

# UK 5-HESI-T OG - Test disconnect terminal block



3004168

<https://www.phoenixcontact.com/us/products/3004168>

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 documentation. Our general terms of use for downloads are valid.



Test disconnect terminal block, For terminal marking, please use marking material with 8.2 mm pitch., nom. voltage: 800 V, nominal current: 6.3 A, connection method: Screw connection, Rated cross section: 1 mm<sup>2</sup>, cross section: 0.2 mm<sup>2</sup> - 4 mm<sup>2</sup>, mounting: NS 35/7,5, NS 35/15, NS 32, color: orange

## Commercial data

Item number	3004168
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BE12
Product key	BE1234
GTIN	4017918282196
Weight per piece (including packing)	23.62 g
Weight per piece (excluding packing)	23.62 g
Customs tariff number	85369095
Country of origin	TR

# UK 5-HESI-T OG - Test disconnect terminal block

3004168

<https://www.phoenixcontact.com/us/products/3004168>



## Technical data

### Notes

Note regarding marking	For terminal marking, please use marking material with 8.2 mm pitch.
Note regarding marking	For lever marking, please use marking material with 6.2 mm pitch.

### Product properties

Product type	Disconnect terminal block
Number of connections	2
Number of rows	1
Potentials	1

### Insulation characteristics

Ovvovoltage category	III
Degree of pollution	3

### Electrical properties

Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	1.02 W

### Connection data

Number of connections per level	2
Nominal cross section	4 mm <sup>2</sup>

### Level 1 above 1 below 1

Connection method	Screw connection
Screw thread	M3
Tightening torque	0.6 ... 0.8 Nm
Stripping length	8 mm
Internal cylindrical gage	A4
Connection in acc. with standard	IEC 60947-7-1
Conductor cross-section rigid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Cross section AWG	24 ... 12 (converted acc. to IEC)
Conductor cross-section flexible	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Flexible conductor cross-section (ferrule with plastic sleeve)	0.25 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Cross-section with insertion bridge, rigid	4 mm <sup>2</sup>
Cross-section with insertion bridge, flexible	4 mm <sup>2</sup>
2 conductors with same cross section, solid	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
2 conductors with same cross section, flexible	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>

# UK 5-HESI-T OG - Test disconnect terminal block



3004168

<https://www.phoenixcontact.com/us/products/3004168>

Nominal current	6.3 A
Maximum load current	6.3 A
Nominal voltage	800 V (As a disconnect terminal block)
Nominal cross section	1 mm <sup>2</sup>

## Dimensions

Width	8.2 mm
-------	--------

## Material specifications

Color	orange (RAL 2003)
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3
Calorimetric heat release NFPA 130 (ASTM E 1354)	28 MJ/kg
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Smoke gas toxicity NFPA 130 (SMP 800C)	passed

## Electrical tests

Surge voltage test	
Result	Test passed

Temperature-rise test	
Requirement temperature-rise test	45 K
Result	Test passed

Power-frequency withstand voltage	
Test voltage setpoint	2 kV
Result	Test passed

## Mechanical properties

Mechanical data	
Open side panel	No

## Mechanical tests

Mechanical strength	
---------------------	--

# UK 5-HESI-T OG - Test disconnect terminal block

3004168

<https://www.phoenixcontact.com/us/products/3004168>



Result	Test passed
--------	-------------

## Attachment on the carrier

DIN rail/fixing support	NS 32/NS 35
Result	Test passed

## Environmental and real-life conditions

Needle-flame test	
Time of exposure	30 s

## Ambient conditions

Ambient temperature (operation)	-60 °C ... 105 °C (max. short-term operating temperature RTI Elec.)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (storage/transport)	30 % ... 70 %

## Standards and regulations

Connection in acc. with standard	IEC 60947-7-1
----------------------------------	---------------

## Mounting

Mounting type	NS 35/7,5
	NS 35/15
	NS 32

# UK 5-HESI-T OG - Test disconnect terminal block

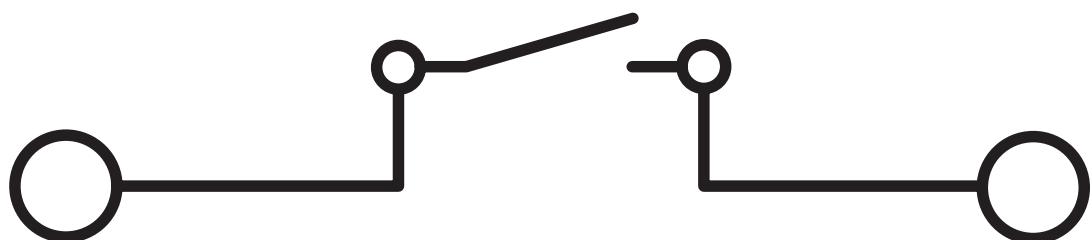
3004168

<https://www.phoenixcontact.com/us/products/3004168>



## Drawings

Circuit diagram



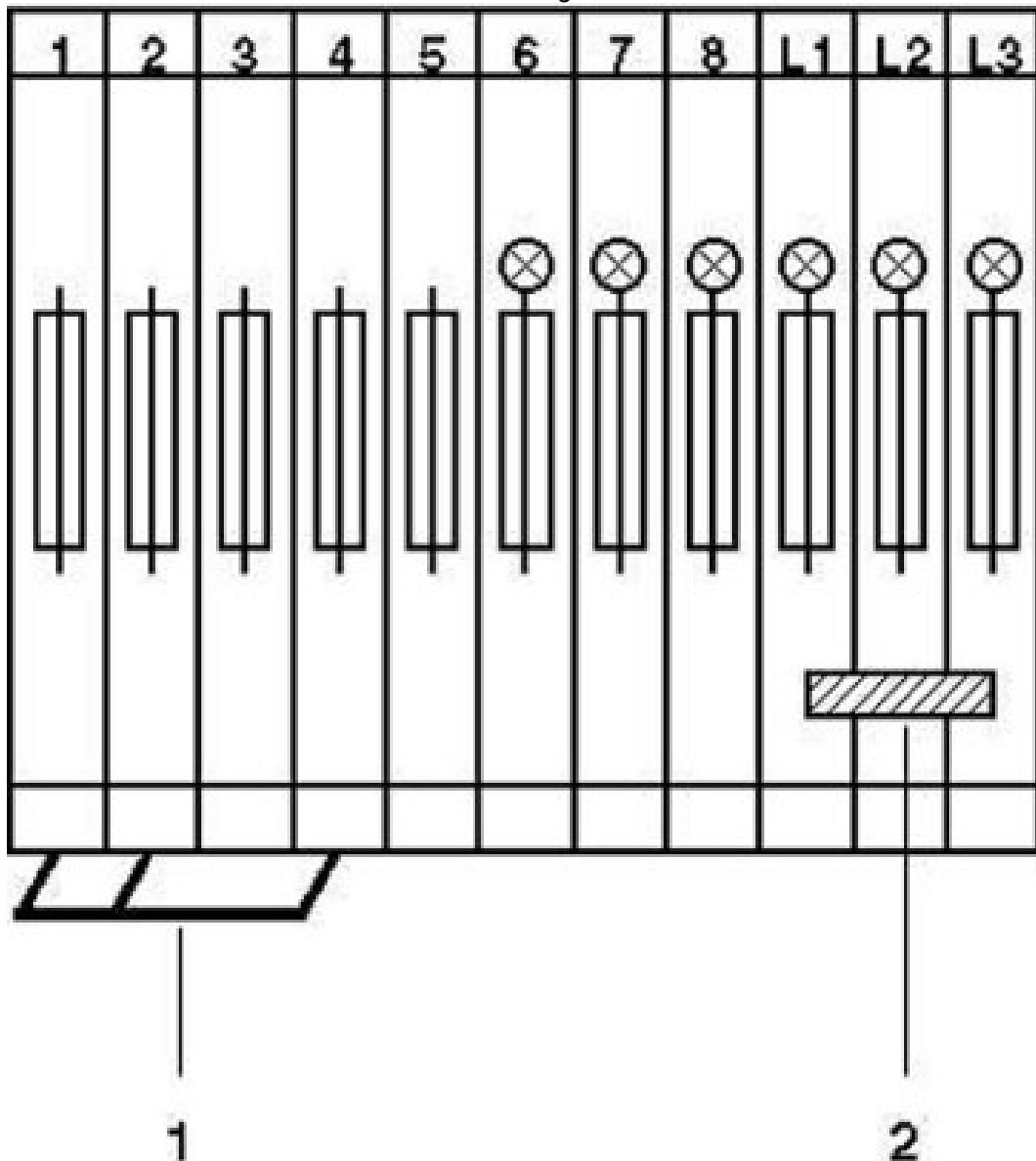
# UK 5-HESI-T OG - Test disconnect terminal block



3004168

<https://www.phoenixcontact.com/us/products/3004168>

Circuit diagram



1 = insertion bridge

2 = fixed bridge

# UK 5-HESI-T OG - Test disconnect terminal block

3004168

<https://www.phoenixcontact.com/us/products/3004168>



## Classifications

### ETIM

ETIM 8.0

EC000902

### UNSPSC

UNSPSC 21.0

39121400

# UK 5-HESI-T OG - Test disconnect terminal block

3004168

<https://www.phoenixcontact.com/us/products/3004168>



## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
-------------------------------------	----------------------------

Phoenix Contact 2025 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)