

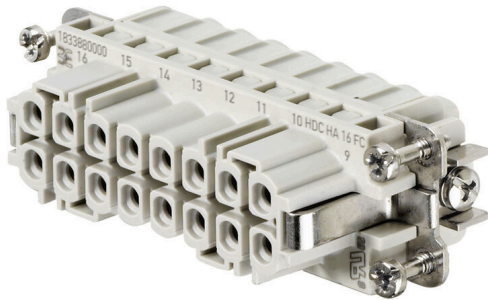
HDC HA 16 FC**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



The small and thin HA series can be used wherever space is limited.

The wire connection level is designed as a crimp contact. The established crimp connection has been used as a standard for decades.

Crimp contacts are not delivered with the inserts.

Pole count: 16

Rated current: 22 A

Rated voltage 250 V

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

General ordering data

| | |
|------------|----------------------------------------------------------------------------------------------|
| Version | HDC insert, Female, 250 V, 16 A, Number of poles: 16, Crimp connection, Installation size: 5 |
| Order No. | 1873880000 |
| Type | HDC HA 16 FC |
| GTIN (EAN) | 4032248458394 |
| Qty. | 1 items |

Technical data

Approvals

Approvals



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

Dimensions and weights

| | | | |
|------------|---------|-----------------|-------------|
| Depth | 73 mm | Depth (inches) | 2.874 inch |
| Height | 31.1 mm | Height (inches) | 1.2244 inch |
| Width | 23 mm | Width (inches) | 0.9055 inch |
| Net weight | 30.8 g | | |

Temperatures

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

Environmental Product Compliance

| | |
|--------------------------------------|----------------------------------------------------------------|
| RoHS Compliance Status | Compliant with exemption |
| RoHS Exemption (if applicable/known) | 6c |
| REACH SVHC | Lead 7439-92-1, Potassium perfluorobutane sulfonate 29420-49-3 |
| SCIP | b67daa31-7dca-434d-8290-da7fb52f83a2 |

| | | |
|---------------------|--------------------------|---------------------------|
| Chemical resistance | 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 | |

Dimensions

| | | | |
|------------------|---------|-------------------|-------|
| Width | 23 mm | Total length base | 73 mm |
| Height of socket | 31.1 mm | | |

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Technical data

General data

| | | |
|---------------------------------------|-------------------------------------------------------------|--------|
| Number of poles | 16 | |
| Plugging cycles, silver | ≥ 500 | |
| Plugging cycles, gold | ≥ 500 | |
| Type of connection | Crimp connection | |
| Installation size | 5 | |
| UL 94 flammability rating | V-0 | |
| Volume resistance | ≤2 mΩ | |
| Colour | beige | |
| Insulation resistance | 1010 Ω | |
| Insulating material | PC glass-fibre reinforced (UL-listed and railway-certified) | |
| Insulating material group | IIIa | |
| Conductor cross-section | 2.5 mm ² | |
| Tightening torque, max. PE connection | 1.5 Nm | |
| Type | Female | |
| Pollution severity | 3 | |
| Tightening torque, min. PE connection | 1.2 Nm | |
| Basic material | Copper alloy | |
| Series | HA | |
| Rated voltage (DIN EN 61984) | 250 V | |
| Rated voltage according to UL/CSA | 600 V AC/DC | |
| Rated impulse voltage (DIN EN 61984) | 4 kV | |
| Rated current (DIN EN 61984) | 16 A | |
| Rated current (UR) | Wire connection cross section AWG | AWG 12 |
| | Rated current | 20 A |
| | Wire connection cross section AWG | AWG 14 |
| | Rated current | 15 A |
| | Wire connection cross section AWG | AWG 16 |
| | Rated current | 10 A |
| | Wire connection cross section AWG | AWG 18 |
| | Rated current | 7 A |
| Rated current (cUR) | Wire connection cross section AWG | AWG 20 |
| | Rated current | 5 A |
| | Wire connection cross section AWG | AWG 12 |
| | Rated current | 19 A |
| | Wire connection cross section AWG | AWG 14 |
| | Rated current | 15 A |
| | Wire connection cross section AWG | AWG 16 |
| | Rated current | 12 A |
| | Wire connection cross section AWG | AWG 18 |
| | Rated current | 8 A |
| | Wire connection cross section AWG | AWG 20 |
| | Rated current | 8 A |
| Free from halogens | true | |
| Low smoke acc. DIN EN 45545-2 | Yes | |
| BG | 5 | |
| Number of signal contacts | 0 | |
| Number of power contacts | 16 | |

Connection data PE

| | | | |
|---------------------------------------|------------------------------------|---------------------------------------|--------------|
| Connection type PE | Screw connection, Crimp connection | Blade size, slotted (PE connection) | SD 0.8 x 4.0 |
| Stripping length PE connection | 10 mm | Tightening torque, max. PE connection | 1.5 Nm |
| Tightening torque, min. PE connection | 1.2 Nm | Fixing screw | M 4 |
| Rated cross-section | 2.5 mm ² | Wire cross section, AWG (PE), min. | AWG 20 |
| Wire cross section, AWG (PE), max. | AWG 14 | | |

Technical data

Version

| | | | |
|-----------------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------|---------------------|
| Wire connection cross section AWG, max. | AWG 12 | Stripping length, rated connection | 8 mm |
| Type of connection | Crimp connection | Installation size | 5 |
| Volume resistance | ≤2 mΩ | Wire connection cross section AWG, min. | AWG 20 |
| Wire cross-section, solid, max. | 2.5 mm ² | Wire cross-section, solid, min. | 0.5 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 2.5 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm ² |
| Wire connection cross section, finely stranded, max. | 2.5 mm ² | Wire connection cross section, finely stranded, min. | 0.5 mm ² |
| Conductor cross-section, max. | 4 mm ² | Conductor cross-section, min. | 0.5 mm ² |
| Basic material | Copper alloy | BG | 5 |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC000438 | ETIM 9.0 | EC000438 |
| ETIM 10.0 | EC000438 | ECLASS 14.0 | 27-44-02-05 |
| ECLASS 15.0 | 27-44-02-05 | | |

Drawings

