UK 4 BU - Feed-through terminal block

3003091

https://www.phoenixcontact.com/us/products/3003091

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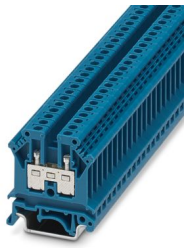


Feed-through terminal block, nom. voltage: 800 V, nominal current: 32 A, number of connections: 2, connection method: Screw connection, cross section: 0.2 mm^2 - 4 mm^2, mounting type: NS 35/7,5, NS 35/15, NS 32, color: blue

Commercial data

Item number	3003091
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE12
Product key	BE1211
GTIN	4017918090470
Weight per piece (including packing)	10.35 g
Weight per piece (excluding packing)	9.812 g
Customs tariff number	85369010
Country of origin	DE

Technical data

Product properties

Product type	Feed-through terminal block
Number of connections	2
Number of rows	1
Potentials	1

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	0 W

Connection data

Number of connections per level	2

Level 1 above 1 below 1

Screw thread	M3
Tightening torque	0.6 ... 0.8 Nm
Stripping length	8 mm
Connection in acc. with standard	IEC / EN
Conductor cross section rigid	0.2 mm² ... 4 mm²
Cross section AWG	24 ... 12 (converted acc. to IEC)
Conductor cross section flexible	0.2 mm² ... 4 mm²
Conductor cross section, flexible [AWG]	24 ... 12 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm² ... 4 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.25 mm² ... 2.5 mm²
2 conductors with same cross section, solid	0.2 mm² ... 1.5 mm²
2 conductors with same cross section, flexible	0.2 mm² ... 1.5 mm²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.25 mm² ... 1.5 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm² ... 1.5 mm²
Nominal current	32 A
Nominal voltage	800 V
Connection in acc. with standard	UL
Cross section AWG	28 ... 12 (converted acc. to IEC)
Nominal current	20 A
Nominal voltage	600 V
Connection in acc. with standard	CSA
Cross section AWG	28 ... 12 (converted acc. to IEC)
Nominal current	25 A

Nominal voltage	600 V

Dimensions

Width	6.2 mm
End cover width	1.8 mm
Height	42.5 mm
Depth on NS 32	52 mm
Depth on NS 35/7,5	47 mm
Depth on NS 35/15	54.5 mm

Material specifications

Color	blue
Flammability rating according to UL 94	V2
Insulating material group	I
Insulating material	PA

Mechanical properties

Mechanical data

Open side panel	Yes

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-60 °C ... 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see RTI Elec.)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, no longer than 24 h, -60°C to +70°C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (operation)	20 % ... 90 %
Permissible humidity (storage/transport)	30 % ... 70 %

Standards and regulations

Connection in acc. with standard	IEC / EN
	UL
	CSA

Mounting

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

Drawings

Circuit diagram

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/3003091

DNV
Approval ID: TAE00001CT

CSA
Approval ID: 13631

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	600 V	25 A	28 - 12	-

EAC
Approval ID: RU C-DE.BL08.B.00534

cULus Recognized
Approval ID: E60425

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B				
	600 V	20 A	28 - 12	-
Multi-conductor connection	600 V	20 A	- 14	-
Use group C				
	600 V	20 A	28 - 12	-
Multi-conductor connection	600 V	20 A	- 14	-

Classifications

ECLASS

ECLASS-11.0	27141120
ECLASS-13.0	27250101

ETIM

ETIM 8.0	EC000897

UNSPSC

UNSPSC 21.0	39121400

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%

Accessories

IS-K 4 - Bridge bar isolator

1302338

https://www.phoenixcontact.com/us/products/1302338

Bridge bar isolator, color: gray

ISSBI 10- 6 - Bridge

0301505

https://www.phoenixcontact.com/us/products/0301505

Bridge, pitch: 6 mm, number of positions: 10, color: silver

LB 10-6 GY - Bridge

0202358

https://www.phoenixcontact.com/us/products/0202358

Bridge, pitch: 6 mm, number of positions: 10, color: gray

LB 100-6 GY - Bridge

0202345

https://www.phoenixcontact.com/us/products/0202345

Bridge, pitch: 6 mm, number of positions: 100, color: gray

KB- 6 - Chain bridge

0201472

https://www.phoenixcontact.com/us/products/0201472

Chain bridge, pitch: 6 mm, number of positions: 1, color: silver

FBI 10- 6 - Fixed bridge

0203250

https://www.phoenixcontact.com/us/products/0203250

Fixed bridge, pitch: 6.2 mm, number of positions: 10, color: silver

FBI 100- 6 - Fixed bridge

0201650

https://www.phoenixcontact.com/us/products/0201650

Fixed bridge, pitch: 6.2 mm, number of positions: 100, color: silver

FBI 20- 6 - Fixed bridge

0201867

https://www.phoenixcontact.com/us/products/0201867

Fixed bridge, pitch: 6.2 mm, number of positions: 20, color: silver

EB 3- 6/ST - Insertion bridge

5020807

https://www.phoenixcontact.com/us/products/5020807

Insertion bridge, pitch: 6 mm, number of positions: 3, color: gray

EB 6- 6/DR - Insertion bridge

5020755

https://www.phoenixcontact.com/us/products/5020755

Insertion bridge, pitch: 6.2 mm, number of positions: 6, color: gray

EB 2- 6 - Insertion bridge

0201155

https://www.phoenixcontact.com/us/products/0201155

Insertion bridge, pitch: 6.2 mm, number of positions: 2, color: gray

EB 3- 6 - Insertion bridge

0201142

https://www.phoenixcontact.com/us/products/0201142

Insertion bridge, pitch: 6.2 mm, number of positions: 3, color: gray

EB 10- 6 - Insertion bridge

0201139

https://www.phoenixcontact.com/us/products/0201139

Insertion bridge, pitch: 6.2 mm, number of positions: 10, color: gray

USBR 2-7 - Switching jumper

2303239

https://www.phoenixcontact.com/us/products/2303239

Switching jumper, pitch: 7 mm, number of positions: 2, color: silver

USBRJ 2-7 - Switching jumper

2305538

https://www.phoenixcontact.com/us/products/2305538

Switching jumper, number of positions: 2, color: silver

WS 5- 6 - Warning label

1004403

https://www.phoenixcontact.com/us/products/1004403

Warning plate, with 2 plastic screws, across 5 terminal blocks, pitch 6 mm

WS 4- 6 - Warning label

1004209

https://www.phoenixcontact.com/us/products/1004209

Warning plate, with 2 plastic screws, across 4 terminal blocks, pitch 6 mm

WS 3- 6 - Warning label

1004115

https://www.phoenixcontact.com/us/products/1004115

Warning plate, with 2 plastic screws, across 3 terminal blocks, pitch 6 mm

FB-150 METER - Fixed bridge

0201595

https://www.phoenixcontact.com/us/products/0201595

Cross connection rail, for fixed bridging of identical inputs and outputs, made of Cu, nickel-plated, 1 m long

KSS 3- 6 - Short-circuit connector

0309523

https://www.phoenixcontact.com/us/products/0309523

Short-circuit connector, pitch: 6 mm, number of positions: 3, color: black

KSS 6 - Short-circuit connector

0301547

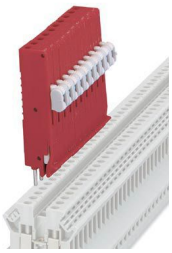
https://www.phoenixcontact.com/us/products/0301547

Short-circuit connector, pitch: 6 mm, number of positions: 2, color: black

PS-UK 2,5 B/Z-6 - Test plug

3001239

https://www.phoenixcontact.com/us/products/3001239



Test plug, number of positions: 1, color: red

RPS - Reducing plug

0201647

https://www.phoenixcontact.com/us/products/0201647

Reducing plug, number of positions: 1, color: gray

TS-K - Separating plate

1302215

https://www.phoenixcontact.com/us/products/1302215

Separating plate, depth: 22 mm, width: 0.5 mm, height: 22 mm, color: gray

ATP-UK - Partition plate

3003224

https://www.phoenixcontact.com/us/products/3003224

Partition plate, depth: 45.7 mm, width: 1.5 mm, height: 56 mm, color: gray

SBS 6:UNBEDRUCKT - Marker card

1007222

https://www.phoenixcontact.com/us/products/1007222

Marker card, Card, white, unlabeled, can be labeled with: Marker pen, mounting type: snapped, snap into flat marker groove, for terminal block width: 6 mm, lettering field size: 6 x 6.1 mm, Number of individual labels: 250

PS-UK 2,5 B/E - Test plug

3001132

https://www.phoenixcontact.com/us/products/3001132

Test plug, number of positions: 1, color: red

NS 32 PERF 2000MM-VPE 10 - DIN rail perforated

1201002

https://www.phoenixcontact.com/us/products/1201002

DIN rail perforated, Pack of 10 (20 m), acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, G profile, color: silver

NS 32 UNPERF 2000MM-VPE 10 - DIN rail, unperforated

1201015

https://www.phoenixcontact.com/us/products/1201015

DIN rail, unperforated, Pack of 10 (20 m), acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, G profile, color: silver

NS 35/ 7,5 PERF 2000MM - DIN rail perforated

0801733

https://www.phoenixcontact.com/us/products/0801733

DIN rail perforated, Pack of 25 (50 m), acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver

NS 35/ 7,5 UNPERF 2000MM - DIN rail, unperforated

0801681

https://www.phoenixcontact.com/us/products/0801681

DIN rail, unperforated, Pack of 25 (50 m), acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver

NS 35/ 7,5 WH PERF 2000MM - DIN rail perforated

1204119

https://www.phoenixcontact.com/us/products/1204119

DIN rail perforated, Pack of 25 (50 m), acc. to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: silver

NS 35/ 7,5 WH UNPERF 2000MM-VPE 10 - DIN rail, unperforated

1204122

https://www.phoenixcontact.com/us/products/1204122

DIN rail, unperforated, Pack of 10 (20 m), acc. to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: silver

NS 35/ 7,5 AL UNPERF 2000MM - DIN rail, unperforated

0801704

https://www.phoenixcontact.com/us/products/0801704

DIN rail, unperforated, Pack of 25 (50 m), acc. to EN 60715, material: Aluminum, uncoated, Standard profile, color: silver

NS 35/ 7,5 ZN PERF 2000MM - DIN rail perforated

1206421

https://www.phoenixcontact.com/us/products/1206421

DIN rail perforated, Pack of 25 (50 m), acc. to EN 60715, material: Steel, galvanized, Standard profile, color: silver

NS 35/ 7,5 ZN UNPERF 2000MM - DIN rail, unperforated

1206434

https://www.phoenixcontact.com/us/products/1206434

DIN rail, unperforated, Pack of 25 (50 m), acc. to EN 60715, material: Steel, galvanized, Standard profile, color: silver

NS 35/ 7,5 CU UNPERF 2000MM-VPE 10 - DIN rail, unperforated

0801762

https://www.phoenixcontact.com/us/products/0801762

DIN rail, unperforated, Pack of 10 (20 m), acc. to EN 60715, material: Copper, uncoated, Standard profile, color: copper-colored

NS 35/ 7,5 CAP - End cap

1206560

https://www.phoenixcontact.com/us/products/1206560

DIN rail end piece, for DIN rail NS 35/7.5

NS 35/15 PERF 2000MM - DIN rail perforated

1201730

https://www.phoenixcontact.com/us/products/1201730

DIN rail perforated, Pack of 25 (50 m), similar to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver

NS 35/15 UNPERF 2000MM - DIN rail, unperforated

1201714

https://www.phoenixcontact.com/us/products/1201714

DIN rail, unperforated, Pack of 25 (50 m), similar to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver

NS 35/15 WH PERF 2000MM - DIN rail perforated

0806602

https://www.phoenixcontact.com/us/products/0806602

DIN rail perforated, Pack of 25 (50 m), similar to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: white

NS 35/15 WH UNPERF 2000MM-VPE 10 - DIN rail, unperforated

1204135

https://www.phoenixcontact.com/us/products/1204135

DIN rail, unperforated, Pack of 10 (20 m), similar to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: silver

NS 35/15 AL UNPERF 2000MM - DIN rail, unperforated

1201756

https://www.phoenixcontact.com/us/products/1201756

DIN rail, unperforated, similar to EN 60715, material: Aluminum, uncoated, Standard profile, color: silver

NS 35/15 ZN PERF 2000MM - DIN rail perforated

1206599

https://www.phoenixcontact.com/us/products/1206599

DIN rail perforated, Pack of 25 (50 m), similar to EN 60715, material: Steel, galvanized, Standard profile, color: silver

NS 35/15 ZN UNPERF 2000MM - DIN rail, unperforated

1206586

https://www.phoenixcontact.com/us/products/1206586

DIN rail, unperforated, Pack of 25 (50 m), similar to EN 60715, material: Steel, galvanized, Standard profile, color: silver

NS 35/15 CU UNPERF 2000MM-VPE 10 - DIN rail, unperforated

1201895

https://www.phoenixcontact.com/us/products/1201895

DIN rail, unperforated, Pack of 10 (20 m), similar to EN 60715, material: Copper, uncoated, Standard profile, color: copper-colored

NS 35/15 CAP - End cap

1206573

https://www.phoenixcontact.com/us/products/1206573

DIN rail end piece, for DIN rail NS 35/15

NS 35/15-2,3 UNPERF 2000MM-VPE 10 - DIN rail, unperforated

1201798

https://www.phoenixcontact.com/us/products/1201798

DIN rail, unperforated, Pack of 10 (20 m), acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile 2.3 mm, color: silver

ZB 6:UNBEDRUCKT - Zack marker strip

1051003

https://www.phoenixcontact.com/us/products/1051003

Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 6.15 x 10.5 mm, Number of individual labels: 10

ZB 6 CUS - Zack marker strip

0824992

https://www.phoenixcontact.com/us/products/0824992

Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 6.15 x 10.5 mm, Number of individual labels: 10

ZB 6,LGS:FORTL.ZAHLEN - Zack marker strip

1051016

https://www.phoenixcontact.com/us/products/1051016

Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 491 ... 500, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 6. 15 x 10.5 mm, Number of individual labels: 10

ZB 6,QR:FORTL.ZAHLEN - Zack marker strip

1051029

https://www.phoenixcontact.com/us/products/1051029

Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, Printed vertically: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 491 ... 500, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 6. 15 x 10.5 mm, Number of individual labels: 10

ZB 6,LGS:GLEICHE ZAHLEN - Zack marker strip

1051032

https://www.phoenixcontact.com/us/products/1051032

Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, printed horizontally: Identical numbers 1 or 2, etc. up to 100, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 6.15 x 10.5 mm, Number of individual labels: 10

ZB 6,LGS:L1-N,PE - Marker for terminal blocks

1051414

https://www.phoenixcontact.com/us/products/1051414

Marker for terminal blocks, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, horizontal: L1, L2, L3, N, PE, L1, L2, L3, N, PE, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 6.15 x 10.5 mm, Number of individual labels: 10

ZB 6,LGS:U-N - Marker for terminal blocks

1051430

https://www.phoenixcontact.com/us/products/1051430

Marker for terminal blocks, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, printed horizontally: U, V, W, N, GND, U, V, W, N, GND, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 6.15 x 10.5 mm, Number of individual labels: 10

UC-TM 6 - Marker for terminal blocks

0818085

https://www.phoenixcontact.com/us/products/0818085

Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 5.6 x 10.5 mm, Number of individual labels: 80

UC-TM 6 CUS - Marker for terminal blocks

0824589

https://www.phoenixcontact.com/us/products/0824589

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: 6.2 mm, lettering field size: 5.6 x 10.5 mm, Number of individual labels: 80

UCT-TM 6 - Marker for terminal blocks

0828736

https://www.phoenixcontact.com/us/products/0828736

Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 5.6 x 10.5 mm, Number of individual labels: 60

UCT-TM 6 CUS - Marker for terminal blocks

0829602

https://www.phoenixcontact.com/us/products/0829602

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: 6.2 mm, lettering field size: 5.6 x 10.5 mm, Number of individual labels: 60

MPS-MT - Test plug

0201744

https://www.phoenixcontact.com/us/products/0201744

Test plug, with solder connection up to 1 mm^2 conductor cross section, number of positions: 1, color: gray

MPS-IH WH - Insulating sleeve

0201663

https://www.phoenixcontact.com/us/products/0201663

Insulating sleeve, color: white

MPS-IH RD - Insulating sleeve

0201676

https://www.phoenixcontact.com/us/products/0201676

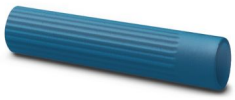
Insulating sleeve, color: red

MPS-IH BU - Insulating sleeve

0201689

https://www.phoenixcontact.com/us/products/0201689

Insulating sleeve, color: blue



MPS-IH YE - Insulating sleeve

0201692

https://www.phoenixcontact.com/us/products/0201692

Insulating sleeve, color: yellow

MPS-IH GN - Insulating sleeve

0201702

https://www.phoenixcontact.com/us/products/0201702

Insulating sleeve, color: green

MPS-IH GY - Insulating sleeve

0201728

https://www.phoenixcontact.com/us/products/0201728

Insulating sleeve, color: gray

MPS-IH BK - Insulating sleeve

0201731

https://www.phoenixcontact.com/us/products/0201731

Insulating sleeve, color: black

CLIPFIX 35 - End bracket

3022218

https://www.phoenixcontact.com/us/products/3022218

Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, width: 9.5 mm, color: gray

CLIPFIX 35-5 - End bracket

3022276

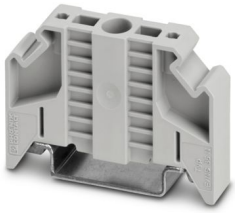
https://www.phoenixcontact.com/us/products/3022276

Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, with parking option for FBS...5, FBS...6, KSS 5, KSS 6, width: 5. 15 mm, color: gray

E/NS 35 N - End bracket

0800886

https://www.phoenixcontact.com/us/products/0800886



End clamp, width: 9.5 mm, color: gray

E/UK - End bracket

1201442

https://www.phoenixcontact.com/us/products/1201442

End bracket, Mounting on a DIN rail NS 32 or NS 35, material: PA, color: gray

E/UK 1 - End bracket

1201413

https://www.phoenixcontact.com/us/products/1201413

End clamps, for supporting the ends of double-level and three-level terminal blocks, width: 10 mm, color: gray

PSBJ 3/13/4 - Test plug strip

0201304

https://www.phoenixcontact.com/us/products/0201304

Test plug strip, number of positions: 1, color: silver

PSB 3/10/4 - Test plug strip

0601292

https://www.phoenixcontact.com/us/products/0601292

Test plug strip, number of positions: 1, color: silver

D-UK 4/10 - End cover

3003020

https://www.phoenixcontact.com/us/products/3003020

End cover, depth: 35.9 mm, width: 1.8 mm, height: 42.5 mm, color: gray

EA 5 - Cover

1024014

https://www.phoenixcontact.com/us/products/1024014

Cover, material: ABS, color: transparent

EA 5-WS - Cover

1024085

https://www.phoenixcontact.com/us/products/1024085

Single covers, for covering one terminal block, with black symbol (lightning flash) snap fit, color: transparent/yellow

SF-SL 0,6X3,5-100 S-VDE - Screwdriver

1212587

https://www.phoenixcontact.com/us/products/1212587

Actuation tool, for ST terminal blocks, VDE insulated, with slimmer insulation integrated in the blade, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

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