HDC MHX 3 MC

Flexible

The four module sizes make for individual plug solutions that save a huge amount of space. The smaller pitch translates into an optimised design too.

General ordering data

Version	Power module, 690 V, 40 A, Number of poles: 3, Crimp connection, Pin, Required plug-in slots: 1
Order No.	1429340000
Type	HDC MHX 3 MC
GTIN (EAN)	4050118233599
Qty.	1 items

HDC MHX 3 MC

Technical data

Approvals

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

Dimensions and weights

Depth	34 mm	Depth (inches)	1.3386 inch
Height	40.75 mm	Height (inches)	1.6043 inch
Width	14.5 mm	Width (inches)	0.5709 inch
Net weight	8.6 g		

Temperatures

Limit temperature	-40 °C ... 125 °C

Environmental Product Compliance

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

General data

Number of poles	3	UL 94 flammability rating	V-0
Insulation resistance	1012 Ω	Plugging cycles	≥ 500
Type	Pin	Surge voltage category	III
Pollution severity	3	Basic material	Polycarbonate, glass fibre reinforced
Series	ModuPlug	Rated voltage (DIN EN 61984)	690 V
Rated voltage according to UL/CSA	600 V	Rated impulse voltage (DIN EN 61984)	8 kV
Rated current (DIN EN 61984)	40 A	Required plug-in slots	1

PE connection data

Connection type PE	Screw connection via module frame

Version
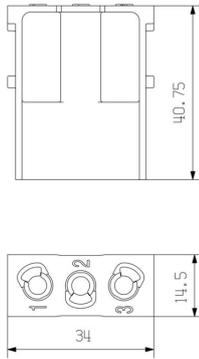
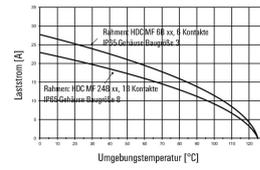|			
Wire connection cross section AWG, max.	AWG 8	Stripping length, rated connection	8 mm
Type of connection	Crimp connection	Wire connection cross section AWG, min.	AWG 16
Conductor cross-section, max.	10 mm²	Conductor cross-section, min.	1.5 mm²

Classifications

ETIM 8.0	EC000438	ETIM 9.0	EC000438
ETIM 10.0	EC000438	ECLASS 14.0	27-44-02-17
ECLASS 15.0	27-44-02-17		

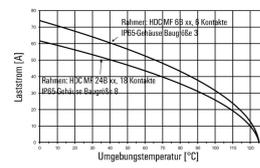Creation date 18.03.2026 11:14:51 MEZ
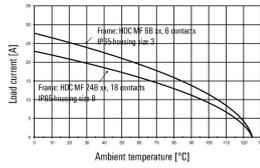
HDC MHX 3 MC

Drawings

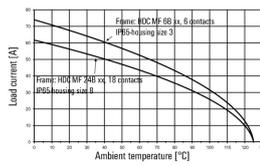**HDC-MHX 3-Module im IP65-Gehäuse, Leiter H07V-K1,5:**

HDC-MHX 3-Module im IP65-Gehäuse, Leiter H07V-K10:

HDC-MHX 3-modules in the IP65-housing, Conductor H07V-K1.5:

HDC-MHX 3-modules in the IP65-housing, Conductor H07V-K10:

HDC MHX 3 MC

Accessories

Crimp contacts HX

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 HX SM1.5AG	Version	
Order No.	1002910000	Heavy-duty connectors, Crimp contact, MixMate, Male, Conductor	
GTIN (EAN)	4032248697090	cross-section, max.: 1.5, turned, Copper alloy	
Qty.	25 ST		
Type	HDC C HX SM2.5AG	Version	
Order No.	1002920000	Heavy-duty connectors, Crimp contact, MixMate, Male, Conductor	
GTIN (EAN)	4032248697106	cross-section, max.: 2.5, turned, Copper alloy	
Qty.	25 ST		
Type	HDC C HX SM4.0AG	Version	
Order No.	1002930000	Heavy-duty connectors, Crimp contact, MixMate, Male, Conductor	
GTIN (EAN)	4032248697212	cross-section, max.: 4, turned, Copper alloy	
Qty.	25 ST		
Type	HDC C HX SM6.0AG	Version	
Order No.	1002940000	Heavy-duty connectors, Crimp contact, MixMate, Male, Conductor	
GTIN (EAN)	4032248697229	cross-section, max.: 6, turned, Copper alloy	
Qty.	25 ST		
Type	HDC C MHX SM10.0AG	Version	
Order No.	2494550000	Heavy-duty connectors, Crimp contact, MHX, Male, Conductor cross-	
GTIN (EAN)	4050118504521	section, max.: 8, turned, Copper alloy	
Qty.	25 ST		

Standard

Simple
The innovative sliding frame has two defined lock-in positions for opening and closing. This enables simple and tool-free module assembly.

General ordering data

Type	HDC MF 6B AB	Version	
Order No.	1428920000	Frame	
GTIN (EAN)	4050118233414		
Qty.	1 ST		

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HDC MHX 3 MC

Accessories

Type	HDC MF 6B BA	Version	
Order No.	1428940000	Frame	
GTIN (EAN)	4050118233353		
Qty.	1 ST		
Type	HDC MF 10B AC	Version	
Order No.	1428960000	Frame	
GTIN (EAN)	4050118233223		
Qty.	1 ST		
Type	HDC MF 10B CA	Version	
Order No.	1428980000	Frame	
GTIN (EAN)	4050118233278		
Qty.	1 ST		
Type	HDC MF 16B AD	Version	
Order No.	1429010000	Frame	
GTIN (EAN)	4050118233315		
Qty.	1 ST		
Type	HDC MF 16B DA	Version	
Order No.	1429030000	Frame	
GTIN (EAN)	4050118233407		
Qty.	1 ST		
Type	HDC MF 24B AF	Version	
Order No.	1429050000	Frame	
GTIN (EAN)	4050118233285		
Qty.	1 ST		
Type	HDC MF 24B FA	Version	
Order No.	1429070000	Frame	
GTIN (EAN)	4050118233520		
Qty.	1 ST		

HDC MHX 3 MC

Counterpart

Electrical modules

Flexible
The four module sizes make for individual plug solutions that save a huge amount of space. The smaller pitch translates into an optimised design too.

General ordering data

Type	HDC MHX 3 FC	Version	
Order No.	1429350000	Power module, 690 V, 40 A, Number of poles: 3, Crimp connection,	
GTIN (EAN)	4050118233476	Female, Required plug-in slots: 1	
Qty.	1 ST		

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