

High Current Connectors - UHV240-KH/KH - 2130198

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: 70 - 240 mm², width: 53 mm, color: gray

The figure shows a combination of versions UHV 240-AS/AS, UHV 240-KH/AS and UHV 240-KH/KH

Your advantages

- ✓ 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
- ✓ Versions are available with a cable lug or direct connection and there is a mixed version of both connection methods
- ✓ The UHV ... high-current connectors are available in several versions

RoHS

Key Commercial Data

Packing unit	5 pc
GTIN	 4 017918 052973
GTIN	4017918052973

Technical data

General

Number of levels	1
Number of connections	2
Nominal cross section	240 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	13.78 W

High Current Connectors - UHV240-KH/KH - 2130198

Technical data

General

Connection in acc. with standard	IEC 60947-7-1
Nominal current I_N	415 A
Maximum load current	415 A (with 240 mm ² conductor cross section)
Nominal voltage U_N	1000 V
Open side panel	No

Dimensions

Length	128.5 mm
Width	53 mm
Height NS 35/15	105.5 mm

Connection data

Connection method	Screw connection
Conductor cross section solid min.	70 mm ²
Conductor cross section solid max.	240 mm ²
Conductor cross section flexible min.	70 mm ²
Conductor cross section flexible max.	240 mm ²
Conductor cross section AWG min.	2/0
Conductor cross section AWG max.	500 kcmil
Conductor cross section flexible, with ferrule without plastic sleeve min.	70 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	185 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	70 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	185 mm ²
2 conductors with same cross section, solid min.	35 mm ²
2 conductors with same cross section, solid max.	95 mm ²
2 conductors with same cross section, stranded min.	50 mm ²
2 conductors with same cross section, stranded max.	95 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	35 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
Power rail	40 mm x 5 mm

Standards and Regulations

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

Environmental Product Compliance

High Current Connectors - UHV240-KH/KH - 2130198

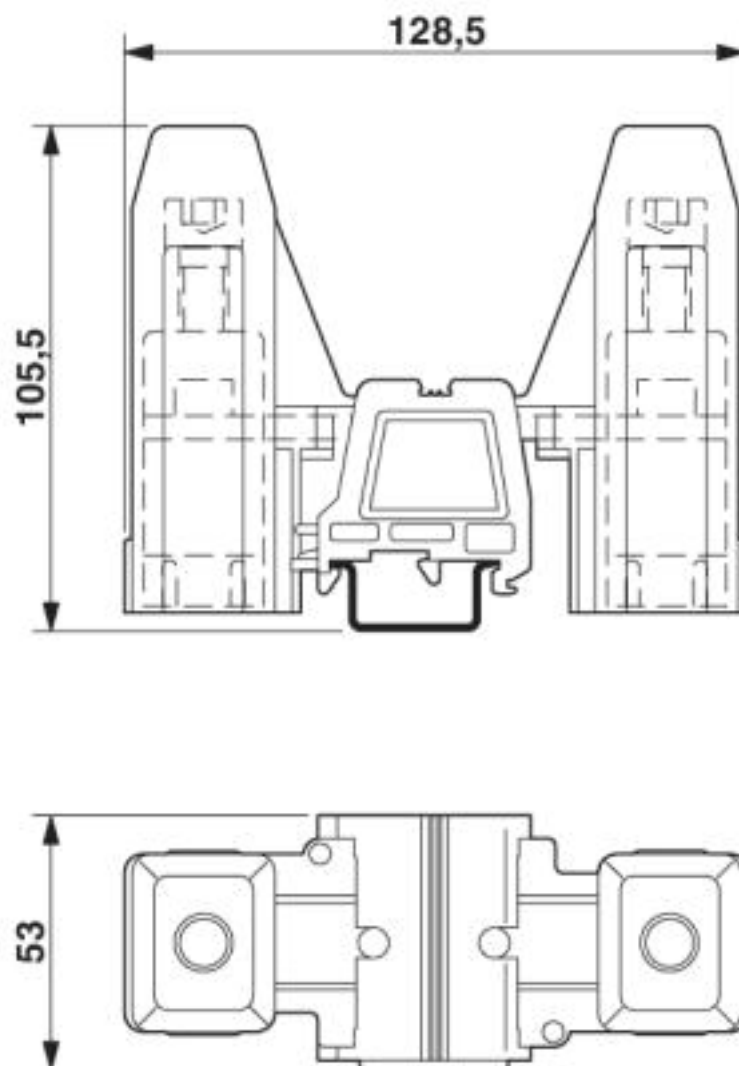
Technical data

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

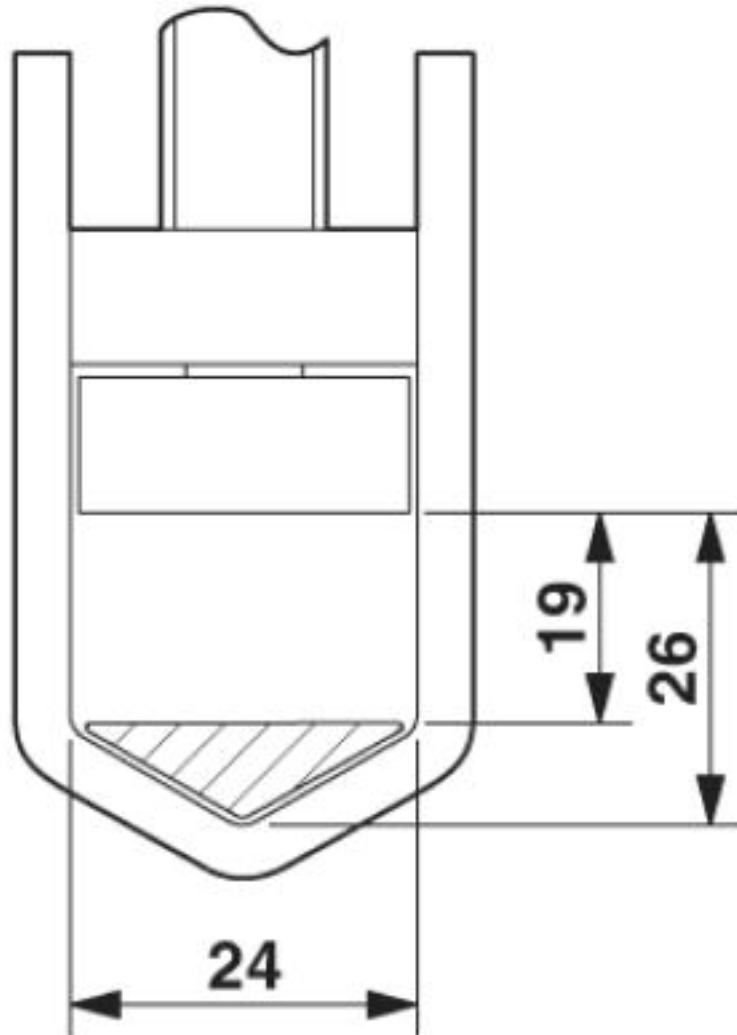
Drawings

Dimensional drawing



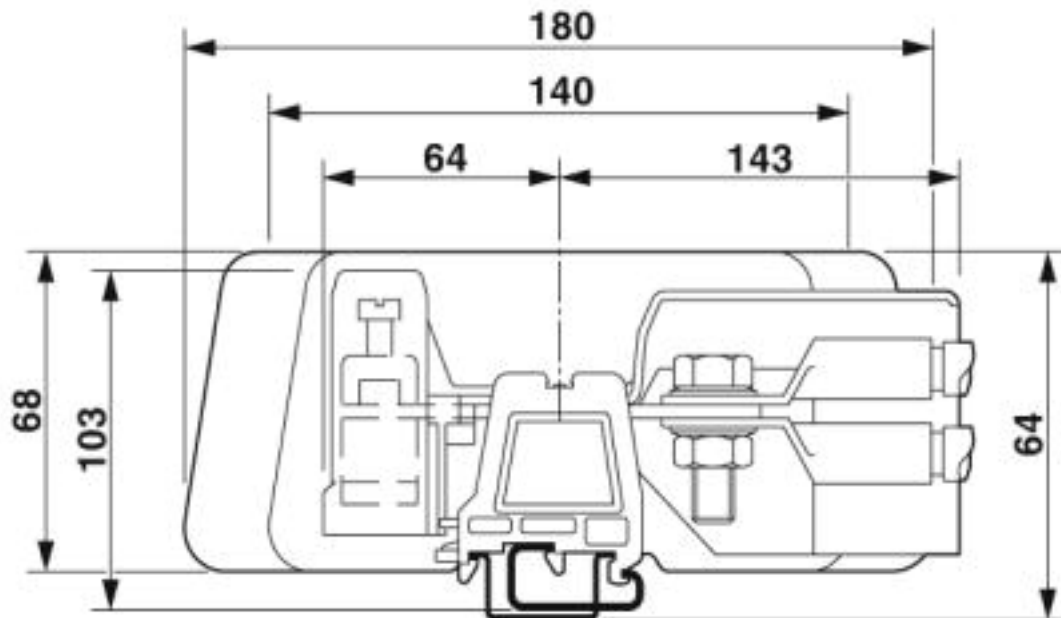
High Current Connectors - UHV240-KH/KH - 2130198

Dimensional drawing



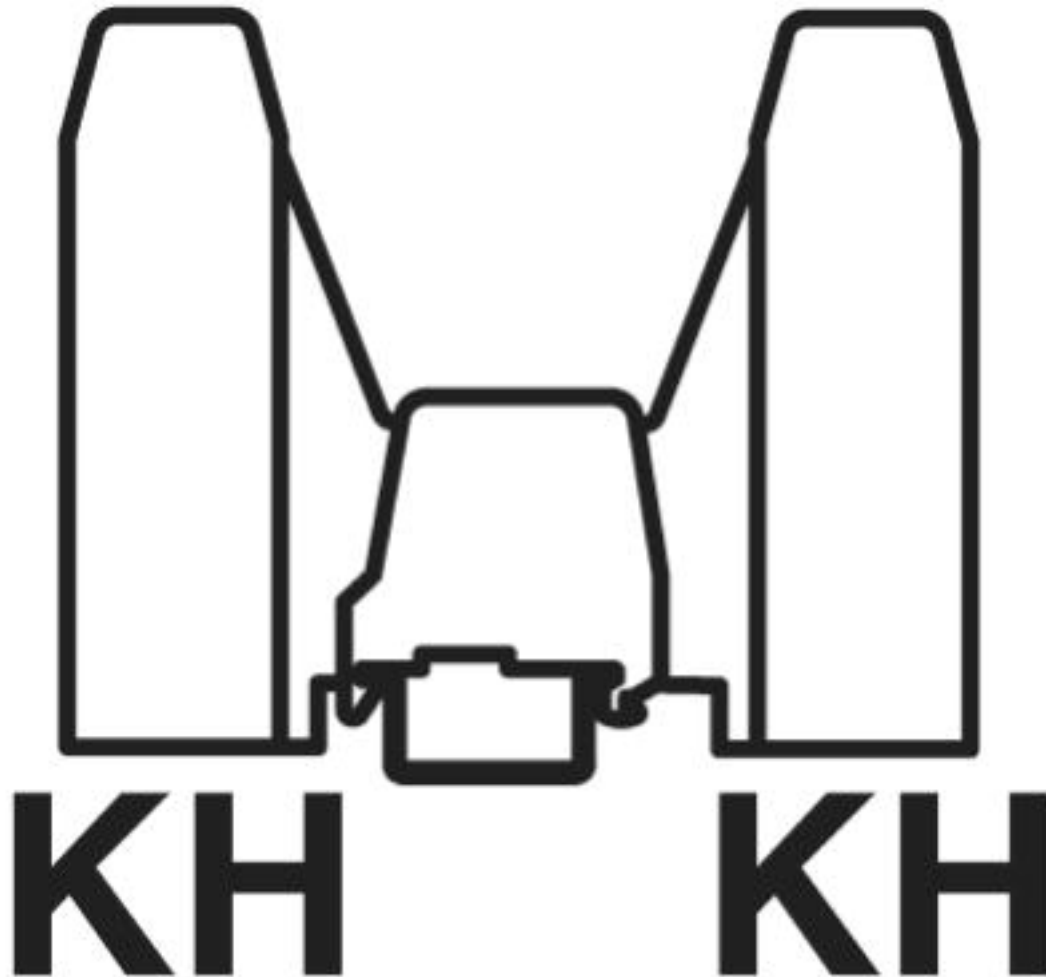
High Current Connectors - UHV240-KH/KH - 2130198

Dimensional drawing



High Current Connectors - UHV240-KH/KH - 2130198

Pictogram

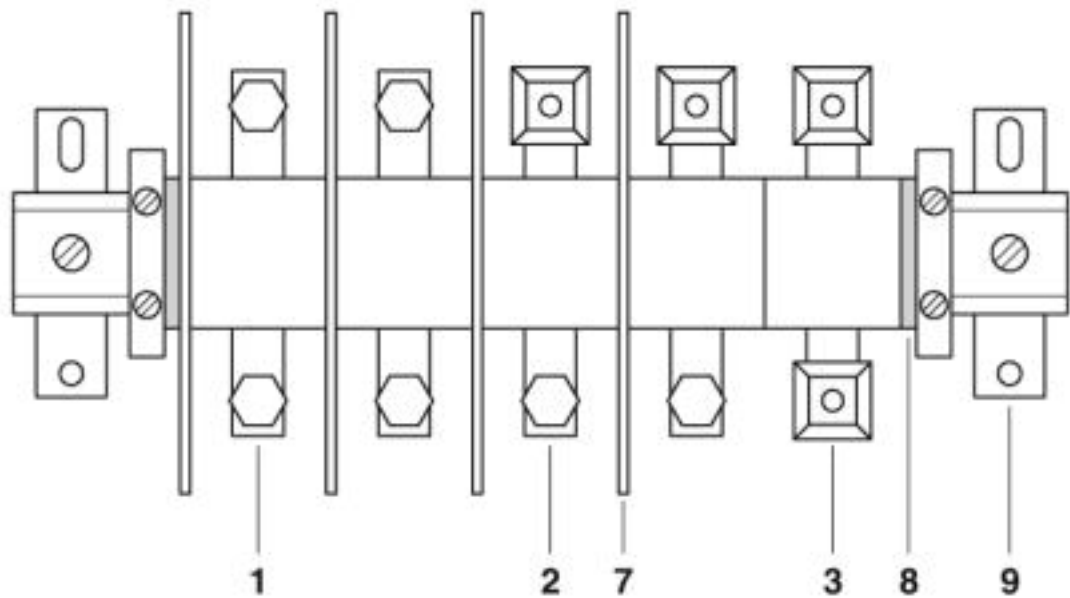


Circuit diagram



High Current Connectors - UHV240-KH/KH - 2130198

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

Approvals

Approvals

Approvals

CSA / UL Recognized / EAC / EAC

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
Nominal voltage UN		600 V	
Nominal current IN		400 A	
mm²/AWG/kcmil		500	

High Current Connectors - UHV240-KH/KH - 2130198

Approvals

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
Nominal voltage UN		600 V	
Nominal current IN		380 A	
mm²/AWG/kcmil		500	

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

EAC		RU C- DE.BL08.B.00540
-----	---	--------------------------

Phoenix Contact 2020 © - 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>