.5   | SD 1.2 x 6.5 mm or PH2                                   |
|                    | S 8/24                                  | 2 - 2.5   | SD 1.2 x 6.5 mm or PH2                                   |
|                    | S 12/2                                  | 2 - 2.5   | SD 1.2 x 6.5 mm or PH2                                   |
| <b>M 6</b>         | <b>Power contacts</b>                   |   |  |
|                    | S 4/0 (Screw connection)                | 1.2 (1.5 mm <sup>2</sup> ) / 2 (2.5 mm <sup>2</sup> ) / 3 (4-16 mm <sup>2</sup> ) | SD 0.8 x 4 mm  |
|                    | S 4/2                                   | 1.2 (1.5 mm <sup>2</sup> ) / 2 (2.5 mm <sup>2</sup> ) / 3 (4-16 mm <sup>2</sup> ) | SD 0.8 x 4 mm  |
|                    | S 4/8                                   | 1.2 (1.5 mm <sup>2</sup> ) / 2 (2.5 mm <sup>2</sup> ) / 3 (4-16 mm <sup>2</sup> ) | SD 0.8 x 4 mm  |
| <b>M 7 x 0.75</b>  | <b>Power contacts</b>                   |   |  |
|                    | S 4                                     | 1.1 - 1.7   | SW 2   |
|                    | S 6/6 (+ PE)                            | 6 - 8   | SW 4   |
| <b>M 8 x 0.75</b>  | <b>Power contacts</b>                   |   |  |
|                    | S 6/12                                  | 1.1 - 1.7   | SW 2   |
|                    | S 8/0 (+ PE)                            | 6 (10-16 mm <sup>2</sup> ) - 7 (25 mm <sup>2</sup> )                              | SW 4   |
| <b>M10 x 1</b>     | <b>Power contacts</b>                   |   |  |
|                    | S 4/0 (Axial connection)                | 2 - 3   | SW 3   |

Increasing the tightening torque does not improve the contact resistance. The stated torque settings offer optimal mechanical, thermal and electrical conditions. Exceeding the recommended values may even damage the conductor and terminal.