

## Feed-through terminal block - UK 35 - 3008012

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Feed-through terminal block, Connection method: Screw connection, Cross section: 0.75 mm<sup>2</sup> - 50 mm<sup>2</sup>, AWG: 18 - 1/0, Width: 15.1 mm, Color: gray, Mounting type: NS 35/7,5, NS 35/15, NS 32

### Why buy this product

- ✓ 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

Packing unit	50 pc
GTIN	 4 017918 091552
Weight per Piece (excluding packing)	55.656 g
Weight per piece (including packing)	57.6 g
Custom tariff number	85369010
Country of origin	Germany
Sales Key	A1 - Terminal Strips

### Technical data

#### General

Number of levels	1
Number of connections	2
Color	gray
Insulating material	PA
Inflammability class according to UL 94	V0
Maximum load current	150 A (with 50 mm <sup>2</sup> conductor cross section)
Rated surge voltage	8 kV
Pollution degree	3

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## Technical data

### General

Surge voltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 60947-7-1
Nominal current $I_N$	125 A
Nominal voltage $U_N$	1000 V
Open side panel	nein
Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
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 <sup>2</sup> / 0.4 kg
	35 mm <sup>2</sup> / 6.8 kg
	50 mm <sup>2</sup> / 9.5 kg
Result of bending test	Test passed
Conductor cross section tensile test	0.75 mm <sup>2</sup>
Tractive force setpoint	30 N
Conductor cross section tensile test	35 mm <sup>2</sup>
Tractive force setpoint	190 N
Conductor cross section tensile test	50 mm <sup>2</sup>
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 <sup>2</sup>
Short-time current	4.2 kA
Conductor cross section short circuit testing	50 mm <sup>2</sup>
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

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## Technical data

### General

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

### Connection data

Connection in acc. with standard	IEC 60947-7-1
Connection method	Screw connection
Conductor cross section solid min.	0.75 mm <sup>2</sup>
Conductor cross section solid max.	50 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	18
Conductor cross section AWG/kcmil max.	1/0
Conductor cross section stranded min.	0.75 mm <sup>2</sup>
Conductor cross section stranded max.	35 mm <sup>2</sup>
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 <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	35 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.75 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve max.	35 mm <sup>2</sup>
2 conductors with same cross section, solid min.	0.75 mm <sup>2</sup>
2 conductors with same cross section, solid max.	16 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.75 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	10 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.75 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	6 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.75 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	10 mm <sup>2</sup>
Stripping length	16 mm
Internal cylindrical gage	B9
Screw thread	M6
Tightening torque, min	3.2 Nm

# Feed-through terminal block - UK 35 - 3008012

## Technical data

### Connection data

Tightening torque max	3.7 Nm
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## 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

### Approvals

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#### Approvals

CSA / UL Recognized / KEMA-KEUR / GOST / LR / BV / RS / PRS / KR / NK / CCA / IECCE CB Scheme / KEMA-KEUR / GL / GOST / cUL Recognized / cULus Recognized

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#### Ex Approvals

IECEX / ATEX / FM approved / UL Recognized / cUL Recognized / GL / cULus Recognized

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#### Approvals submitted

BV

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# Feed-through terminal block - UK 35 - 3008012

## Approvals

### Approval details

CSA		
	B	C
mm <sup>2</sup> /AWG/kcmil	18	18
Nominal current I <sub>N</sub>	150 A	150 A
Nominal voltage U <sub>N</sub>	600 V	600 V

UL Recognized			
		B	C
mm <sup>2</sup> /AWG/kcmil	18	18	18
Nominal current I <sub>N</sub>	150 A	150 A	150 A
Nominal voltage U <sub>N</sub>	600 V	600 V	600 V

KEMA-KEUR	
mm <sup>2</sup> /AWG/kcmil	35
Nominal voltage U <sub>N</sub>	1000 V

GOST
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LR
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BV
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RS
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PRS
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KR
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NK
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# Feed-through terminal block - UK 35 - 3008012

## Approvals


CCA	
mm <sup>2</sup> /AWG/kcmil	35

IECEE CB Scheme 	
mm <sup>2</sup> /AWG/kcmil	35
Nominal voltage UN	1000 V

KEMA-KEUR 	
mm <sup>2</sup> /AWG/kcmil	35
Nominal voltage UN	1000 V

GL
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GOST 
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cUL Recognized 		
	B	C
mm <sup>2</sup> /AWG/kcmil	18	18
Nominal current I <sub>N</sub>	150 A	150 A
Nominal voltage U <sub>N</sub>	600 V	600 V

cULus Recognized 		
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## Accessories

Accessories

Bridge

## Feed-through terminal block - UK 35 - 3008012

### Accessories

Step bracket - STL 35/10 - 0204084



Step bracket, Number of positions: 2, Color: white aluminum

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Step bracket - STL 35/ 5 - 0204107



Step bracket, Number of positions: 2, Color: white aluminum

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Step bracket - STL 35/16 - 0204097



Step bracket, Number of positions: 2, Color: white aluminum

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Chain bridge - KBI- 15 - 0205203



Chain bridge, Number of positions: 1, Color: silver

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Fixed bridge - FBI 2-15 - 0201333



Fixed bridge, Number of positions: 2, Color: silver

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## Feed-through terminal block - UK 35 - 3008012

### Accessories

Fixed bridge - FBI 3-15 - 0201278



Fixed bridge, Number of positions: 3, Color: silver

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Insertion bridge - EB 2-15 - 0203166



Insertion bridge, Number of positions: 2, Color: gray

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Insertion bridge - EB 10-15 - 0205135



Insertion bridge, Number of positions: 10, Color: gray

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Insertion bridge - EB 2-15 K/UK 35 - 0205119



Insertion bridge, Number of positions: 2, Color: gray

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Insertion bridge - EB 3-15 K/UK 35 - 0205106



Insertion bridge, Number of positions: 3, Color: gray

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## Feed-through terminal block - UK 35 - 3008012

### Accessories

Insertion bridge - EB 10-15 K/UK 35 - 0205096



Insertion bridge, Number of positions: 10, Color: gray

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Switching jumper - SBH 2-15 - 0205232



Switching jumper, Number of positions: 1, Color: silver

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### Cover profile

Cover profile - EA 11 - 1024263



Single cover, for covering one terminal block, snap fit, cannot be labeled, color: transparent

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### 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

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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

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## Feed-through terminal block - UK 35 - 3008012

### Accessories

End clamp - E/NS 35 N - 0800886



End clamp, width: 9.5 mm, color: gray

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End clamp - E/UK - 1201442



End clamp, for assembly on NS 32 or NS 35/7.5 DIN rail

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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

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### Insulating sleeve

Insulating sleeve - PS-IH WH - 0311566



Insulating sleeve, Color: white

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Insulating sleeve - PS-IH RD - 0311579



Insulating sleeve, Color: red

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## Feed-through terminal block - UK 35 - 3008012

### Accessories

Insulating sleeve - PS-IH BU - 0311582



Insulating sleeve, Color: blue

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Insulating sleeve - PS-IH YE - 0311595



Insulating sleeve, Color: yellow

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Insulating sleeve - PS-IH GN - 0311605



Insulating sleeve, Color: green

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Insulating sleeve - PS-IH GY - 0311621



Insulating sleeve, Color: gray

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Insulating sleeve - PS-IH BK - 0311634



Insulating sleeve, Color: black

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## Feed-through terminal block - UK 35 - 3008012

### Accessories

Insulating sleeve - PS-IH VT - 0311618



Insulating sleeve, Color: violet

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### Labeled terminal marker

Zack marker strip - ZB 15 CUS - 0824945



Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, Mounting type: Snap into tall marker groove, for terminal block width: 15.2 mm, Lettering field: 10.5 x 15.1 mm

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Marker for terminal blocks - ZB 15,LGS:L1-N,PE - 0811998



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: 15.2 mm, Lettering field: 10.5 x 15.1 mm

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### Mounting 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

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



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

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## Feed-through terminal block - UK 35 - 3008012

### Accessories

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

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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

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



DIN rail 35 mm (NS 35)

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



DIN rail 35 mm (NS 35)

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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

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## Feed-through terminal block - UK 35 - 3008012

### Accessories

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

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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

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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

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



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

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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

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## Feed-through terminal block - UK 35 - 3008012

### Accessories

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



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

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



DIN rail 35 mm (NS 35)

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



DIN rail 35 mm (NS 35)

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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

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



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

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## Feed-through terminal block - UK 35 - 3008012

### Accessories

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



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

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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

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End cap - NS 35/15 CAP - 1206573



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

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



DIN rail, material: Steel, unperforated, 2.3 mm thick, height 15 mm, width 35 mm, length: 2 m

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### Partition plate

Separating plate - TS-K - 1302215



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

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## Feed-through terminal block - UK 35 - 3008012

### Accessories

Separating plate - TP-UK 35 - 3008096



Separating plate, Width: 2 mm, Color: gray

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### Terminal marking

Zack marker strip - ZB 15:UNBEDRUCKT - 0811972



Zack marker strip, Strip, white, Unlabeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 15.2 mm, Lettering field: 10.5 x 15.1 mm

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### Test plug terminal block

Test plugs - PS-MT - 0311647



Test plugs

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### Test socket

Female test connector - PSB 6/5/6 - 0205290



Female test connector, Color: silver

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### Warning label printed

Warning label - WS 5-15 - 1004445



Warning label, Plate, orange, labeled: Lightning flash and warning in English, Mounting type: Screws, rivets, for terminal block width: 15 mm

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## Feed-through terminal block - UK 35 - 3008012

### Accessories

Warning label - WS 4-15 - 1004241

Warning label, Plate, orange, labeled: Lightning flash and warning in English, Mounting type: Screws, rivets, for terminal block width: 15 mm



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