Feed-through terminal block - UK 16 N - 3006043

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)

Feed-through terminal block, Connection method: Screw connection, Cross section: 2.5 mm² - 25 mm², AWG: 14 - 4, Width: 12.2 mm, Color: gray, Mounting type: NS 35/7,5, NS 35/15, NS 32

Why buy this product

- All universal terminal blocks in the UK... series can also be used in the Ex e area according to IEC/EN 60079 as standard
- The corresponding EC-type examination numbers for Ex approval can be found in the technical connection data

Key Commercial Data

Packing unit	50 STK
GTIN	4 017918 091309
GTIN	4017918091309
Weight per Piece (excluding packing)	23.400 g
Custom tariff number	85369010
Country of origin	India

Technical data

General

Number of levels	1
Number of connections	2
Potentials	1
Nominal cross section	16 mm²
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V0
Rated surge voltage	8 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I

Feed-through terminal block - UK 16 N - 3006043

Technical data

General

Maximum load current	101 A (with 25 mm² conductor cross section)
Nominal current I_N	76 A
Nominal voltage U_N	800 V
Open side panel	Yes
Shock protection test specification	IEC 60529:2001-02
Back of the hand protection	guaranteed
Result of surge voltage test	Test passed
Surge voltage test setpoint	9.8 kV
Result of power-frequency withstand voltage test	Test passed
Power frequency withstand voltage setpoint	2 kV
Result of the test for mechanical stability of terminal points (5 x conductor connection)	Test passed
Result of bending test	Test passed
Bending test rotation speed	10 rpm
Bending test turns	135
Bending test conductor cross section/weight	2.5 mm² / 0.7 kg
	16 mm² / 2.9 kg
	25 mm² / 4.5 kg
Tensile test result	Test passed
Conductor cross section tensile test	2.5 mm²
Tractive force setpoint	50 N
Conductor cross section tensile test	16 mm²
Tractive force setpoint	100 N
Conductor cross section tensile test	25 mm²
Tractive force setpoint	135 N
Result of tight fit on support	Test passed
Tight fit on carrier	NS 32/NS 35
Setpoint	10 N
Result of voltage-drop test	Test passed
Requirements, voltage drop	≤ 3.2 mV
Result of temperature-rise test	Test passed
Short circuit stability result	Test passed
Conductor cross section short circuit testing	16 mm²
Short-time current	1.92 kA
Result of thermal test	Test passed
Proof of thermal characteristics (needle flame) effective duration	30 s
Oscillation, broadband noise test result	Test passed
Test specification, oscillation, broadband noise	DIN EN 50155 (VDE 0115-200):2008-03
Test spectrum	Service life test category 1, class B, body mounted
Test frequency	f_1 = 5 Hz to f_2 = 150 Hz
ASD level	0.02 g²/Hz

Feed-through terminal block - UK 16 N - 3006043

Technical data

General

Acceleration	0,8 g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Shock test result	Test passed
Test specification, shock test	DIN EN 50155 (VDE 0115-200):2008-03
Shock form	Half-sine
Acceleration	5 g
Shock duration	30 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Static insulating material application in cold	-60 °C
Behavior in fire for rail vehicles (DIN 5510-2)	Test passed
Flame test method (DIN EN 60695-11-10)	V0
Oxygen index (DIN EN ISO 4589-2)	>32 %
NF F16-101, NF F10-102 Class I	2
NF F16-101, NF F10-102 Class F	2
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
Calorimetric heat release NFPA 130 (ASTM E 1354)	28 MJ/kg
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

Dimensions

Width	12.2 mm
End cover width	1.5 mm
Length	42.5 mm
Height NS 35/7,5	54 mm
Height NS 35/15	61.5 mm
Height NS 32	59 mm

Connection data

Note	Terminal point
Connection method	Screw connection
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid min.	2.5 mm²
Conductor cross section solid max.	25 mm²

Feed-through terminal block - UK 16 N - 3006043

Technical data

Connection data

Conductor cross section AWG min.	14
Conductor cross section AWG max.	4
Conductor cross section flexible min.	4 mm²
Conductor cross section flexible max.	16 mm²
Min. AWG conductor cross section, flexible	12
Max. AWG conductor cross section, flexible	6
Conductor cross section flexible, with ferrule without plastic sleeve min.	1.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	16 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	1.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	16 mm²
Cross section with insertion bridge, solid max.	16 mm²
Cross section with insertion bridge, stranded max.	16 mm²
2 conductors with same cross section, solid min.	1.5 mm²
2 conductors with same cross section, solid max.	6 mm²
2 conductors with same cross section, stranded min.	1.5 mm²
2 conductors with same cross section, stranded max.	4 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.75 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	10 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	1.5 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	6 mm²
Cross section with insertion bridge, solid max.	16 mm²
Cross section with insertion bridge, stranded max.	16 mm²
Connection in acc. with standard	IEC/EN 60079-7
Conductor cross section solid min.	2.5 mm²
Conductor cross section solid max.	25 mm²
Conductor cross section AWG min.	22
Conductor cross section AWG max.	4
Conductor cross section flexible min.	4 mm²
Conductor cross section flexible max.	16 mm²
Stripping length	11 mm
Internal cylindrical gage	B7
Screw thread	M4
Tightening torque, min	1.5 Nm
Tightening torque max	1.8 Nm

Standards and Regulations

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

Feed-through terminal block - UK 16 N - 3006043

Technical data

Standards and Regulations

Flammability rating according to UL 94	V0

Environmental Product Compliance

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

Drawings

Circuit diagram

Classifications

eCl@ss

eCl@ss 4.0	27141120
eCl@ss 4.1	27141120
eCl@ss 5.0	27141120
eCl@ss 5.1	27141120
eCl@ss 6.0	27141120
eCl@ss 7.0	27141120
eCl@ss 8.0	27141120
eCl@ss 9.0	27141120

ETIM

ETIM 2.0	EC000897
ETIM 3.0	EC000897
ETIM 4.0	EC000897
ETIM 5.0	EC000897
ETIM 6.0	EC000897

UNSPSC

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410

Approvals

Approvals

Feed-through terminal block - UK 16 N - 3006043

Approvals

Approvals

CSA / UL Recognized / cUL Recognized / RS / PRS / KR / NK / IECEE CB Scheme / EAC / EAC / KEMA-KEUR / DNV GL / cULus Recognized

Ex Approvals

IECEx / ATEX / UL Recognized / cUL Recognized / EAC Ex / GL / cULus Recognized

Approval details

CSA	http://www.csagroup.org/services/testing-and-certification/certified-product-listing/	13631

mm²/AWG/kcmil	22-4
Nominal current IN	85 A
Nominal voltage UN	600 V

UL Recognized	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425

mm²/AWG/kcmil	22-4
Nominal current IN	85 A
Nominal voltage UN	600 V

cUL Recognized	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425

mm²/AWG/kcmil	22-4
Nominal current IN	85 A
Nominal voltage UN	600 V

RS	http://www.rs-head.spb.ru/en/index.php	10.04059.250

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

Feed-through terminal block - UK 16 N - 3006043

Approvals

KR	http://www.krs.co.kr/eng/main/main.aspx	HMB17372-EL001

NK	http://www.classnk.or.jp/hp/en/	09 ME 141

IECEE CB Scheme	http://www.iecee.org/	NL-26110

mm²/AWG/kcmil	16
Nominal voltage UN	800 V

EAC	EAC-Zulassung

EAC	7500651.22.01.00246

KEMA-KEUR	http://www.dekra-certification.com	2183462.01

mm²/AWG/kcmil	16
Nominal voltage UN	800 V

DNV GL	https://www.dnvgl.com/	TAE00001CT

cULus Recognized	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm

Accessories

Accessories

Cover

Feed-through terminal block - UK 16 N - 3006043

Accessories

Cover - EA 7-WS - 0800747

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

Cover profile

Cover profile - EA 7 - 1024250

Single covers, color: transparent

DIN rail

DIN rail perforated - NS 32 PERF 2000MM - 1201002

G-profile DIN rail, material: Steel, perforated, height 15 mm, width 32 mm, length 2 m

DIN rail, unperforated - NS 32 UNPERF 2000MM - 1201015

G-profile DIN rail, material: Steel, unperforated, height 15 mm, width 32 mm, length 2 m

DIN rail perforated - NS 35/ 7,5 PERF 2000MM - 0801733

DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 7.5 mm, width 35 mm, length: 2000 mm

Feed-through terminal block - UK 16 N - 3006043

Accessories

DIN rail, unperforated - NS 35/ 7,5 UNPERF 2000MM - 0801681

DIN rail, material: Steel, unperforated, height 7.5 mm, width 35 mm, length: 2 m

---

DIN rail perforated - NS 35/ 7,5 WH PERF 2000MM - 1204119

DIN rail 35 mm (NS 35)

DIN rail - NS 35/ 7,5 WH UNPERF 2000MM - 1204122

DIN rail 35 mm (NS 35)

DIN rail, unperforated - NS 35/ 7,5 AL UNPERF 2000MM - 0801704

DIN rail, unperforated, Width: 35 mm, Height: 7.5 mm, Length: 2000 mm, Color: silver

---

DIN rail perforated - NS 35/ 7,5 ZN PERF 2000MM - 1206421

DIN rail, material: Galvanized, perforated, height 7.5 mm, width 35 mm, length: 2 m

---

Feed-through terminal block - UK 16 N - 3006043

Accessories

DIN rail, unperforated - NS 35/ 7,5 ZN UNPERF 2000MM - 1206434

DIN rail, material: Galvanized, unperforated, height 7.5 mm, width 35 mm, length: 2 m

DIN rail, unperforated - NS 35/ 7,5 CU UNPERF 2000MM - 0801762

DIN rail, material: Copper, unperforated, height 7.5 mm, width 35 mm, length: 2 m

End cap - NS 35/ 7,5 CAP - 1206560

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

DIN rail perforated - NS 35/15 PERF 2000MM - 1201730

DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 15 mm, width 35 mm, length: 2000 mm

DIN rail, unperforated - NS 35/15 UNPERF 2000MM - 1201714

DIN rail, material: Steel, unperforated, height 15 mm, width 35 mm, length: 2 m

Feed-through terminal block - UK 16 N - 3006043

Accessories

DIN rail perforated - NS 35/15 WH PERF 2000MM - 0806602

DIN rail 35 mm (NS 35)

DIN rail - NS 35/15 WH UNPERF 2000MM - 1204135

DIN rail 35 mm (NS 35)

DIN rail, unperforated - NS 35/15 AL UNPERF 2000MM - 1201756

DIN rail, deep drawn, high profile, unperforated, 1.5 mm thick, material: aluminum, height 15 mm, width 35 mm, length 2000 mm

---

DIN rail perforated - NS 35/15 ZN PERF 2000MM - 1206599

DIN rail, material: Galvanized, perforated, height 15 mm, width 35 mm, length: 2 m

---

DIN rail, unperforated - NS 35/15 ZN UNPERF 2000MM - 1206586

DIN rail, material: Galvanized, unperforated, height 15 mm, width 35 mm, length: 2 m

---

Feed-through terminal block - UK 16 N - 3006043

Accessories

DIN rail, unperforated - NS 35/15 CU UNPERF 2000MM - 1201895

DIN rail, material: Copper, unperforated, 1.5 mm thick, height 15 mm, width 35 mm, length: 2 m

---

End cap - NS 35/15 CAP - 1206573

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

DIN rail, unperforated - NS 35/15-2,3 UNPERF 2000MM - 1201798

DIN rail, unperforated, Width: 35 mm, Height: 15 mm, Length: 2000 mm, Color: silver

---

End block

End clamp - CLIPFIX 35 - 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

---

End clamp - CLIPFIX 35-5 - 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

---

Feed-through terminal block - UK 16 N - 3006043

Accessories

End clamp - E/NS 35 N - 0800886

End clamp, width: 9.5 mm, color: gray

End clamp - E/UK - 1201442

End clamp, Width: 9.5 mm, Height: 35.3 mm, Length: 50.5 mm, Color: gray

End clamp - E/UK 1 - 1201413

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

End cover

End cover - D-UK 16 - 3006027

End cover, Length: 42.5 mm, Width: 1.5 mm, Height: 54 mm, Color: gray

Insertion bridge

Insertion bridge - EB 10-12 - 3006137

Insertion bridge, Pitch: 12 mm, Number of positions: 10, Color: gray

Insulating sleeve

Feed-through terminal block - UK 16 N - 3006043

Accessories

Insulating sleeve - PS-IH WH - 0311566

Insulating sleeve, Color: white

Insulating sleeve - PS-IH RD - 0311579

Insulating sleeve, Color: red

Insulating sleeve - PS-IH BU - 0311582

Insulating sleeve, Color: blue

Insulating sleeve - PS-IH YE - 0311595

Insulating sleeve, Color: yellow

Insulating sleeve - PS-IH GN - 0311605

Insulating sleeve, Color: green

Feed-through terminal block - UK 16 N - 3006043

Accessories

Insulating sleeve - PS-IH GY - 0311621

Insulating sleeve, Color: gray

Insulating sleeve - PS-IH BK - 0311634

Insulating sleeve, Color: black

Insulating sleeve - PS-IH VT - 0311618

Insulating sleeve, Color: violet

Labeled terminal marker

Zack marker strip - ZB 12 CUS - 0824942

Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, Mounting type: Snap into tall marker groove, for terminal block width: 12.2 mm, Lettering field: 10.5 x 12.15 mm

Marker for terminal blocks - ZB 12,LGS:L1-N,PE - 0812146

Marker for terminal blocks, Strip, white, labeled, Printed horizontally: L1, L2, L3, N, PE, Mounting type: Snap into tall marker groove, for terminal block width: 12.2 mm, Lettering field: 10.5 x 12.15 mm

Feed-through terminal block - UK 16 N - 3006043

Accessories

Marker for terminal blocks - UC-TM 12 CUS - 0824613

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: 12 mm, Lettering field: 11.45 x 10.5 mm

Marker for terminal blocks - UCT-TM 12 CUS - 0829630

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: 12 mm, Lettering field: 10.8 x 9.6 mm

Partition plate

Separating plate - TS-K - 1302215

Separating plate, Length: 22 mm, Width: 0.5 mm, Height: 22 mm, Color: gray

Partition plate - ATP-UK - 3003224

Partition plate, Length: 56 mm, Width: 1.5 mm, Height: 45.7 mm, Color: gray

Screw bridge

Fixed bridge - FBI 2-12 - 0200075

Fixed bridge, Pitch: 12 mm, Number of positions: 2, Color: silver

Feed-through terminal block - UK 16 N - 3006043

Accessories

Fixed bridge - FBI 10-12 - 0203454

Fixed bridge, Pitch: 12 mm, Number of positions: 10, Color: silver

---

Screwdriver tools

Screwdriver - SZS 1,0X4,0 VDE - 1205066

Screwdriver, slot-headed, VDE insulated, size: 1.0 x 4.0 x 100 mm, 2-component grip, with non-slip grip

---

Terminal marking

Zack marker strip - ZB 12:UNPRINTED - 0812120

Zack marker strip, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 12.2 mm, Lettering field: 12 x 10.5 mm

---

Marker for terminal blocks - UC-TM 12 - 0819194

Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK CLED, BLUEMARK LED, Plotter, THERMOMARK CARD, THERMOMARK PRIME, Mounting type: Snap into tall marker groove, for terminal block width: 12 mm, Lettering field: 11.45 x 10.5 mm

---

Marker for terminal blocks - UCT-TM 12 - 0829144

Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: THERMOMARK CARD, BLUEMARK CLED, BLUEMARK LED, TOPMARK LASER, THERMOMARK PRIME, Mounting type: Snap into tall marker groove, for terminal block width: 12 mm, Lettering field: 10.8 x 9.6 mm

---

Test plug terminal block

Feed-through terminal block - UK 16 N - 3006043

Accessories

Test plugs - PS-MT - 0311647

Test plugs, Color: silver

Test socket

Female test connector - PSBJ 4/15/6 FARBLOS - 0303419

Female test connector, Color: transparent

Female test connector - PSBJ 4/15/6 WH - 0303312

Female test connector, Color: white

Female test connector - PSBJ 4/15/6 RD - 0303325

Female test connector, Color: red

Female test connector - PSBJ 4/15/6 BU - 0303354

Female test connector, Color: blue

Feed-through terminal block - UK 16 N - 3006043

Accessories

Female test connector - PSBJ 4/15/6 YE - 0303367

Female test connector, Color: yellow

Female test connector - PSBJ 4/15/6 GN - 0303370

Female test connector, Color: green

Female test connector - PSBJ 4/15/6 VT - 0303383

Female test connector, Color: violet

Female test connector - PSBJ 4/15/6 GY - 0303396

Female test connector, Color: gray

Female test connector - PSBJ 4/15/6 BK - 0303406

Female test connector, Color: black

Feed-through terminal block - UK 16 N - 3006043

Accessories

Female test connector - PSB 4/7/6 - 0303299

Female test connector, Color: silver