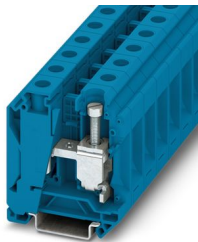


UK 35 N BU - Feed-through terminal block



3058350
<https://www.phoenixcontact.com/pc/products/3058350>

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Feed-through terminal block, nom. voltage: 1000 V, nominal current: 125 A, number of connections: 2, connection method: Screw connection, Rated cross section: 35 mm², cross section: 10 mm² - 35 mm², mounting type: NS 35/7,5, NS 35/15, color: blue

Your advantages

- The large wiring space enables the connection of solid and stranded conductors without ferrules, even above the nominal cross section
- As well as saving space, the compact design enables user-friendly wiring in a small amount of space
- Optimum screwdriver guidance through closed screw shafts

Commercial data

Item number	3058350
Packing unit	50 pc
Minimum order quantity	1 pc
Product key	BE1211
Catalog page	Page 461 (C-1-2019)
GTIN	4046356477284
Weight per piece (including packing)	54.25 g
Weight per piece (excluding packing)	54.25 g
Customs tariff number	85369010
Country of origin	CN

UK 35 N BU - Feed-through terminal block



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<https://www.phoenixcontact.com/pc/products/3058350>

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	4.06 W

Connection data

Number of connections per level	2
Nominal cross section	35 mm ²

Level 1 above 1 below 1

Screw thread	M6
Tightening torque	3.2 ... 3.7 Nm
Stripping length	16 mm
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	10 mm ² ... 35 mm ²
Cross section AWG	6 ... 2 (converted acc. to IEC)
Conductor cross section flexible	10 mm ² ... 35 mm ²
Conductor cross section, flexible [AWG]	6 ... 2 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	10 mm ² ... 35 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	10 mm ² ... 35 mm ²
2 conductors with same cross section, solid	6 mm ² ... 16 mm ²
2 conductors with same cross section, flexible	6 mm ² ... 10 mm ²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	6 mm ² ... 10 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	6 mm ² ... 10 mm ²
Nominal current	125 A
Maximum load current	125 A
Nominal voltage	1000 V
Nominal cross section	35 mm ²

Dimensions

Width	16 mm
Height	54.5 mm

UK 35 N BU - Feed-through terminal block



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Depth on NS 35/7,5	62 mm
Depth on NS 35/15	69.5 mm

Material specifications

Color	blue
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

Test voltage setpoint	9.8 kV
Result	Test passed

Temperature-rise test

Requirement temperature-rise test	Increase in temperature $\leq$ 45 K
Result	Test passed
Short-time withstand current 35 mm ²	4.2 kA
Result	Test passed

Power-frequency withstand voltage

Test voltage setpoint	2.2 kV
Result	Test passed

Mechanical properties

Mechanical data

Open side panel	No
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Mechanical tests

Mechanical strength

Result	Test passed
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Attachment on the carrier

UK 35 N BU - Feed-through terminal block



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DIN rail/fixing support	NS 35
Test force setpoint	10 N
Result	Test passed

Test for conductor damage and slackening

Rotation speed	10 rpm
Revolutions	135
Conductor cross section/weight	10 mm ² / 2 kg 35 mm ² / 6.8 kg
Result	Test passed

Environmental and real-life conditions

Needle-flame test

Time of exposure	30 s
Result	Test passed

Oscillation/broadband noise

Specification	DIN EN 50155 (VDE 0115-200):2008-03
Spectrum	Service life test category 1, class B, body mounted
Frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$
ASD level	1.857 (m/s ²)/Hz
Acceleration	0.8g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Result	Test passed

Shocks

Specification	DIN EN 50155 (VDE 0115-200):2008-03
Pulse shape	Half-sine
Acceleration	5g
Shock duration	30 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Result	Test passed

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 ()
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 60947-7-1
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UK 35 N BU - Feed-through terminal block



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Mounting

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

UK 35 N BU - Feed-through terminal block

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Drawings

Circuit diagram



UK 35 N BU - Feed-through terminal block

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<https://www.phoenixcontact.com/pc/products/3058350>



Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pc/products/3058350>

**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	115 A	8 - 2	-
Use group C				
	600 V	115 A	8 - 2	-
Use group F				
	1000 V	115 A	8 - 2	-

UK 35 N BU - Feed-through terminal block



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<https://www.phoenixcontact.com/pc/products/3058350>

Classifications

ECLASS

ECLASS-11.0	27141120
ECLASS-13.0	27250101

ETIM

ETIM 8.0	EC000897
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UNSPSC

UNSPSC 21.0	39121400
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UK 35 N BU - Feed-through terminal block



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<https://www.phoenixcontact.com/pc/products/3058350>

Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

UK 35 N BU - Feed-through terminal block

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Accessories

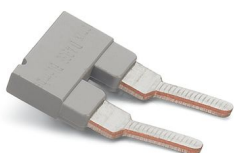
i Note: Applying some accessories below might limit this product.

EB 2-15 - Insertion bridge

0203166

<https://www.phoenixcontact.com/pc/products/0203166>

Insertion bridge, pitch: 15.25 mm, number of positions: 2, color: gray



i Max. current carrying capacity: 76 A

SBH 2-15 - Switching jumper

0205232

<https://www.phoenixcontact.com/pc/products/0205232>

Switching jumper, pitch: 15 mm, number of positions: 2, color: silver



i Max. current carrying capacity: 120 A

UK 35 N BU - Feed-through terminal block

3058350

<https://www.phoenixcontact.com/pc/products/3058350>



FBI 2-15 - Fixed bridge

0201333

<https://www.phoenixcontact.com/pc/products/0201333>

Fixed bridge, pitch: 15 mm, number of positions: 2, color: silver



AP 3-TNS 35 - Cover

5022672

<https://www.phoenixcontact.com/pc/products/5022672>

Sealable cover profile, for mounting on NS 35/7.5 DIN rail and for fixing the cover profile AP 3, with plastic knurled nut M5, space requirement: 13 mm



UK 35 N BU - Feed-through terminal block

3058350

<https://www.phoenixcontact.com/pc/products/3058350>



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

0801733

<https://www.phoenixcontact.com/pc/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/pc/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

UK 35 N BU - Feed-through terminal block

3058350

<https://www.phoenixcontact.com/pc/products/3058350>



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

1204119

<https://www.phoenixcontact.com/pc/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/pc/products/1204122>



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

UK 35 N BU - Feed-through terminal block

3058350

<https://www.phoenixcontact.com/pc/products/3058350>



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

0801704

<https://www.phoenixcontact.com/pc/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/pc/products/1206421>



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

UK 35 N BU - Feed-through terminal block

3058350

<https://www.phoenixcontact.com/pc/products/3058350>



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

1206434

<https://www.phoenixcontact.com/pc/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/pc/products/0801762>



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

UK 35 N BU - Feed-through terminal block

3058350

<https://www.phoenixcontact.com/pc/products/3058350>



NS 35/ 7,5 CAP - End cap

1206560

<https://www.phoenixcontact.com/pc/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/pc/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

UK 35 N BU - Feed-through terminal block

3058350

<https://www.phoenixcontact.com/pc/products/3058350>



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

1201714

<https://www.phoenixcontact.com/pc/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/pc/products/0806602>



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

UK 35 N BU - Feed-through terminal block

3058350

<https://www.phoenixcontact.com/pc/products/3058350>



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

1204135

<https://www.phoenixcontact.com/pc/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/pc/products/1201756>



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

UK 35 N BU - Feed-through terminal block

3058350

<https://www.phoenixcontact.com/pc/products/3058350>



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

1206599

<https://www.phoenixcontact.com/pc/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/pc/products/1206586>



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

UK 35 N BU - Feed-through terminal block

3058350

<https://www.phoenixcontact.com/pc/products/3058350>



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

1201895

<https://www.phoenixcontact.com/pc/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/pc/products/1206573>

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



UK 35 N BU - Feed-through terminal block

3058350

<https://www.phoenixcontact.com/pc/products/3058350>



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

1201798

<https://www.phoenixcontact.com/pc/products/1201798>

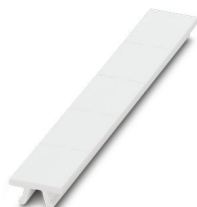


DIN rail, unperforated, Pack of 10 (20 m), acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile 2.3 mm, color: silver

ZB 16:UNPRINTED - Zack marker strip

0827461

<https://www.phoenixcontact.com/pc/products/0827461>



Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 16 mm, lettering field size: 16 x 10.5 mm, Number of individual labels: 50

UK 35 N BU - Feed-through terminal block

3058350

<https://www.phoenixcontact.com/pc/products/3058350>



ZB 16 CUS - Zack marker strip

0827463

<https://www.phoenixcontact.com/pc/products/0827463>

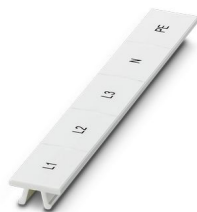


Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 16 mm, lettering field size: 10.5 x 16 mm, Number of individual labels: 5

ZB 16,LGS:L1-N,PE - Zack marker strip

0827462

<https://www.phoenixcontact.com/pc/products/0827462>



Zack marker strip, Strip, white, labeled, printed horizontally: L1, L2, L3, N, PE, mounting type: snapped, for terminal block width: 16.3 mm, lettering field size: 10.5 x 16.25 mm, Number of individual labels: 5

UK 35 N BU - Feed-through terminal block

3058350

<https://www.phoenixcontact.com/pc/products/3058350>



UC-TM 16 - Marker for terminal blocks

0819217

<https://www.phoenixcontact.com/pc/products/0819217>



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: 16 mm, lettering field size: 15.45 x 10.5 mm, Number of individual labels: 32

UC-TM 16 CUS - Marker for terminal blocks

0824621

<https://www.phoenixcontact.com/pc/products/0824621>



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: 16 mm, lettering field size: 15.45 x 10.5 mm, Number of individual labels: 32

UK 35 N BU - Feed-through terminal block

3058350

<https://www.phoenixcontact.com/pc/products/3058350>



UCT-TM 16 - Marker for terminal blocks

0829146

<https://www.phoenixcontact.com/pc/products/0829146>



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: 16 mm, lettering field size: 14.8 x 9.6 mm, Number of individual labels: 18

UCT-TM 16 CUS - Marker for terminal blocks

0829637

<https://www.phoenixcontact.com/pc/products/0829637>



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: 16 mm, lettering field size: 14.8 x 9.6 mm, Number of individual labels: 18

UK 35 N BU - Feed-through terminal block

3058350

<https://www.phoenixcontact.com/pc/products/3058350>



PS-MT - Test plug

0311647

<https://www.phoenixcontact.com/pc/products/0311647>

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



PS-IH WH - Insulating sleeve

0311566

<https://www.phoenixcontact.com/pc/products/0311566>

Insulating sleeve, number of positions: 1, color: white



UK 35 N BU - Feed-through terminal block

3058350

<https://www.phoenixcontact.com/pc/products/3058350>



PS-IH RD - Insulating sleeve

0311579

<https://www.phoenixcontact.com/pc/products/0311579>

Insulating sleeve, number of positions: 1, color: red



PS-IH BU - Insulating sleeve

0311582

<https://www.phoenixcontact.com/pc/products/0311582>

Insulating sleeve, number of positions: 1, color: blue



UK 35 N BU - Feed-through terminal block

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PS-IH YE - Insulating sleeve

0311595

<https://www.phoenixcontact.com/pc/products/0311595>



Insulating sleeve, number of positions: 1, color: yellow

PS-IH GN - Insulating sleeve

0311605

<https://www.phoenixcontact.com/pc/products/0311605>



Insulating sleeve, number of positions: 1, color: green

UK 35 N BU - Feed-through terminal block

3058350

<https://www.phoenixcontact.com/pc/products/3058350>



PS-IH GY - Insulating sleeve

0311621

<https://www.phoenixcontact.com/pc/products/0311621>



Insulating sleeve, number of positions: 1, color: gray

PS-IH BK - Insulating sleeve

0311634

<https://www.phoenixcontact.com/pc/products/0311634>



Insulating sleeve, number of positions: 1, color: black

UK 35 N BU - Feed-through terminal block

3058350

<https://www.phoenixcontact.com/pc/products/3058350>



PS-IH VT - Insulating sleeve

0311618

<https://www.phoenixcontact.com/pc/products/0311618>

Insulating sleeve, number of positions: 1, color: violet



E/UK - End bracket

1201442

<https://www.phoenixcontact.com/pc/products/1201442>

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



UK 35 N BU - Feed-through terminal block

3058350

<https://www.phoenixcontact.com/pc/products/3058350>



E/UK 1 - End bracket

1201413

<https://www.phoenixcontact.com/pc/products/1201413>



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

PSB 6/5/6 - Test plug strip

0205290

<https://www.phoenixcontact.com/pc/products/0205290>



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

UK 35 N BU - Feed-through terminal block

3058350

<https://www.phoenixcontact.com/pc/products/3058350>



CLIPFIX 35 - End bracket

3022218

<https://www.phoenixcontact.com/pc/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/pc/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



UK 35 N BU - Feed-through terminal block

3058350

<https://www.phoenixcontact.com/pc/products/3058350>

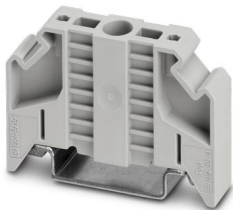


E/NS 35 N - End bracket

0800886

<https://www.phoenixcontact.com/pc/products/0800886>

End clamp, width: 9.5 mm, color: gray



SZS 1,0X6,5 VDE - Screwdriver

1205079

<https://www.phoenixcontact.com/pc/products/1205079>

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



UK 35 N BU - Feed-through terminal block

3058350

<https://www.phoenixcontact.com/pc/products/3058350>



AP 3 CM - Cover profile

5022876

<https://www.phoenixcontact.com/pc/products/5022876>



Cover profile for covering terminal strips, snaps onto AP 3-TU, AP 3-TNS 35 cover profile carriers, can be labeled with AP-ES insert strip. A cover profile carrier is to be positioned at the ends and at intervals of around approx. 40 cm. Supply length: As per customer order

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