

**HDC HEE 46 MP**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergsstraße 26  
D-32758 Detmold  
Germany

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



The HEE series features high-density contacts and is designed based on the established HE inserts. The wire connection level is designed as a PUSH IN contact. Number of poles: 10 - 64  
Rated current: 16 A  
Rated voltage: 500 V

**General ordering data**

Version	HDC insert, Male, 500 V, 16 A, Number of poles: 46, PUSH IN with actuator, Installation size: 8
Order No.	<a href="#">3023980000</a>
Type	HDC HEE 46 MP
GTIN (EAN)	4099986946569
Qty.	1 items

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## Technical data

## Approvals

Approvals



ROHS	Conform
UL File Number Search	<a href="#">UL Website</a>
Certificate No. (cURus)	E310075

## Dimensions and weights

Depth	111 mm	Depth (inches)	4.3701 inch
Height	38 mm	Height (inches)	1.4961 inch
Width	34 mm	Width (inches)	1.3386 inch
Length	110 mm	Length (inches)	4.3307 inch
Net weight	100 g		

## Temperatures

Limit temperature	-40 °C ... 125 °C
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## Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption	
REACH SVHC	No SVHC above 0.1 wt%	
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	34 mm	Height of socket	36 mm
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## Technical data

## General data

Number of poles	46	Plugging cycles, silver	≥ 500
Plugging cycles, gold	≥ 500	Type of connection	PUSH IN with actuator
Installation size	8	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 <sup>2</sup>
Type	Male	Surge voltage category	III
Pollution severity	3	Basic material	Copper alloy
Series	HEE	Rated voltage (DIN EN 61984)	500 V
Rated voltage according to UL/CSA	600 V AC/DC	Rated impulse voltage (DIN EN 61984)	6 kV
Rated current (DIN EN 61984)	16 A	Rated voltage conductor-PE (III/3)	500 V
Free from halogens	true	Low smoke acc. DIN EN 45545-2	Yes
BG	8	Number of signal contacts	0
Number of power contacts	46		

## Connection data PE

Connection type PE	Screw connection	Blade size, slotted (PE connection)	SD 0.8 x 4.0
Stripping length PE connection	10 mm	Tightening torque, max. PE connection	1.2 Nm
Tightening torque, min. PE connection	0.8 Nm	Rated cross-section	2.5 mm <sup>2</sup>
Wire cross section, AWG (PE), min.	AWG 12	Wire cross section, AWG (PE), max.	AWG 20

## Power contact

Rated current (DIN EN 61984), power contact	16 A
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## Version

Type of connection	PUSH IN with actuator	Installation size	8
Volume resistance	≤ 2 mΩ	Conductor cross-section, max.	2.5 mm <sup>2</sup>
Conductor cross-section, min.	0.5 mm <sup>2</sup>	Basic material	Copper alloy
BG	8		

## Classifications

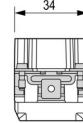
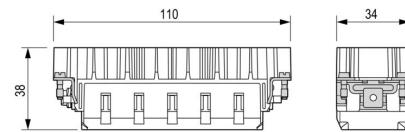
ETIM 8.0	EC000438	ETIM 9.0	EC000438
ETIM 10.0	EC000438	ECLASS 14.0	27-44-02-05
ECLASS 15.0	27-44-02-05		

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## Drawings



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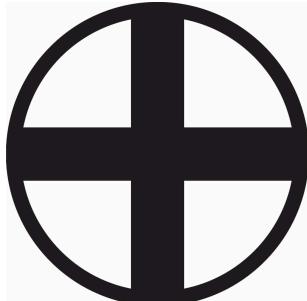
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**Accessories****Slotted screwdriver**

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 0.4X2.5X75	Version
Order No.	<a href="#">9008370000</a>	Screwdriver, Screwdriver
GTIN (EAN)	4032248056330	
Qty.	1 ST	
Type	SDS 0.4X2.5X75	Version
Order No.	<a href="#">9009030000</a>	Screwdriver, Screwdriver
GTIN (EAN)	4032248266944	
Qty.	1 ST	
Type	SDIS 0.6X3.5X100	Version
Order No.	<a href="#">9008390000</a>	Screwdriver, Screwdriver
GTIN (EAN)	4032248056354	
Qty.	1 ST	
Type	SDS 0.6X3.5X100	Version
Order No.	<a href="#">9008330000</a>	Screwdriver, Screwdriver
GTIN (EAN)	4032248056286	
Qty.	1 ST	
Type	SDS 0.8X4.0X100	Version
Order No.	<a href="#">9008400000</a>	Screwdriver, Screwdriver
GTIN (EAN)	4032248056361	
Qty.	1 ST	
Type	SDS 0.8X4.0X100	Version
Order No.	<a href="#">9008340000</a>	Screwdriver, Screwdriver
GTIN (EAN)	4032248056293	
Qty.	1 ST	

**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

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## Accessories

## General ordering data

Type	SDIK PH1	Version
Order No.	<a href="#">9008570000</a>	Screwdriver, Screwdriver
GTIN (EAN)	4032248056569	
Qty.	1 ST	
Type	SDK PH1	Version
Order No.	<a href="#">9008480000</a>	Screwdriver, Screwdriver
GTIN (EAN)	4032248056477	
Qty.	1 ST	

## DSTV

Various accessories are available for our inserts. This includes coding elements for the inserts.



## General ordering data

Type	DSTV COBU5	Version
Order No.	<a href="#">1471500000</a>	Heavy-duty connectors, Accessories, Coding element
GTIN (EAN)	4008190178543	
Qty.	100 ST	
Type	DSTV COST4	Version
Order No.	<a href="#">1471300000</a>	Heavy-duty connectors, Accessories, Coding System
GTIN (EAN)	4008190017354	
Qty.	100 ST	

## Size 8



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Number of poles: 10 - 64  
Rated current: 16 A  
Rated voltage: 500 V

## General ordering data

Type	HDC HEE 46 FP	Version
Order No.	<a href="#">3023930000</a>	HDC insert, Female, 500 V, 16 A, Number of poles: 46, PUSH IN with
GTIN (EAN)	4099986946514	actuator, Installation size: 8
Qty.	1 ST	