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Feed-through terminal block - UIK 16 - 3006153

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Feed-through terminal block, Screw connection, Cross section: 2.5 mm² - 25 mm², AWG: 12 - 4, Width: 12.2 mm, Color: gray, Mounting type: NS 35/7.5, NS 35/15, NS 32

Why buy this product

- Installation terminal blocks with a particularly low-profile design for use in flat distributors
- The asymmetrical arrangement of the terminal blocks on the DIN rail enables the neutral busbar to be routed past the terminal blocks

Key commercial data

Packing unit	1
Minimum order quantity	50
Catalog page	Page 487 (CL1-2011)
GTIN	4 017918 091378
Custom tariff number	85369010
Country of origin	GERMANY

Technical data

General

Number of levels	1
Number of connections	2
Color	gray
Insulating material	PA
Inflammability class according to UL 94	V2

Dimensions

Width	12.2 mm
Length	42.5 mm
Height NS 35/7,5	47 mm
Height NS 35/15	54.5 mm
Height NS 32	52 mm

Technical data

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Technical data

Technical data

Maximum load current	101 A (with 25 mm^2 conductor cross section)
Rated surge voltage	6 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	76 A
Nominal voltage U_N	400 V
Open side panel	ja
Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
Back of the hand protection	guaranteed
Surge voltage test setpoint	6 kV
Result of surge voltage test	Test passed
Power frequency withstand voltage setpoint	1.89 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	2.5 mm² / 0.7 kg
Bending test conductor cross section/weight	16 mm² / 2.9 kg
Bending test conductor cross section/weight	25 mm² / 4.5 kg
Result of bending test	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
Tensile test result	Test passed
Tight fit on carrier	NS 35/NS 32
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	16 mm²
Short-time current	1.92 kA
Conductor cross section short circuit testing	25 mm²
Short-time current	3 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

Technical data

Temperature index, insulating material (DIN EN 60216-1 (VDE 0304-21))	115 °C

Connection data

Conductor cross section solid min.	2.5 mm²
Conductor cross section solid max.	25 mm²
Conductor cross section stranded min.	4 mm²
Conductor cross section stranded max.	16 mm²
Conductor cross section AWG/kcmil min.	12
Conductor cross section AWG/kcmil max	4
Conductor cross section stranded, with ferrule without plastic sleeve min.	1.5 mm²
Conductor cross section stranded, with ferrule without plastic sleeve max.	16 mm²
Conductor cross section stranded, with ferrule with plastic sleeve min.	1.5 mm²
Conductor cross section stranded, with ferrule with plastic sleeve 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.	6 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.	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
Connection method	Screw connection
Stripping length	11 mm
Screw thread	M4
Tightening torque, min	1.5 Nm
Tightening torque max	1.8 Nm

Classifications

ETIM

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

UNSPSC

UNSPSC 11	39121410

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Classifications

UNSPSC

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

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

Approvals

Approvals

Approvals

CSA / UL Recognized / KEMA-KEUR / cUL Recognized / CCA / GOST / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

CSA

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

UL Recognized

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

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Approvals

KEMA-KEUR

mm²/AWG/kcmil	16
Nominal current IN	76 A
Nominal voltage UN	400 V

cUL Recognized

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

CCA

mm²/AWG/kcmil	16
Nominal voltage UN	400 V

GOST

cULus Recognized

Accessories

Accessories

Assembly

End cover - D-UK 4/10 - 3003020



End cover, Length: 42.5 mm, Width: 1.8 mm, Height: 35.9 mm, Color: gray

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Feed-through terminal block - UIK 16 - 3006153

Accessories

Separating plate - TS-K - 1302215



Separating plate, Length: 22 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

DIN rail - NS 32 PERF 2000MM - 1201002



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

DIN rail - 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

DIN rail - 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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Accessories

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



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

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



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

DIN rail - 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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Feed-through terminal block - UIK 16 - 3006153

Accessories

DIN rail - 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

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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DIN rail - 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 - 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)

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Accessories

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 - NS 35/15 ZN PERF 2000MM - 1206599



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

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



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

DIN rail - 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

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Feed-through terminal block - UIK 16 - 3006153

Accessories

DIN rail - 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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End clamp - CLIPFIX 35 - 3022218



Snap-on end bracket, for 35 mm NS 35/7.5 or NS 35/15 DIN rail, can be fitted with Zack strip ZB 8 and ZB 8/27, terminal strip marker KLM 2 and KLM, 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, can be fitted with ZB 5 and ZBF 5 zack marker strip, KLM 2, KLM3, and KML3L terminal strip marker, parking option for FBS...5, FBS...6, KSS 5, KSS 6, width: 5.15 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

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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Bridges

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Accessories

Fixed bridge - FBI 2-12 - 0200075



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

Fixed bridge - FBI 10-12 - 0203454



Fixed bridge, Number of positions: 10, Color: silver

Insertion bridge - EB 10-12 - 3006137



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

Switching jumper - SB 2- 8/13 - 0202235



Switching jumper, Number of positions: 2, Color: aluminum

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

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Feed-through terminal block - UIK 16 - 3006153

Accessories

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

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Marker for terminal blocks - UC-TM 12 - 0819194



Marker for terminal blocks, Sheet, white, Unlabeled, Can be labeled with: Bluemark, Plotter, BLUEMARK CLED, Mounting type: Snap into tall marker groove, For terminal block width: 12 mm, Lettering field: 11.45 x 10.5 mm

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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

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Marker for terminal blocks - UCT-TM 12 - 0829144



Marker for terminal blocks, Sheet, white, Unlabeled, Can be labeled with: Thermomark C+, Thermomark C, Bluemark, BLUEMARK CLED, Mounting type: Snap into tall marker groove, For terminal block width: 12 mm, Lettering field: 10.8 x 9.6 mm

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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

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Plug/Adapter

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Accessories

Test plugs - PS-MT - 0311647



Test plugs

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

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Feed-through terminal block - UIK 16 - 3006153

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

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

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Feed-through terminal block - UIK 16 - 3006153

Accessories

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

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

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Accessories

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



Female test connector, Color: black

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



Female test connector, Color: silver

Warning label - WS 4-12 - 0805328



Warning plate, with 2 plastic screws, across 4 terminal blocks, pitch 12 mm

Warning label - WS 5-12 - 0805315



Warning plate, with 2 plastic screws, across 5 terminal blocks, pitch 12 mm

End clamp - E/NS 35 N - 0800886



End clamp, width: 9.5 mm, color: gray

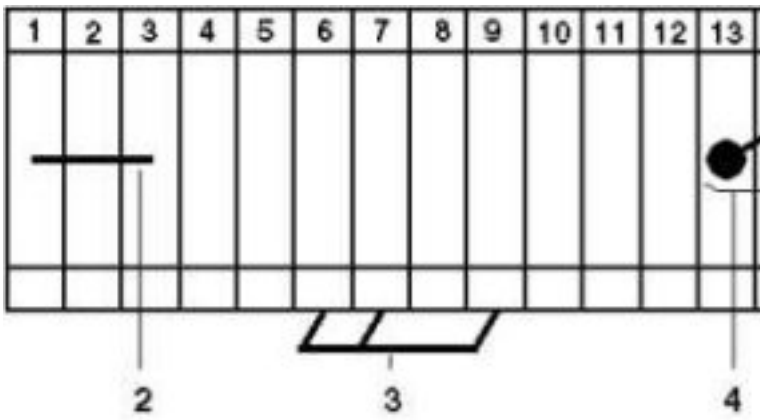
Drawings

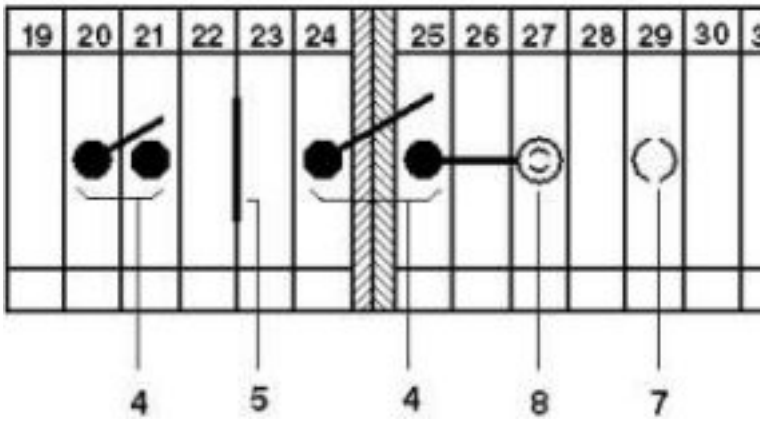
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Feed-through terminal block - UIK 16 - 3006153

Circuit diagram

Circuit diagram





1 = cover
2 = fixed bridge
3 = insertion bridge
4 = switch bar for 2 terminal blocks
5 = separating plate
6 = partition plate
7 = test plug socket, for test connection with test plug PS
8 = test plug socket, insulated, can only be used with FBI

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