

Feed-through terminal block - UK 5 N - 3004362

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Feed-through terminal block, Connection method: Screw connection, Cross section: 0.2 mm² - 6 mm², AWG: 24 - 10, Width: 6.2 mm, Color: gray, Mounting type: NS 35/7,5, NS 35/15, NS 32

Product Features

- Universal foot which can be used on NS 35... and NS 32... DIN rails
- The UK universal screw terminal block series has the typical features which are decisive for practical applications
- Potential distribution via fixed bridges in the terminal center or insertion bridges in the clamping space



Key commercial data

package_quantity	50
GTIN	4017918090760

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	41 A (with 6 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	32 A
Nominal voltage U _N	800 V
Open side panel	ja
Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
Back of the hand protection	guaranteed

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Technical data

General

Finger protection	guaranteed
Surge voltage test setpoint	9.8 kV
Result of surge voltage test	Test passed
Power frequency withstand voltage setpoint	2 kV
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	4 mm ² / 0.9 kg
Bending test conductor cross section/weight	6 mm ² / 1.4 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	4 mm ²
Tractive force setpoint	60 N
Conductor cross section tensile test	6 mm ²
Tractive force setpoint	80 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	4 mm ²
Short-time current	0.48 kA
Conductor cross section short circuit testing	6 mm ²
Short-time current	0.72 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	0.02 g 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

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Technical data

General

Test specification, shock test	DIN EN 50155 (VDE 0115-200):2008-03
Shock form	Half-sine
Acceleration	5g (10-150-10 Hz)
Shock duration	30 ms
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	6.2 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.	6 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	10
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	4 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.	4 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.	2.5 mm ²
2 conductors with same cross section, solid min.	0.2 mm ²
2 conductors with same cross section, solid max.	1.5 mm ²
2 conductors with same cross section, stranded min.	0.2 mm ²
2 conductors with same cross section, stranded max.	1.5 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.	2.5 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm ²

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Connection data

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
Connection method	Screw connection
Stripping length	8 mm
Internal cylindrical gage	A4
Screw thread	M3
Tightening torque, min	0.6 Nm
Tightening torque max	0.8 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 / UL Recognized / cUL Recognized / cULus Recognized / CSA / UL Recognized / KEMA-KEUR / cUL Recognized / GOST / LR / GL / BV / DNV / RS / PRS / KR / NK / CCA / IECCE CB Scheme / GOST / LR / cULus Recognized /


Approval details


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approvals


IECEX	
Nominal voltage UN	550 V
Nominal current IN	33 A
mm ² /AWG/kcmil	0.2-6

ATEX 	
Nominal voltage UN	550 V
Nominal current IN	37.5 A
mm ² /AWG/kcmil	0.2-6

FM approved 	
Nominal voltage UN	600 V
Nominal current IN	30 A
mm ² /AWG/kcmil	30-10

UL Recognized 	
Nominal voltage UN	600 V
Nominal current IN	30 A
mm ² /AWG/kcmil	30-10

cUL Recognized 	
Nominal voltage UN	600 V
Nominal current IN	30 A
mm ² /AWG/kcmil	30-10

GL 	
Nominal voltage UN	690 V

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approvals

Nominal current IN	32.5 A
mm ² /AWG/kcmil	4

Nominal voltage UN	600 V
Nominal current IN	30 A
mm ² /AWG/kcmil	30-10

Nominal voltage UN	600 V
Nominal current IN	30 A
mm ² /AWG/kcmil	30-10

cULus Recognized	
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Nominal voltage UN	600 V
Nominal current IN	40 A
mm ² /AWG/kcmil	28-10

Nominal voltage UN	600 V
Nominal current IN	30 A
mm ² /AWG/kcmil	30-10

KEMA-KEUR	
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Nominal voltage UN	800 V
Nominal current IN	
mm ² /AWG/kcmil	4

Nominal voltage UN	600 V
Nominal current IN	30 A
mm ² /AWG/kcmil	30-10

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

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BV

DNV

RS

PRS

KR

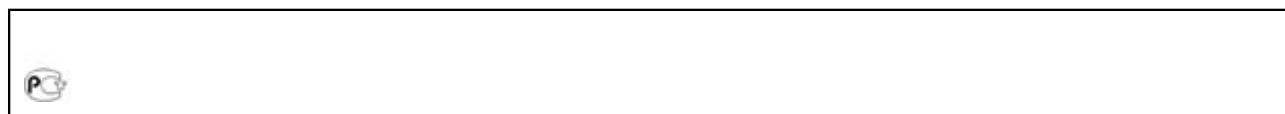
NK

CCA	
Nominal voltage UN	800 V
Nominal current IN	
mm ² /AWG/kcmil	4

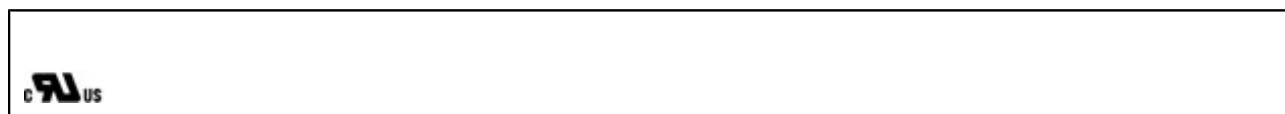
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approvals

IECEE CB Scheme	
Nominal voltage UN	800 V
Nominal current IN	
mm ² /AWG/kcmil	4



Nominal voltage UN	800 V
Nominal current IN	32 A
mm ² /AWG/kcmil	4



accessories

End cover

D-UK 4/10 - 3003020



Warning label printed

WS 3- 6 - 1004115



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accessories

WS 4- 6 - 1004209



WS 5- 6 - 1004403



Mounting material

ZSR - 2303608



ZSR-EX - 0200017



Bridge

FB-150 METER - 0201595



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accessories

STL 10N/5N - 0204110



STL 35/ 5 - 0204107



LB 10-6 BU - 0202280



LB 10-6 GY - 0202358



LB 100-6 GY - 0202345



LB 100-6 BU - 0202303



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accessories

KB- 6-EX - 0201485



FB 100- 6 - 0201524



FBI 2- 6 - 0203438



FBI 10- 6 - 0203250



FB 3- 6-EX - 0201469



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accessories

FB 2- 6-EX - 0201456



FB 5- 6 - 0201029



FBI 100- 6 - 0201650



FBI 20- 6 - 0201867



FB 10- 6-EX - 0201281



FB 10- 6 - 0201184



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accessories

EB 2- 6 - 0201155



EB 3- 6 - 0201142



EB 10- 6 - 0201139



USBRJ 2-7 - 2305538



USBR 2-7 - 2303239



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accessories

LB 100-6 RD - 0202316



LB 10-6 RD - 0202293



Short-circuit connector

KSS 6 - 0301547



KSS 3- 6 - 0309523



Cover profile

EA 5 - 1024014



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accessories

EA 5-WS - 1024085



Test plug terminal block

PS-UK 2,5 B/Z-6 - 3001239



PS-UK 2,5 B/E - 3001132



RPS - 0201647



MPS-MT - 0201744



Partition plate

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accessories

TS-K - 1302215



Partition plate

ATP-UK - 3003224



Terminal marking

SBS 6:UNBEDRUCKT - 1007222



ZB 6:UNBEDRUCKT - 1051003



UC-TM 6 - 0818085



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accessories

UCT-TM 6 - 0828736



Insulating sleeve

IS-K 4 - 1302338



ISSBI 10- 6 - 0301505



MPS-IH WH - 0201663



MPS-IH RD - 0201676



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accessories

MPS-IH BU - 0201689



MPS-IH YE - 0201692



MPS-IH GN - 0201702



MPS-IH GY - 0201728



MPS-IH BK - 0201731



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 6 CUS - 0824992



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accessories

UC-TM 6 CUS - 0824589



UCT-TM 6 CUS - 0829602



Planning and marking software

CLIP-PROJECT ADVANCED - 5146040



CLIP-PROJECT PROFESSIONAL - 5146053



End block

CLIPFIX 35 - 3022218



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accessories

CLIPFIX 35-5 - 3022276



E/NS 35 N - 0800886



E/UK - 1201442



E/UK 1 - 1201413



Test socket

PSBJ 3/13/4 - 0201304



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accessories

PSB 3/10/4 - 0601292



accessories

FB 20- 6 - 0203506

FB 4- 6-EX - 0201443

Drawings

Circuit diagram



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