

Feed-through terminal block - UK 6 N - 3004524

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Feed-through terminal block, Connection method: Screw connection, Cross section: 0.2 mm² - 10 mm², AWG: 24 - 8, Width: 8.2 mm, Color: gray, Mounting type: NS 35/7,5, NS 35/15, NS 32

Product Features

- 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

package_quantity	50
GTIN	4017918090821

Technical data

General

Number of levels	1
Number of connections	2
Color	gray
Insulating material	PA
Inflammability class according to UL 94	V0

General

Maximum load current	57 A (with 10 mm ² conductor cross section)
Rated surge voltage	8 kV
Pollution degree	3
Surge voltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 60947-7-1
Nominal current I _N	41 A
Nominal voltage U _N	800 V
Open side panel	ja
Surge voltage test setpoint	9.8 kV
Result of surge voltage test	Test passed
Power frequency withstand voltage setpoint	2 kV

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Technical data

General

Result of power-frequency withstand voltage test	Test passed
Checking the mechanical stability of terminal points (5 x conductor connection)	Test passed
Bending test rotation speed	10 rpm
Bending test turns	135
Bending test conductor cross section/weight	0.2 mm ² / 0.2 kg
Bending test conductor cross section/weight	6 mm ² / 1.4 kg
Bending test conductor cross section/weight	10 mm ² / 2 kg
Result of bending test	Test passed
Conductor cross section tensile test	0.2 mm ²
Tractive force setpoint	10 N
Conductor cross section tensile test	6 mm ²
Tractive force setpoint	80 N
Conductor cross section tensile test	10 mm ²
Tractive force setpoint	90 N
Tensile test result	Test passed
Tight fit on carrier	NS 32/NS 35
Setpoint	5 N
Result of tight fit test	Test passed
Requirements, voltage drop	≤ 3.2 mV
Result of voltage drop test	Test passed
Temperature-rise test	Test passed
Conductor cross section short circuit testing	6 mm ²
Short-time current	0.72 kA
Conductor cross section short circuit testing	10 mm ²
Short-time current	1.2 kA
Short circuit stability result	Test passed
Proof of thermal characteristics (needle flame) effective duration	30 s
Result of thermal test	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	1.857 (m/s ²) ² /Hz
Acceleration	0.8 g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Oscillation, broadband noise 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

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Technical data

General

Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Shock test result	Test passed
Temperature index, insulating material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Static insulating material application in cold	-60 °C

Dimensions

Width	8.2 mm
Length	42.5 mm
Height NS 35/7,5	47 mm
Height NS 35/15	54.5 mm
Height NS 32	52 mm

Connection data

Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	10 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	8
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	6 mm ²
Min. AWG conductor cross section, stranded	24
Max. AWG conductor cross section, stranded	12
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	6 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	6 mm ²
2 conductors with same cross section, solid min.	0.2 mm ²
2 conductors with same cross section, solid max.	2.5 mm ²
2 conductors with same cross section, stranded min.	0.2 mm ²
2 conductors with same cross section, stranded max.	2.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	4 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1.5 mm ²
Cross section with insertion bridge, solid max.	4 mm ²
Cross section with insertion bridge, stranded max.	4 mm ²

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Technical data

Connection data

Connection method	Screw connection
Stripping length	10 mm
Internal cylindrical gage	A5
Screw thread	M4
Tightening torque, min	1.5 Nm
Tightening torque max	1.8 Nm

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

ETIM

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

UNSPSC

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

approvals

IECEX / ATEX / FM approved / UL Recognized / cUL Recognized / GL / cULus Recognized / CSA / UL Recognized / KEMA-KEUR / cUL Recognized / GOST / LR / GL / BV / DNV / RS / ABS / PRS / KR / NK / CCA / GOST / LR / cULus Recognized /

Approval details

IECEX	
Nominal voltage UN	690 V
Nominal current IN	41 A
mm ² /AWG/kcmil	0.2-6

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approvals

ATEX

Nominal voltage UN	690 V
Nominal current IN	57 A
mm ² /AWG/kcmil	0.2-10

FM approved

Nominal voltage UN	600 V
Nominal current IN	50 A
mm ² /AWG/kcmil	26-8

UL Recognized

Nominal voltage UN	600 V
Nominal current IN	50 A
mm ² /AWG/kcmil	26-8

cUL Recognized

Nominal voltage UN	600 V
Nominal current IN	50 A
mm ² /AWG/kcmil	26-8


GL


Nominal voltage UN	690 V
Nominal current IN	43.5 A
mm ² /AWG/kcmil	6


cULus Recognized


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approvals

CSA 	
Nominal voltage UN	600 V
Nominal current IN	50 A
mm ² /AWG/kcmil	26-8

	
Nominal voltage UN	600 V
Nominal current IN	50 A
mm ² /AWG/kcmil	26-8

KEMA-KEUR 	
Nominal voltage UN	800 V
Nominal current IN	41 A
mm ² /AWG/kcmil	6

	
Nominal voltage UN	600 V
Nominal current IN	50 A
mm ² /AWG/kcmil	26-8

GOST 	
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LR	
Nominal voltage UN	800 V
Nominal current IN	57 A
mm ² /AWG/kcmil	10

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approvals

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BV

DNV

RS

ABS	
Nominal voltage UN	600 V
Nominal current IN	50 A
mm ² /AWG/kcmil	28-8

PRS

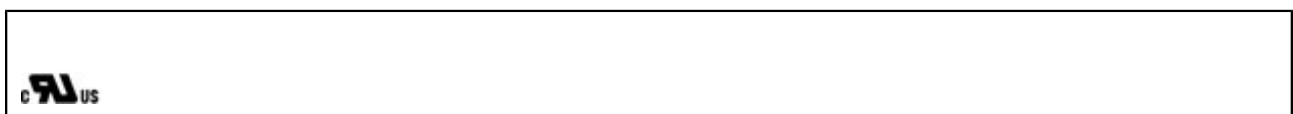
KR

NK

CCA	
Nominal voltage UN	800 V
Nominal current IN	
mm ² /AWG/kcmil	6



Nominal voltage UN	800 V
Nominal current IN	41 A
mm ² /AWG/kcmil	6



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accessories

End cover

D-UK 4/10 - 3003020



Warning label printed

WS 5- 8 - 1004416



WS 4- 8 - 1004212



WS 3- 8 - 1004128



Cover profile

EA 5-WS - 1024085



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accessories

EA 5 - 1024014



Short-circuit connector

KSS 8 - 0311540



Partition plate

TS-K - 1302215



Partition plate

ATP-UK - 3003224



Terminal marking

SBS 8:UNBEDRUCKT - 1007235



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accessories

ZB 8:UNBEDRUCKT - 1052002



UC-TM 8 - 0818072



UCT-TM 8 - 0828740



Insulating sleeve

IS-K 10 - 1303337



ISSBI 10- 8 - 0301534



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accessories

PS-IH WH - 0311566



PS-IH RD - 0311579



PS-IH BU - 0311582



PS-IH YE - 0311595



PS-IH GN - 0311605



PS-IH GY - 0311621



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accessories

PS-IH BK - 0311634



PS-IH VT - 0311618



Bridge

FBI 2- 8 - 0200020



FBI 4- 8 - 0200046



FB 10- 8-EX - 3003185



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accessories

FBI 10- 8 - 0203263



FB 2- 8-EX - 3029224



FB 4- 8 - 0202183



FB 10- 8 - 0202170



FB 3- 8 - 0202167



FBI 3- 8 - 0200059



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accessories

EB 2- 8 - 0202154



EB 3- 8 - 0202141



EB 10- 8 - 0202138



SB 2- 8/13 N - 0200062



EB 4- 8 - 0202142



Mounting rail

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accessories

NS 32 PERF 2000MM - 1201002



NS 32 UNPERF 2000MM - 1201015



NS 35/ 7,5 PERF 2000MM - 0801733



NS 35/ 7,5 UNPERF 2000MM - 0801681



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



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



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accessories

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



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



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



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



NS 35/ 7,5 CAP - 1206560



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accessories

NS 35/15 PERF 2000MM - 1201730



NS 35/15 UNPERF 2000MM - 1201714



NS 35/15 WH PERF 2000MM - 0806602



NS 35/15 WH UNPERF 2000MM - 1204135



NS 35/15 AL UNPERF 2000MM - 1201756



NS 35/15 ZN PERF 2000MM - 1206599



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accessories

NS 35/15 ZN UNPERF 2000MM - 1206586



NS 35/15 CU UNPERF 2000MM - 1201895



NS 35/15 CAP - 1206573



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



Labeled terminal marker

ZB 8 CUS - 0825011



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accessories

UC-TM 8 CUS - 0824597



UCT-TM 8 CUS - 0829616



Test plug terminal block

PS-MT - 0311647



End block

CLIPFIX 35 - 3022218



CLIPFIX 35-5 - 3022276



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accessories

E/NS 35 N - 0800886



E/UK - 1201442



E/UK 1 - 1201413



Test socket

PSBJ 4/15/6 FARBLOS - 0303419



PSBJ 4/15/6 WH - 0303312



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accessories

PSBJ 4/15/6 RD - 0303325



PSBJ 4/15/6 BU - 0303354



PSBJ 4/15/6 YE - 0303367



PSBJ 4/15/6 GN - 0303370



PSBJ 4/15/6 VT - 0303383



PSBJ 4/15/6 GY - 0303396



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accessories

PSBJ 4/15/6 BK - 0303406



PSB 4/7/6 - 0303299



Drawings

Circuit diagram



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