

High Current Connectors - UHV150-KH/KH - 2130185

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Universal terminal block with screw connection, cross section: 50 - 150 mm², width: 46 mm, color: gray


The figure shows a combination of versions UHV 150-AS/AS, UHV 150-KH/AS and UHV 150-KH/KH

Why buy this product

- ✓ 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
- ✓ The comprehensive range of accessories, such as the connection rail for cross connection, ensures safe and user-friendly wiring of conductors up to 240 mm²

RoHS

Key Commercial Data

Packing unit	10 STK
GTIN	 4 017918 052966
GTIN	4017918052966

Technical data

General

Number of levels	1
Number of connections	2
Nominal cross section	150 mm ²
Color	gray
Insulating material	PA-F
Flammability rating according to UL 94	V2
Rated surge voltage	8 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	II
Maximum power dissipation for nominal condition	9.55 W

High Current Connectors - UHV150-KH/KH - 2130185

Technical data

General

Connection in acc. with standard	IEC 60947-7-1
Nominal current I_N	309 A
Maximum load current	309 A (with 150 mm ² conductor cross section)
Nominal voltage U_N	1000 V
Open side panel	No

Dimensions

Length	128.5 mm
Width	46 mm
Height NS 35/15	100 mm

Connection data

Connection method	Screw connection
Conductor cross section solid min.	35 mm ²
Conductor cross section solid max.	150 mm ²
Conductor cross section flexible min.	50 mm ²
Conductor cross section flexible max.	150 mm ²
Conductor cross section AWG min.	2
Conductor cross section AWG max.	300 kcmil
Conductor cross section flexible, with ferrule without plastic sleeve min.	50 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	150 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	50 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	150 mm ²
2 conductors with same cross section, solid min.	25 mm ²
2 conductors with same cross section, solid max.	50 mm ²
2 conductors with same cross section, stranded min.	35 mm ²
2 conductors with same cross section, stranded max.	50 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	25 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	50 mm ²
Stripping length	34 mm
Screw thread	M10
Tightening torque, min	25 Nm
Tightening torque max	30 Nm

Standards and Regulations

Connection in acc. with standard	CSA
	IEC 60947-7-1
Flammability rating according to UL 94	V2

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
------------	----------------

High Current Connectors - UHV150-KH/KH - 2130185

Technical data

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

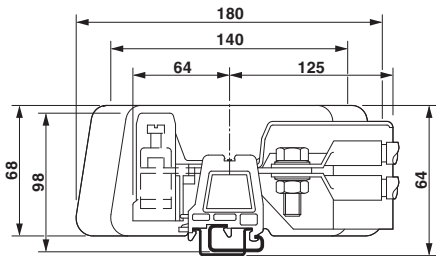
Pictogram



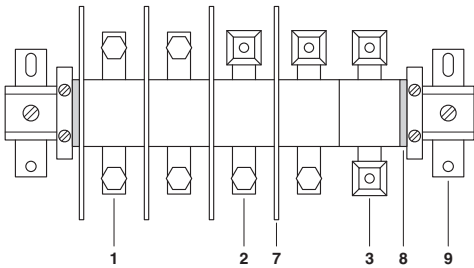
Circuit diagram



Dimensional drawing

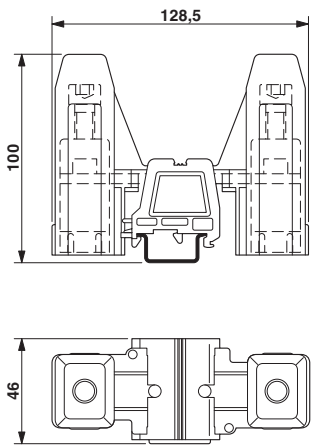


Schematic diagram

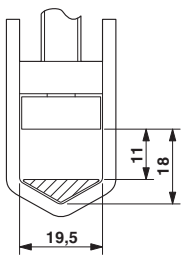


- 1 = high current connector, AS screw set on both sides
- 2 = high current connector, terminal sleeve KH on one side, screw set AS on the other side
- 3 = high current connector, terminal sleeves KH on both sides, for direct cable connection
- 7 = separating plate
- 8 = end piece
- 9 = flat bracket

Dimensional drawing



Dimensional drawing



High Current Connectors - UHV150-KH/KH - 2130185

Approvals


Approvals


Approvals

CSA / UL Recognized / PRS / EAC

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
	B	C	
Nominal voltage UN	600 V	600 V	
Nominal current IN	275 A	275 A	
mm²/AWG/kcmil	2-300	2-300	

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
	B	C	
Nominal voltage UN	600 V	600 V	
Nominal current IN	285 A	285 A	
mm²/AWG/kcmil	2-300	2-300	

PRS		http://www.prs.pl/	TE/1824/880590/09
-----	---	---	-------------------

EAC		EAC-Zulassung
-----	---	---------------

Phoenix Contact 2018 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>