

HDC HDD 48 MC EX 1500

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

www.weidmueller.com



The option of separating cables in Zone 2 that comply with the following approvals ATEX: T II 3G Ex ec IIC T6 Gc or IECEX: Ex ec IIC T6 Gc simplifies installation, service and enables better preparation. The approved connectors offered here must always be used complete with the corresponding approved housings and inserts and may only be disconnected without load.

General ordering data

Version	HDC insert, Male, 1500 V, Number of poles: 48, Crimp connection, Installation size: 8
Order No.	3116670000
Type	HDC HDD 48 MC EX 1500
GTIN (EAN)	4099987235792
Qty.	1 items

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Technical data

Approvals

Approvals



UL File Number Search [UL Website](#)
 Certificate No. (cURus) E92202

Dimensions and weights

Depth	34 mm	Depth (inches)	1.3386 inch
Height	36 mm	Height (inches)	1.4173 inch
Width	84 mm	Width (inches)	3.3071 inch
Diameter	1.6 mm	Net weight	80.2 g

Temperatures

Limit temperature -20 °C ... 40 °C

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 84 mm

General data

Number of poles	48	Type of connection	Crimp connection
Installation size	8	UL 94 flammability rating	V-0

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Technical data

Colour	grey	Insulating material	Polycarbonate
Surface finish	Miscellaneous	Type	Male
Basic material	Polycarbonate	Series	HDD
Rated voltage (DIN EN 61984)	1500 V	Free from halogens	false
BG	8	Number of signal contacts	0
Number of power contacts	48	Protection degree	IP55

Rating data IECEx/ATEX

Certificate No. (IECEX)	TUEV24ATEX9197X	Current (IECEX)	3 A
Current (ATEX)	3 A	Certificate No. (ATEX)	IECEXUR24.0077X
Wire cross section max. (IECEX)	2.5 mm ²	Max. voltage (ATEX)	250 V
Wire cross section max. (ATEX)	2.5 mm ²	Max. voltage (IECEX)	250 V

Connection data PE

Connection type PE	Crimp connection
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Version

Stripping length, rated connection	8 mm	Type of connection	Crimp connection
Installation size	8	Conductor cross-section, max.	2.5 mm ²
Conductor cross-section, min.	0.5 mm ²	Surface finish	Miscellaneous
Basic material	Polycarbonate	BG	8

Classifications

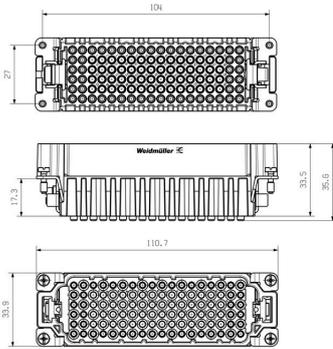
ETIM 8.0	EC000438	ETIM 9.0	EC000438
ETIM 10.0	EC000438	ECLASS 14.0	27-44-02-05
ECLASS 15.0	27-44-02-05		

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Drawings

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Accessories

DSTV



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

General ordering data

Type	DSTV COBU5	Version
Order No.	1471500000	Heavy-duty connectors, Accessories, Coding element
GTIN (EAN)	4008190178543	
Qty.	100 ST	

Type	DSTV COST4	Version
Order No.	1471300000	Heavy-duty connectors, Accessories, Coding System
GTIN (EAN)	4008190017354	
Qty.	100 ST	

Size 8 (24B)



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General ordering data

Type	HDC 24B AS ATEX	Version
Order No.	3139930000	HDC enclosures, Installation size: 8, Protection degree: IP55, Bulkhead housing, Clamping yoke connection, Standard, Size of cable entries:
GTIN (EAN)	4099987382298	
Qty.	1 ST	none

Type	HDC 24B SS 1M40G ATEX	Version
Order No.	3139880000	HDC enclosures, Installation size: 8, Protection degree: IP55, Base housing, Clamping yoke connection, Standard, Size of cable entries:
GTIN (EAN)	4099987382243	
Qty.	1 ST	M 40

Type	HDC 24B SS 2M40G ATEX	Version
Order No.	3139890000	HDC enclosures, Installation size: 8, Protection degree: IP55, Base housing, Clamping yoke connection, Standard, Size of cable entries:
GTIN (EAN)	4099987382250	
Qty.	1 ST	M 40

Type	HDC 24B TOS 1M32G ATEX	Version
Order No.	3140010000	HDC enclosures, Installation size: 8, Protection degree: IP55, Plug housing, Clamping yoke connection, Standard, Size of cable entries:
GTIN (EAN)	4099987382373	
Qty.	1 ST	M 32

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Accessories

Type	HDC 24B TOS 2M32G ATEX	Version
Order No.	3140020000	HDC enclosures, Installation size: 8, Protection degree: IP55, Plug housing, Clamping yoke connection, Standard, Size of cable entries: 2*M32
GTIN (EAN)	4099987382380	
Qty.	1 ST	
Type	HDC 24B TSS 1M32G ATEX	Version
Order No.	3140030000	HDC enclosures, Installation size: 8, Protection degree: IP55, Plug housing, Clamping yoke connection, Standard, Size of cable entries: M 32
GTIN (EAN)	4099987382397	
Qty.	1 ST	
Type	HDC 24B TSS 1M40G ATEX	Version
Order No.	3140040000	HDC enclosures, Installation size: 8, Protection degree: IP55, Plug housing, Clamping yoke connection, Standard, Size of cable entries: M 40
GTIN (EAN)	4099987382403	
Qty.	1 ST	

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-SM0.14-0.37AG	Version
Order No.	1651520000	Heavy-duty connectors, Crimp contact, HD, HDD, HQ, MixMate, Male, Conductor cross-section, max.: 0.37, turned, Copper alloy
GTIN (EAN)	4008190400194	
Qty.	100 ST	
Type	HDC-C-HD-SM0.14-0.37AU	Version
Order No.	1651620000	Heavy-duty connectors, Crimp contact, HD, HDD, HQ, MixMate, Male, Conductor cross-section, max.: 0.37, turned, Copper alloy
GTIN (EAN)	4008190400293	
Qty.	100 ST	
Type	HDC-C-HD-SM0.5AG	Version
Order No.	1651530000	Heavy-duty connectors, Crimp contact, HD, HDD, HQ, MixMate, Male, Conductor cross-section, max.: 0.5, turned, Copper alloy
GTIN (EAN)	4008190400200	
Qty.	100 ST	
Type	HDC-C-HD-SM0.5AU	Version
Order No.	1651630000	Heavy-duty connectors, Crimp contact, HD, HDD, HQ, MixMate, Male, Conductor cross-section, max.: 0.5, turned, Copper alloy
GTIN (EAN)	4008190400309	
Qty.	100 ST	
Type	HDC-C-HD-SM0.75-1.00AG	Version
Order No.	1601750000	Heavy-duty connectors, Crimp contact, HD, HDD, HQ, MixMate, Male, Conductor cross-section, max.: 1, turned, Copper alloy
GTIN (EAN)	4008190134280	
Qty.	100 ST	
Type	HDC-C-HD-SM0.75-1.00AU	Version
Order No.	1651640000	Heavy-duty connectors, Crimp contact, HD, HDD, HQ, MixMate, Male, Conductor cross-section, max.: 1, turned, Copper alloy
GTIN (EAN)	4008190400316	
Qty.	100 ST	

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Accessories

Type	HDC-C-HD-SM1.5AG	Version
Order No.	1651550000	Heavy-duty connectors, Crimp contact, HD, HDD, HQ, MixMate, Male,
GTIN (EAN)	4008190400224	Conductor cross-section, max.: 1.5, turned, Copper alloy
Qty.	100 ST	
Type	HDC-C-HD-SM1.5AU	Version
Order No.	1651650000	Heavy-duty connectors, Crimp contact, HD, HDD, HQ, MixMate, Male,
GTIN (EAN)	4008190400323	Conductor cross-section, max.: 1.5, turned, Copper alloy
Qty.	100 ST	
Type	HDC-C-HD-SM2.5AG	Version
Order No.	1651560000	Heavy-duty connectors, Crimp contact, HD, HDD, HQ, MixMate, Male,
GTIN (EAN)	4008190400231	Conductor cross-section, max.: 2.5, turned, Copper alloy
Qty.	100 ST	
Type	HDC-C-HD-SM2.5AU	Version
Order No.	1651660000	Heavy-duty connectors, Crimp contact, HD, HDD, HQ, MixMate, Male,
GTIN (EAN)	4008190400330	Conductor cross-section, max.: 2.5, turned, Copper alloy
Qty.	100 ST	

Size 8



The HDD series with machined crimp contacts is designed for high pole counts in tight spaces. Users save installation space with the smaller design, without having to limit the number of poles.

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.

Number of poles: 108

Rated current: 10 A

Rated voltage: 250 V

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

General ordering data

Type	HDC HDD 108 FC	Version
Order No.	1651220000	HDC insert, Female, 250 V, 10 A, Number of poles: 108, Crimp connection, Installation size: 8
GTIN (EAN)	4008190299828	
Qty.	1 ST	
Type	HDC HDD 48 FC EX 1500	Version
Order No.	3116690000	HDC insert, Female, 1500 V, Number of poles: 48, Crimp connection,
GTIN (EAN)	4099987235914	Installation size: 8
Qty.	1 ST	