

## High Current Connectors - UHV 25-M8/M8 - 2130208

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High-current connector with bolt connection, cross section: 6 - 25 mm<sup>2</sup>, AWG: 10 - 4, width: 26 mm, color: gray


The illustration shows a combination of versions UHV 25-AS/AS, UHV 25-KH/AS and UHV 25-KH/KH

### Why buy this product

- The comprehensive range of accessories, such as the connection rail for cross connection, ensures safe and user-friendly wiring of conductors up to 240 mm<sup>2</sup>
- The UHV ... high-current connectors are available in several versions
- Versions are available with a cable lug or direct connection and there is a mixed version of both connection methods



### Key Commercial Data

Packing unit	10 STK
GTIN	 4 017918 052980
Weight per Piece (excluding packing)	88.77 g
Custom tariff number	85369010
Country of origin	India

### Technical data

#### General

Number of levels	1
Number of connections	2
Potentials	1
Nominal cross section	25 mm <sup>2</sup>
Color	gray
Insulating material	PA-F
Flammability rating according to UL 94	HB

# High Current Connectors - UHV 25-M8/M8 - 2130208

## Technical data

### General

Rated surge voltage	8 kV
Degree of pollution	3
Overtoltage category	III
Insulating material group	II
Maximum load current	101 A (with 25 mm <sup>2</sup> conductor cross section)
Nominal current I <sub>N</sub>	101 A
Nominal voltage U <sub>N</sub>	1000 V
Open side panel	No

### Dimensions

Width	26 mm
Length	88 mm
Height NS 35/15	53 mm

### Connection data

Connection method	Bolt connection
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid min.	6 mm <sup>2</sup>
Conductor cross section solid max.	25 mm <sup>2</sup>
Conductor cross section AWG min.	10
Conductor cross section AWG max.	3
Conductor cross section flexible min.	6 mm <sup>2</sup>
Conductor cross section flexible max.	25 mm <sup>2</sup>
Min. AWG conductor cross section, flexible	10
Max. AWG conductor cross section, flexible	3
Conductor cross section flexible, with ferrule without plastic sleeve min.	4 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	4 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	25 mm <sup>2</sup>
2 conductors with same cross section, solid min.	2.5 mm <sup>2</sup>
2 conductors with same cross section, solid max.	10 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	4 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	10 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	2.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	10 mm <sup>2</sup>
Cable lug connection according to standard	DIN 46235
Min. cross section for cable lug connection	16 mm <sup>2</sup>
Max. cross section for cable lug connection	25 mm <sup>2</sup>
Hole diameter, min.	8.4 mm
Bolt diameter	8 mm

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## Technical data

### Connection data

Screw thread	M8
Tightening torque, min	15 Nm
Tightening torque max	20 Nm
Cable lug connection according to standard	DIN 46234
Min. cross section for cable lug connection	2.5 mm <sup>2</sup>
Max. cross section for cable lug connection	25 mm <sup>2</sup>
Hole diameter, min.	8.4 mm
Bolt diameter	8 mm
Screw thread	M8
Tightening torque, min	15 Nm
Tightening torque max	20 Nm
Stripping length	21 mm
Tightening torque, min	4 Nm
Tightening torque max	4.5 Nm
Power rail	15 mm x 3 mm

### Standards and Regulations

Connection in acc. with standard	CSA
	IEC 60947-7-1
	DIN 46235
	DIN 46234
Flammability rating according to UL 94	HB

## Drawings

Circuit diagram



Circuit diagram

1  
= high current connector. AS screw set on both sides  
2  
= high current connector. terminal sleeve KH on

# High Current Connectors - UHV 25-M8/M8 - 2130208

one  
side,  
screw  
set  
AS  
on  
the  
other  
side  
3  
=  
high  
current  
connector.  
terminal  
sleeves  
KH  
on  
both  
sides,  
for  
direct  
cable  
connection  
7  
=  
separating  
plate  
8  
=  
end  
piece  
9  
=  
flat  
bracket

## Classifications

### eCl@ss

eCl@ss 4.0	27141120
eCl@ss 4.1	27141120
eCl@ss 5.0	27141120
eCl@ss 5.1	27141120
eCl@ss 6.0	27141120
eCl@ss 7.0	27141120
eCl@ss 8.0	27141120
eCl@ss 9.0	27141120

### ETIM

ETIM 2.0	EC000897
ETIM 3.0	EC000897
ETIM 4.0	EC000897
ETIM 5.0	EC000897

### UNSPSC

UNSPSC 6.01	30211811
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# High Current Connectors - UHV 25-M8/M8 - 2130208

## Classifications

### UNSPSC

UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410

## Approvals

### Approvals

Approvals

CSA / UL Recognized / GL / EAC

Ex Approvals

Approvals submitted

### Approval details

CSA		
	B	C
mm <sup>2</sup> /AWG/kcmil	6-4	6-4
Nominal current I <sub>N</sub>	100 A	100 A
Nominal voltage U <sub>N</sub>	600 V	600 V

UL Recognized		
mm <sup>2</sup> /AWG/kcmil	6-4	
Nominal current I <sub>N</sub>	85 A	
Nominal voltage U <sub>N</sub>	600 V	

GL

EAC

## High Current Connectors - UHV 25-M8/M8 - 2130208

### Accessories

#### Accessories

#### Bridge

Connection rail - UHV 25-VS 2 - 2130541



Connection rail, Number of positions: 2, Color: silver

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Connection rail - UHV 25-VS 3 - 2130554



Connection rail, Number of positions: 3, Color: silver

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#### Connector

Ring cable lug - C-RC 2,5/M8 DIN - 3240081



Ring cable lug, non-insulated, 1.1 ... 2.5 mm<sup>2</sup>, M8

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Ring cable lug - C-RC 6/M8 DIN - 3240086



Ring cable lug, non-insulated, 2.6 ... 6 mm<sup>2</sup>, M8

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Ring cable lug - C-RC 10/M8 DIN - 3240091



Ring cable lug, non-insulated, 10 mm<sup>2</sup>, M8

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## High Current Connectors - UHV 25-M8/M8 - 2130208

### Accessories

Ring cable lug - C-RC 16/M8 DIN - 3240096



Ring cable lug, non-insulated, 16 mm<sup>2</sup>, M8

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Ring cable lug - C-RC 25/M8 DIN - 3240101



Ring cable lug, non-insulated, 25 mm<sup>2</sup>, M8

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### Cover

Covering hood - UHV 25-AH - 2130431



Covering hood, Width: 22.8 mm, Height: 53.2 mm, Color: gray

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### DIN rail

DIN rail perforated - NS 32 PERF 2000MM - 1201002



G-profile DIN rail, material: Steel, perforated, height 15 mm, width 32 mm, length 2 m

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DIN rail, unperforated - NS 32 UNPERF 2000MM - 1201015



G-profile DIN rail, material: Steel, unperforated, height 15 mm, width 32 mm, length 2 m

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### End block

## High Current Connectors - UHV 25-M8/M8 - 2130208

### Accessories

End clamp - E/AL-NS 32 - 1201659



End clamp, for end support of UKH 50 - UKH 240, is pushed onto DIN rail NS 32 and fixed with 2 screws, width: 10 mm, color: Aluminum

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End clamp - E/AL-NS 35 - 1201662



End clamp, for end support of UKH 50 to UKH 240, is pushed onto DIN rail NS 35 and fixed with 2 screws, width: 10 mm, color: aluminum

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### Labeled terminal marker

Zack marker strip - ZB 10 CUS - 0824941



Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, Mounting type: Snap into tall marker groove, for terminal block width: 10.2 mm, Lettering field: 10.15 x 10.5 mm

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Zack marker strip - ZB10,LGS:FORTL.ZAHLEN - 1053014



Zack marker strip, Strip, white, labeled, can be labeled with: Plotter, Printed horizontally: Consecutive numbers 1 - 10, 11 - 20, etc. up to 991 - 1000, Mounting type: Snap into tall marker groove, for terminal block width: 10.2 mm, Lettering field: 10.15 x 10.5 mm

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Zack marker strip - ZB10,QR:FORTL.ZAHLEN - 1053027



Zack marker strip, Strip, white, labeled, can be labeled with: Plotter, Printed vertically: Consecutive numbers 1 - 10, 11 - 20, etc. up to 991 - 1000, Mounting type: Snap into tall marker groove, for terminal block width: 10.2 mm, Lettering field: 10.15 x 10.5 mm

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## High Current Connectors - UHV 25-M8/M8 - 2130208

### Accessories

#### Zack marker strip - ZB10,LGS:GLEICHE ZAHLEN - 1053030



Zack marker strip, Strip, white, labeled, can be labeled with: Plotter, Printed horizontally: Identical numbers 1 or 2, etc. up to 100, Mounting type: Snap into tall marker groove, for terminal block width: 10.2 mm, Lettering field: 10.15 x 10.5 mm

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#### Marker for terminal blocks - ZB10,LGS:L1-N,PE - 1053412



Marker for terminal blocks, Strip, white, labeled, can be labeled with: Plotter, Horizontal: L1, L2, L3, N, PE, L1, L2, L3, N, PE, Mounting type: Snap into tall marker groove, for terminal block width: 10.2 mm, Lettering field: 10.15 x 10.5 mm

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#### Marker for terminal blocks - ZB10,LGS:U-N - 1053438



Marker for terminal blocks, Strip, white, labeled, can be labeled with: Plotter, Horizontal: U, V, W, N, GND, U, V, W, N, GND, Mounting type: Snap into tall marker groove, for terminal block width: 10.2 mm, Lettering field: 10.15 x 10.5 mm

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#### Marker for terminal blocks - UC-TM 10 CUS - 0824605



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, Mounting type: Snap into tall marker groove, for terminal block width: 10.2 mm, Lettering field: 9.6 x 10.5 mm

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#### Marker for terminal blocks - UCT-TM 10 CUS - 0829623



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, Mounting type: Snap into tall marker groove, for terminal block width: 10.2 mm, Lettering field: 8.9 x 9.6 mm

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### Partition plate

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### Accessories

Separating plate - UHV -TP1 - 2130402



Separating plate, Width: 2 mm, Height: 67.5 mm, Color: gray

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### Screwdriver tools

Screwdriver - SZS 1,0X6,5 VDE - 1205079



Screwdriver, slot-headed, VDE insulated, size: 1.0 x 6.5 x 150 mm, 2-component grip, with non-slip grip

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### Terminal marking

Marker card - SBS10:UNBEDRUCKT - 1007248



Marker card, Card, white, unlabeled, can be labeled with: Plotter, Perforated, Mounting type: Snap into tall marker groove, Snap into flat marker groove, for terminal block width: 10 mm, Lettering field: 6 x 10.1 mm

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Zack marker strip - ZB 10:UNBEDRUCKT - 1053001



Zack marker strip, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 10.2 mm, Lettering field: 10.5 x 10.15 mm

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Marker for terminal blocks - UC-TM 10 - 0818069



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK CLED, BLUEMARK LED, Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 10.2 mm, Lettering field: 9.6 x 10.5 mm

## High Current Connectors - UHV 25-M8/M8 - 2130208

### Accessories

Marker for terminal blocks - UCT-TM 10 - 0829142



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: THERMOMARK CARD, BLUEMARK CLED, BLUEMARK LED, TOPMARK LASER, Mounting type: Snap into tall marker groove, for terminal block width: 10.2 mm, Lettering field: 8.9 x 9.6 mm

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### Necessary add-on products

Flange cover - UHV -E - 2130428



Flange cover, Length: 43.3 mm, Width: 5.2 mm, Color: gray