

HDC CM HV 3 FC

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



The CM 3 HV module is an additional trend-setting expansion of the CM3 module line.

The CM 3 HV module is assembled with crimp contacts. The crimp contact features a stainless steel spring. The provides a secure snap-in contact with the module.

A customized contact removal tool is available for removing the contacts.

The power modules can be ordered with or without the integrated module release aid. A removal tool is available for modules that do not have the integrated module release aid.

General ordering data

Version	Heavy-duty connectors, HDC insert, ConCept module
Order No.	1862060000
Type	HDC CM HV 3 FC
GTIN (EAN)	4032248425495
Qty.	10 items

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Technical data

Approvals

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ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E92202

Dimensions and weights

Depth	34 mm	Depth (inches)	1.3386 inch
Height	43 mm	Height (inches)	1.6929 inch
Width	11.4 mm	Width (inches)	0.4488 inch
Net weight	7.6 g		

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	Potassium perfluorobutane sulfonate 29420-49-3
SCIP	1609748e-c278-4c9b-b3d1-e6215d2988cd

ConCept Pneumatic module

UL 94 flammability rating	V-0	Colour	beige
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Dimensions

Width	11.4 mm	Total length base	34 mm
Height of socket	43 mm		

General data

Number of poles	3	Type of connection	Crimp connection
UL 94 flammability rating	V-0	Volume resistance	≤1 mΩ
Colour	beige	Insulation resistance	1012 Ω
Insulating material	PC glass-fibre reinforced (UL-listed and railway-certified)	Type	Female
Surge voltage category	III	Pollution severity	3
Basic material	Polycarbonate, glass fibre reinforced	Series	ConCept module
Rated voltage (DIN EN 61984)	1000 V	Rated impulse voltage (DIN EN 61984)	8 kV
Rated current (DIN EN 61984)	57 A	Free from halogens	false
Low smoke acc. DIN EN 45545-2	Yes		

Connection data PE

Connection type PE	Screw connection via module frame
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Version

Wire connection cross section AWG, max.	AWG 7	Stripping length, rated connection	10 mm
Type of connection	Crimp connection	Volume resistance	≤1 mΩ

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Wire connection cross section AWG, min.	AWG 16	Conductor cross-section, max.	10 mm ²
Conductor cross-section, min.	1.5 mm ²	Basic material	Polycarbonate, glass fibre reinforced

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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Accessories

Modul removal tool



Weidmüller offers a variety of crimping tools, no-contact tools, and fibre optic tools.

General ordering data

Type	HDC-DW-MOD	Version	
Order No.	1688200000	Tool miscellaneous, Contact Removal Tool	
GTIN (EAN)	4008190857189		
Qty.	1 ST		

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	CTX CM 1.6/2.5	Version	
Order No.	9018490000	Pressing tool, Crimping tool for contacts, 0.14mm ² , 4mm ² , W crimp	
GTIN (EAN)	4008190884598		
Qty.	1 ST		
Type	CTX CM 3.6	Version	
Order No.	9018480000	Pressing tool, Crimping tool for contacts, 4mm ² , 10mm ² , W crimp	
GTIN (EAN)	4008190884581		
Qty.	1 ST		

Contact removal tools



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Accessories

General ordering data

Type	REMOVAL TOOL CM 3	Version	
Order No.	1866710000	Tools, Contact Removal Tool	
GTIN (EAN)	4032248437030		
Qty.	1 ST		

Crimp contacts CM3



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-M3-BM1.5AG	Version	
Order No.	1698130000	Heavy-duty connectors, Crimp contact, CM 3, Female, Conductor	
GTIN (EAN)	4008190885045	cross-section, max.: 1.5, turned, Copper alloy	
Qty.	100 ST		
Type	HDC-C-M3-BM2.5AG	Version	
Order No.	1698150000	Heavy-duty connectors, Crimp contact, CM 3, Female, Conductor	
GTIN (EAN)	4008190885069	cross-section, max.: 2.5, turned, Copper alloy	
Qty.	100 ST		
Type	HDC-C-M3-BM4.0AG	Version	
Order No.	1682270000	Heavy-duty connectors, Crimp contact, CM 3, Female, Conductor	
GTIN (EAN)	4008190474003	cross-section, max.: 4, turned, Copper alloy	
Qty.	100 ST		
Type	HDC-C-M3-BM6.0AG	Version	
Order No.	1682290000	Heavy-duty connectors, Crimp contact, CM 3, Female, Conductor	
GTIN (EAN)	4008190474027	cross-section, max.: 6, turned, Copper alloy	
Qty.	100 ST		
Type	HDC-C-M3-BM10.0AG	Version	
Order No.	1682310000	Heavy-duty connectors, Crimp contact, CM 3, Female, Conductor	
GTIN (EAN)	4008190474041	cross-section, max.: 10, turned, Copper alloy	
Qty.	100 ST		