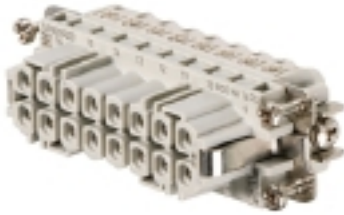


**HDC insert
HDC HA 16 FS**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com



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

The wire connection level is designed as a screw element. All screw connections are equipped with a wire protection spring (with the exception of size 1).

Pole count: 48

Rated current: 16 A

Rated voltage 250 V

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

Screw connection

General ordering data

| | |
|------------|--|
| Type | HDC HA 16 FS |
| Order No. | 1650780000 |
| Version | HDC insert, Female, 250 V, 16 A, No. of poles: 16, Screw connection, Size: 5 |
| GTIN (EAN) | 4008190299408 |
| Qty. | 1 pc(s). |

**HDC insert
HDC HA 16 FS**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Technical data**Dimensions and weights**

| | | | |
|--------|---------|------------|-------|
| Length | 73 mm | Width | 23 mm |
| Height | 31.1 mm | Net weight | 71 g |

Dimensions

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

General data

| | | | |
|--------------------------------------|---------------------|-----------------------------------|---|
| Size | 5 | 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 |
| UL 94 flammability rating | V-0 | Insulating material group | IIIa |
| Insulation resistance | 10 ¹⁰ Ω | Insulating material | PC glass-fibre reinforced (UL-listed and railway-certified) |
| Conductor cross-section | 2.5 mm ² | No. of poles | 16 |
| Plugging cycles, silver | ≥ 500 | Operating temperature range, min. | -40 °C |
| Operating temperature range, max. | 125 °C | Pollution severity | 3 |
| Type | Female | | |

Connection data PE

| | | | |
|---|---------------------|---|---------------------|
| Stripping length PE connection | 10 mm | Wire connection cross-section, finely stranded, min. | 0.5 mm ² |
| Wire connection cross section, finely stranded, max. | 2.5 mm ² | Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min. | 0.5 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max. | 2.5 mm ² | Wire connection cross section AWG, min. | AWG 20 |
| Wire connection cross section AWG, max. | AWG 14 | Wire cross-section, solid, min. | 0.5 mm ² |
| Wire cross-section, solid, max. | 2.5 mm ² | Connection type PE | Screw connection |
| Tightening torque, min. PE connection | 1.2 Nm | Tightening torque, max. PE connection | 1.5 Nm |
| Rated cross-section | 2.5 mm ² | Fixing screw | M 4 |
| Blade size, crosshead | size PH1 | Blade size, slotted (PE connection) | SD 0.8 x 4.0 |

Rating data

| | | | |
|------------------------------|-------|--------------------------------------|-------------|
| Rated current (DIN EN 61984) | 16 A | Rated impulse voltage (DIN EN 61984) | 4 kV |
| Rated voltage (DIN EN 61984) | 250 V | Rated voltage according to UL/CSA | 600 V AC/DC |

Version

| | | | |
|---|--------------|---|-------------------|
| Wire connection cross section AWG, min. | AWG 20 | Wire connection cross section AWG, max. | AWG 14 |
| Stripping length, rated connection | 9 mm | Type of connection | Screw connection |
| Min. torque for main contact | 0.5 Nm | Max. torque for main contact | 0.55 Nm |
| Size | 5 | Volume resistance | ≤ 2mΩ |
| Clamping screw | M 3 | Blade size | size PH0 |
| Blade size, slotted (screw connection) | SD 0.6 x 3.5 | Surface finish | Silver passivated |
| Material | Copper alloy | | |

Data sheet

**HDC insert
HDC HA 16 FS**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Technical data

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 3.0 | EC001121 | UNSPSC | 30-21-18-01 |
| eClass 5.1 | 27-14-34-19 | eClass 6.2 | 27-26-12-04 |
| eClass 7.1 | 27-44-02-05 | | |

Product information

| | |
|---------------------------------|---|
| Descriptive text technical data | Rated voltage 320 V / 4 kV at pollution degree 2 |
| Descriptive text accessories | Accessories, see chapter J - Tools, see chapter K |

Approvals

Approvals



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

Downloads

| | |
|---------------------------|--|
| PDF | 1650780000_HDC_HA_16_FS_STP_Blatt__1.pdf |
| IGES | 1650780000_HDC_HA_16_FS_STP.igs |
| VRML | 1650780000_HDC_HA_16_FS_STP.wrl |
| 3-D model | |

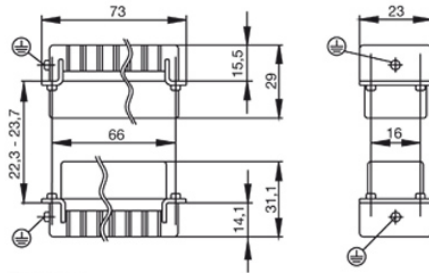
Data sheet**HDC insert
HDC HA 16 FS**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Drawings

Abmessungen

Steil



Buchse