HDC MHP 100 MAS

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, 1000 V, 100 A, Number of poles: 2, Axial screw connection, Male, Required plug-in slots: 2
Order No.	2748280000
Type	HDC MHP 100 MAS
GTIN (EAN)	4050118891034
Qty.	2 items

HDC MHP 100 MAS

Technical data

Approvals

Approvals	

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

Dimensions and weights

Depth	34 mm	Depth (inches)	1.3386 inch
Height	49 mm	Height (inches)	1.9291 inch
Width	34.2 mm	Width (inches)	1.3465 inch
Net weight	24.9 g		

Temperatures

Limit temperature	-40 °C ... 125 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	fa505316-3e43-4ad0-930c-360dfdbe182a

General data

Number of poles	2	UL 94 flammability rating	V-0
Insulating material	Polycarbonate	Plugging cycles	≥ 500
Type	Male	Surge voltage category	III
Pollution severity	3	Basic material	Polycarbonate
Series	ModuPlug	Rated voltage (DIN EN 61984)	1000 V
Rated voltage according to UL/CSA	600 V	Rated impulse voltage (DIN EN 61984)	8 kV
Rated current (DIN EN 61984)	100 A	Required plug-in slots	2

Version

Wire connection cross section AWG, max.	AWG 2	Type of connection	Axial screw connection
Wire connection cross section AWG, min.	AWG 8	Conductor cross-section, max.	35 mm²
Conductor cross-section, min.	10 mm²		

Power contact

Clamping range, power contact, max.	35 mm²		
Clamping range, power contact, min.	10 mm²		
Tightening torque, max. according to the conductor cross-section	Conductor cross-section, min.	10 mm²	
	Conductor cross-section, max.	16 mm²	
	Tightening torque, max.	6 Nm	
	Conductor cross-section, max.	25 mm²	
	Tightening torque, max.	7 Nm	
	Conductor cross-section, max.	35 mm²	
	Tightening torque, max.	8 Nm	

Creation date 14.03.2026 07:50:45 MEZ

HDC MHP 100 MAS

Technical data

Stripping length according to the cable diameter	Cable diameter, max.	9 mm
	Stripping length	14.00 mm
	Cable diameter, max.	11.5 mm
	Stripping length	16.00 mm

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 14.03.2026 07:50:45 MEZ

HDC MHP 100 MAS

Drawings

29,3

49,1

34,1

I [A]

160
140
120
100
80
60
40
20
0

❶ = 35 mm²
❷ = 25 mm²
❸ = 16 mm²

0 10 20 30 40 50 60 70 80 90 100 110 120 130

ϑ [°C]
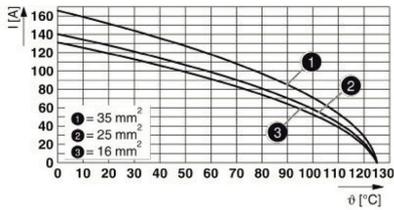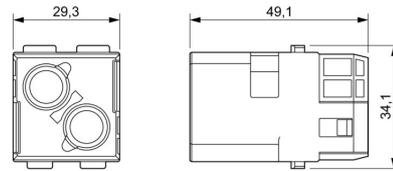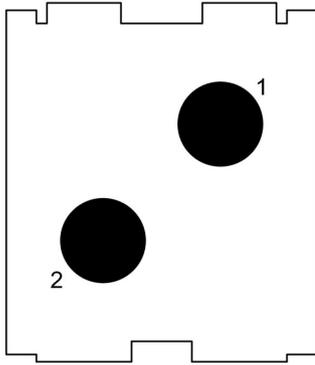
HDC MHP 100 MAS

Accessories

Standard

General ordering data

Type	HDC MF 6B AB	Version	
Order No.	1428920000	Frame	
GTIN (EAN)	4050118233414		
Qty.	1 ST		
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 MHP 100 MAS

Accessories

With long guiding pin
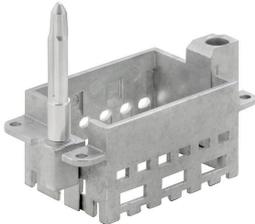
Type	HDC MFGL 10B AC	Version	
Order No.	2736990000	Frame	
GTIN (EAN)	4050118823042		
Qty.	1 ST		
Type	HDC MFGL 6B AB	Version	
Order No.	2736970000	Frame	
GTIN (EAN)	4050118823035		
Qty.	1 ST		
Type	HDC MFGL 24B FA	Version	
Order No.	2737040000	Frame	
GTIN (EAN)	4050118823097		
Qty.	1 ST		

General ordering data

With short guiding pin

General ordering data

Type	HDC MFGS 16B DA	Version	
Order No.	2736940000	Frame	
GTIN (EAN)	4050118823004		
Qty.	1 ST		
Type	HDC MFGS 24B AF	Version	
Order No.	2736950000	Frame	
GTIN (EAN)	4050118823011		
Qty.	1 ST		

HDC MHP 100 MAS

Accessories

With long guiding pin
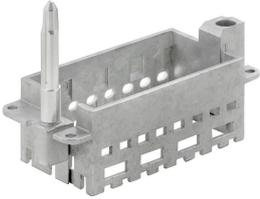
General ordering data

Type	HDC MFGL 16B DA	Version	
Order No.	2737020000	Frame	
GTIN (EAN)	4050118823073		
Qty.	1 ST		

With short guiding pin
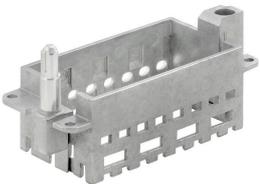
General ordering data

Type	HDC MFGS 16B AD	Version	
Order No.	2736930000	Frame	
GTIN (EAN)	4050118822298		
Qty.	1 ST		

With long guiding pin
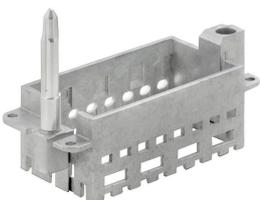
General ordering data

Type	HDC MFGL 16B AD	Version	
Order No.	2737010000	Frame	
GTIN (EAN)	4050118823066		
Qty.	1 ST		

Creation date 14.03.2026 07:50:45 MEZ

Accessories

With short guiding pin

General ordering data

Type	HDC MFGS 6B AB	Version	
Order No.	2736890000	Frame	
GTIN (EAN)	4050118822250		
Qty.	1 ST		
Type	HDC MFGS 24B FA	Version	
Order No.	2736960000	Frame	
GTIN (EAN)	4050118823028		
Qty.	1 ST		
Type	HDC MFGS 10B AC	Version	
Order No.	2736910000	Frame	
GTIN (EAN)	4050118822274		
Qty.	1 ST		

With long guiding pin
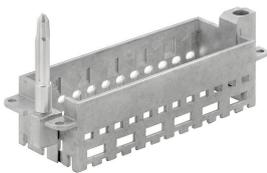
General ordering data

Type	HDC MFGL 24B AF	Version	
Order No.	2737030000	Frame	
GTIN (EAN)	4050118823080		
Qty.	1 ST		
Type	HDC MFGL 10B CA	Version	
Order No.	2737000000	Frame	
GTIN (EAN)	4050118823059		
Qty.	1 ST		

HDC MHP 100 MAS

Accessories

With short guiding pin

General ordering data

Type	HDC MFGS 6B BA	Version	
Order No.	2736900000	Frame	
GTIN (EAN)	4050118822267		
Qty.	1 ST		
Type	HDC MFGS 10B CA	Version	
Order No.	2736920000	Frame	
GTIN (EAN)	4050118822281		
Qty.	1 ST		

With long guiding pin

General ordering data

Type	HDC MFGL 6B BA	Version	
Order No.	2736980000	Frame	
GTIN (EAN)	4050118822908		
Qty.	1 ST		

HDC MHP 100 MAS

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 MHP 100 FAS	Version	
Order No.	2748290000	Power module, 1000 V, 100 A, Number of poles: 2, Axial screw	
GTIN (EAN)	4050118891126	connection, Female, Required plug-in slots: 2	
Qty.	2 ST		

Creation date 14.03.2026 07:50:45 MEZ

Catalogue status / Drawings