

Feed-through terminal block - UK 35 - 3008012

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Feed-through terminal block, Connection method: Screw connection, Cross section: 0.75 mm² - 50 mm², AWG: 18 - 1/0, Width: 15.1 mm, Color: gray, Mounting type: NS 35/7,5, NS 35/15, NS 32

Product Features

- ✓ 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
- ✓ The multi-conductor connection offers maximum flexibility and wiring density



Key commercial data

package_quantity	50
GTIN	4017918091552

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	150 A (with 50 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	150 A
Nominal voltage U _N	1000 V
Open side panel	nein
Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11

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Technical data

General

Back of the hand protection	guaranteed
Finger protection	guaranteed
Surge voltage test setpoint	9.8 kV
Result of surge voltage test	Test passed
Power frequency withstand voltage setpoint	2.2 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	0.75 mm ² / 0.4 kg
Bending test conductor cross section/weight	35 mm ² / 6.8 kg
Bending test conductor cross section/weight	50 mm ² / 9.5 kg
Result of bending test	Test passed
Conductor cross section tensile test	0.75 mm ²
Tractive force setpoint	30 N
Conductor cross section tensile test	35 mm ²
Tractive force setpoint	190 N
Conductor cross section tensile test	50 mm ²
Tractive force setpoint	236 N
Tensile test result	Test passed
Tight fit on carrier	NS 32/NS 35
Setpoint	10 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	35 mm ²
Short-time current	4.2 kA
Conductor cross section short circuit testing	50 mm ²
Short-time current	6 kA
Short circuit stability result	Test passed
Proof of thermal characteristics (needle flame) effective duration	30 s
Result of thermal test	Test passed
Temperature index, insulating material (DIN EN 60216-1 (VDE 0304-21))	125 °C
Static insulating material application in cold	-60 °C

Dimensions

Width	15.1 mm
Length	50 mm
Height NS 35/7,5	62 mm

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Technical data

Dimensions

Height NS 35/15	69.5 mm
Height NS 32	67 mm

Connection data

Conductor cross section solid min.	0.75 mm ²
Conductor cross section solid max.	50 mm ²
Conductor cross section AWG/kcmil min.	18
Conductor cross section AWG/kcmil max	1/0
Conductor cross section stranded min.	0.75 mm ²
Conductor cross section stranded max.	35 mm ²
Min. AWG conductor cross section, stranded	18
Max. AWG conductor cross section, stranded	2
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.75 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	35 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.75 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	35 mm ²
2 conductors with same cross section, solid min.	0.75 mm ²
2 conductors with same cross section, solid max.	16 mm ²
2 conductors with same cross section, stranded min.	0.75 mm ²
2 conductors with same cross section, stranded max.	10 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.75 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	6 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.75 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	10 mm ²
Connection method	Screw connection
Stripping length	16 mm
Internal cylindrical gage	B9
Screw thread	M6
Tightening torque, min	3.2 Nm
Tightening torque max	3.7 Nm

classifications

eCl@ss

eCl@ss 4.0	27141120
eCl@ss 4.1	27141120
eCl@ss 5.0	27141120

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classifications

eCl@ss

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 / GOST / LR / BV / RS / PRS / KR / NK / CCA / IECCE CB Scheme / KEMA-KEUR / GL / GOST / BV /

Approval details

IECEX	
Nominal voltage UN	690 V
Nominal current IN	118.5 A
mm²/AWG/kcmil	0.75-35

ATEX 	
Nominal voltage UN	690 V
Nominal current IN	147 A
mm²/AWG/kcmil	0.75-50

FM approved 	
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approvals

Nominal voltage UN	600 V
Nominal current IN	150 A
mm²/AWG/kcmil	18

UL Recognized 	
Nominal voltage UN	600 V
Nominal current IN	150 A
mm²/AWG/kcmil	

cUL Recognized 	
Nominal voltage UN	600 V
Nominal current IN	150 A
mm²/AWG/kcmil	

GL 	
Nominal voltage UN	690 V
Nominal current IN	118.5 A
mm²/AWG/kcmil	35

cULus Recognized 	
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CSA 		
Usegroups	B	C
Nominal voltage UN	600 V	600 V
Nominal current IN	150 A	150 A
mm²/AWG/kcmil	18	18

		
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approvals

Nominal voltage UN	600 V
Nominal current IN	150 A
mm²/AWG/kcmil	18

KEMA-KEUR 	
Nominal voltage UN	1000 V
Nominal current IN	
mm²/AWG/kcmil	35

GOST 	
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LR

BV

RS

PRS

KR

NK

CCA	
Nominal voltage UN	
Nominal current IN	
mm²/AWG/kcmil	35

IECEE CB Scheme 	
Nominal voltage UN	1000 V
Nominal current IN	
mm²/AWG/kcmil	35

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approvals

	
Nominal voltage UN	1000 V
Nominal current IN	
mm²/AWG/kcmil	35



accessories

Warning label printed

WS 5-15 - 1004445



WS 4-15 - 1004241



Cover profile

EA 11 - 1024263



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accessories

Bridge

STL 35/10 - 0204084



STL 35/ 5 - 0204107



STL 35/16 - 0204097



KBI- 15 - 0205203



FBI 2-15 - 0201333



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accessories

FBI 3-15 - 0201278



EB 2-15 - 0203166



EB 10-15 - 0205135



EB 2-15 K/UK 35 - 0205119



EB 3-15 K/UK 35 - 0205106



EB 10-15 K/UK 35 - 0205096



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accessories

SBH 2-15 - 0205232



Partition plate

TS-K - 1302215



TP-UK 35 - 3008096



Mounting rail

NS 32 PERF 2000MM - 1201002



NS 32 UNPERF 2000MM - 1201015



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accessories

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



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



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



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



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



NS 35/ 7,5 CAP - 1206560



NS 35/15 PERF 2000MM - 1201730



NS 35/15 UNPERF 2000MM - 1201714



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accessories

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



NS 35/15 ZN UNPERF 2000MM - 1206586



NS 35/15 CU UNPERF 2000MM - 1201895



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accessories

NS 35/15 CAP - 1206573



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



Terminal marking

ZB 15:UNBEDRUCKT - 0811972



Labeled terminal marker

ZB 15 CUS - 0824945



Test plug terminal block

PS-MT - 0311647



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accessories

Insulating sleeve

PS-IH WH - 0311566



PS-IH RD - 0311579



PS-IH BU - 0311582



PS-IH YE - 0311595



PS-IH GN - 0311605



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accessories

PS-IH GY - 0311621



PS-IH BK - 0311634



PS-IH VT - 0311618



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

PSB 6/5/6 - 0205290



Drawings

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