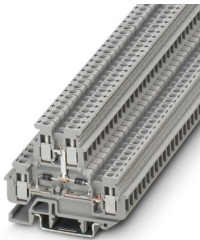


MBKKB 2,5-2DIO/O-UL/O-UR - Mini feed-through terminal block

3003871
<https://www.phoenixcontact.com/us/products/3003871>

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Mini feed-through terminal block, The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A., with integrated diode, nom. voltage: 500 V, nominal current: 24 A, 1st and 2nd level, connection method: Screw connection, Rated cross section: 2.5 mm², cross section: 0.2 mm² - 4 mm², mounting: NS 15, NS 35/7,5, NS 35/15, color: gray

Commercial data

Item number	3003871
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BE12
Product key	BE1264
Catalog page	Page 531 (C-1-2017)
GTIN	4017918100636
Weight per piece (including packing)	12.3 g
Weight per piece (excluding packing)	11.42 g
Customs tariff number	85369010
Country of origin	PL

MBKKB 2,5-2DIO/O-UL/O-UR - Mini feed-through terminal block



3003871

<https://www.phoenixcontact.com/us/products/3003871>

Technical data

Notes

General	The max. current is determined by the diode. Installed: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A.
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Product properties

Product type	Miniature terminal block
Number of connections	4
Number of rows	2
Potentials	2

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	6 kV
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Connection data

Number of connections per level	2
Nominal cross section	2.5 mm ²

1st and 2nd level

Screw thread	M3
Tightening torque	0.5 ... 0.6 Nm
Stripping length	7 mm
Internal cylindrical gage	A3
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	0.2 mm ² ... 4 mm ²
Cross section AWG	24 ... 12 (converted acc. to IEC)
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross section, flexible [AWG]	24 ... 14 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm ² ... 2.5 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.25 mm ² ... 2.5 mm ²
Cross-section with insertion bridge, rigid	2.5 mm ²
Cross-section with insertion bridge, flexible	2.5 mm ²
2 conductors with same cross section, solid	0.2 mm ² ... 1 mm ²
2 conductors with same cross section, flexible	0.2 mm ² ... 1.5 mm ²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.25 mm ² ... 1.5 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ² ... 1.5 mm ²

MBKKB 2,5-2DIO/O-UL/O-UR - Mini feed-through terminal block



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Nominal current	24 A
Maximum load current	24 A (with 4 mm ² conductor cross section)
Nominal voltage	500 V (Data is based on the dielectric strength of adjacent terminal blocks or of the DIN rail.)
Nominal cross section	2.5 mm ²

Dimensions

Width	5.2 mm
End cover width	2.5 mm

Material specifications

Color	gray
Flammability rating according to UL 94	V2
Insulating material group	I
Insulating material	PA

Mechanical properties

Mechanical data

Open side panel	Yes
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Standards and regulations

Connection in acc. with standard	IEC 60947-7-1
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Mounting

Mounting type	NS 15
	NS 35/7,5
	NS 35/15

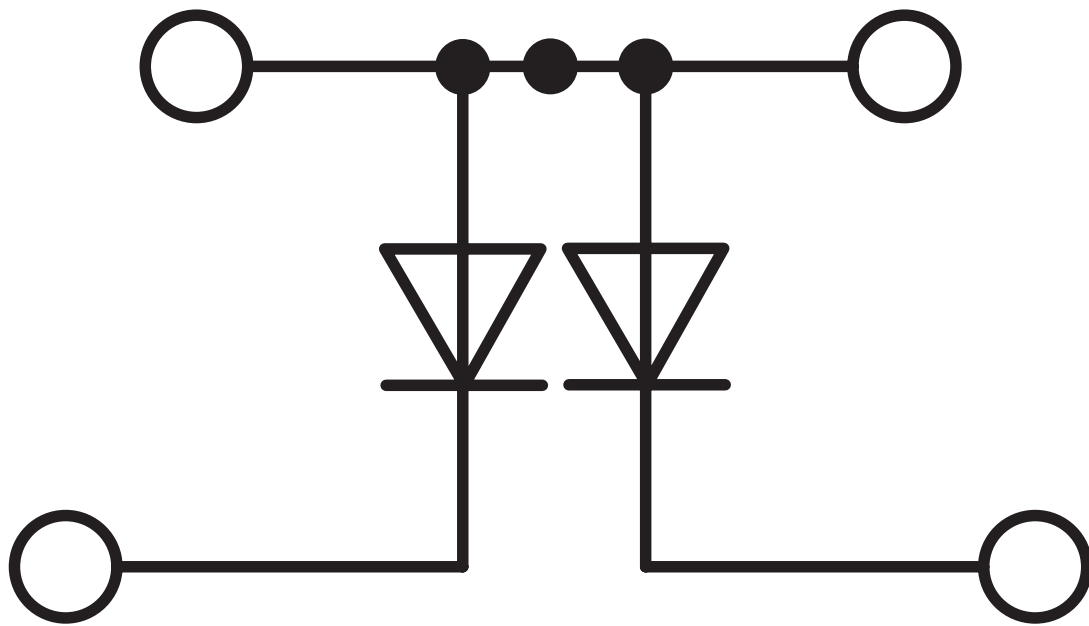
MBKKB 2,5-2DIO/O-UL/O-UR - Mini feed-through terminal block

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Drawings

Circuit diagram



MBKKB 2,5-2DIO/O-UL/O-UR - Mini feed-through terminal block



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Classifications

ECLASS

ECLASS-11.0	27141127
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MBKKB 2,5-2DIO/O-UL/O-UR - Mini feed-through terminal block



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<https://www.phoenixcontact.com/us/products/3003871>

Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes
Exemption	7(a)
China RoHS	
Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)

MBKKB 2,5-2DIO/O-UL/O-UR - Mini feed-through terminal block



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<https://www.phoenixcontact.com/us/products/3003871>

Accessories



Note: Applying some accessories below might limit this product.

FBRNI 2-5 N - Fixed bridge

3000175

<https://www.phoenixcontact.com/us/products/3000175>



Fixed bridge, pitch: 5 mm, number of positions: 2, color: silver

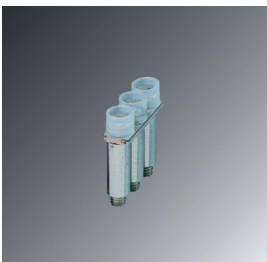


Max. current carrying capacity: 22 A

FBRNI 3-5 N - Fixed bridge

3000162

<https://www.phoenixcontact.com/us/products/3000162>



Fixed bridge, pitch: 5 mm, number of positions: 3, color: silver



Max. current carrying capacity: 22 A

MBKKB 2,5-2DIO/O-UL/O-UR - Mini feed-through terminal block



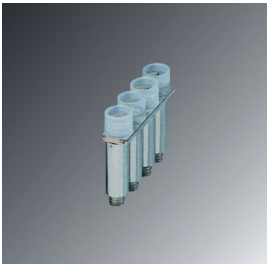
3003871

<https://www.phoenixcontact.com/us/products/3003871>

FBRNI 4-5 N - Fixed bridge

3000159

<https://www.phoenixcontact.com/us/products/3000159>



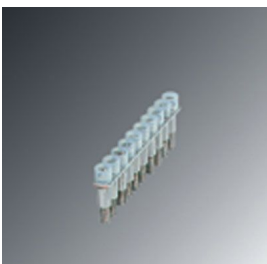
Fixed bridge, pitch: 5 mm, number of positions: 4, color: silver

 Max. current carrying capacity: 22 A

FBRNI 10-5 N - Fixed bridge

2770639

<https://www.phoenixcontact.com/us/products/2770639>



Fixed bridge, pitch: 5.2 mm, number of positions: 10, color: silver

 Max. current carrying capacity: 22 A

MBKKB 2,5-2DIO/O-UL/O-UR - Mini feed-through terminal block



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<https://www.phoenixcontact.com/us/products/3003871>

DP-MBKKB 2,5 - Spacer plate

1413065

<https://www.phoenixcontact.com/us/products/1413065>



Spacer plate, width: 2.5 mm, height: 62 mm, color: gray

D-MBKKB 2,5 - End cover

1413052

<https://www.phoenixcontact.com/us/products/1413052>



End cover, depth: 40 mm, width: 5 mm, height: 62 mm, color: gray

MBKKB 2,5-2DIO/O-UL/O-UR - Mini feed-through terminal block



3003871

<https://www.phoenixcontact.com/us/products/3003871>

SBS 5:UNBEDRUCKT - Marker card

1007219

<https://www.phoenixcontact.com/us/products/1007219>



Marker card, Card, white, unlabeled, can be labeled with: Marker pen, perforated, mounting type: snap into tall marker groove, snap into flat marker groove, for terminal block width: 5 mm, lettering field size: 6 x 5.1 mm, Number of individual labels: 250

SZS 0,6X3,5 - Screwdriver

1205053

<https://www.phoenixcontact.com/us/products/1205053>



Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

MBKKB 2,5-2DIO/O-UL/O-UR - Mini feed-through terminal block



3003871

<https://www.phoenixcontact.com/us/products/3003871>

NS 15 UNPERF 2000MM VPE 10 - DIN rail, unperforated

1401695

<https://www.phoenixcontact.com/us/products/1401695>



DIN rail, unperforated, Pack of 10 (20 m), acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver

NS 15 PERF 2000MM VPE 10 - DIN rail perforated

1401682

<https://www.phoenixcontact.com/us/products/1401682>



DIN rail perforated, Pack of 10 (20 m), acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver

MBKKB 2,5-2DIO/O-UL/O-UR - Mini feed-through terminal block



3003871

<https://www.phoenixcontact.com/us/products/3003871>

NS 15 AL PERF 2000MM VPE 10 - DIN rail perforated

1401763

<https://www.phoenixcontact.com/us/products/1401763>



DIN rail perforated, Pack of 10 (20 m), acc. to EN 60715, material: Aluminum, uncoated, Standard profile, color: silver

NS 15 WH PERF 2000MM-VPE 10 - DIN rail perforated

1204096

<https://www.phoenixcontact.com/us/products/1204096>



DIN rail perforated, Pack of 10 (20 m), acc. to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: silver

MBKKB 2,5-2DIO/O-UL/O-UR - Mini feed-through terminal block



3003871

<https://www.phoenixcontact.com/us/products/3003871>

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

0801733

<https://www.phoenixcontact.com/us/products/0801733>



DIN rail perforated, Pack of 25 (50 m), acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver

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

0801681

<https://www.phoenixcontact.com/us/products/0801681>



DIN rail, unperforated, Pack of 25 (50 m), acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver

MBKKB 2,5-2DIO/O-UL/O-UR - Mini feed-through terminal block



3003871

<https://www.phoenixcontact.com/us/products/3003871>

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

1204119

<https://www.phoenixcontact.com/us/products/1204119>



DIN rail perforated, Pack of 25 (50 m), acc. to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: silver

NS 35/ 7,5 WH UNPERF 2000MM-VPE 10 - DIN rail, unperforated

1204122

<https://www.phoenixcontact.com/us/products/1204122>



DIN rail, unperforated, Pack of 10 (20 m), acc. to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: silver

MBKKB 2,5-2DIO/O-UL/O-UR - Mini feed-through terminal block



3003871

<https://www.phoenixcontact.com/us/products/3003871>

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

0801704

<https://www.phoenixcontact.com/us/products/0801704>



DIN rail, unperforated, Pack of 25 (50 m), acc. to EN 60715, material: Aluminum, uncoated, Standard profile, color: silver

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

1206421

<https://www.phoenixcontact.com/us/products/1206421>



DIN rail perforated, Pack of 25 (50 m), acc. to EN 60715, material: Steel, galvanized, Standard profile, color: silver

MBKKB 2,5-2DIO/O-UL/O-UR - Mini feed-through terminal block



3003871

<https://www.phoenixcontact.com/us/products/3003871>

NS 35/ 7,5 ZN UNPERF 2000MM - DIN rail, unperforated

1206434

<https://www.phoenixcontact.com/us/products/1206434>



DIN rail, unperforated, Pack of 25 (50 m), acc. to EN 60715, material: Steel, galvanized, Standard profile, color: silver

NS 35/ 7,5 CU UNPERF 2000MM-VPE 10 - DIN rail, unperforated

0801762

<https://www.phoenixcontact.com/us/products/0801762>



DIN rail, unperforated, Pack of 10 (20 m), acc. to EN 60715, material: Copper, uncoated, Standard profile, color: copper-colored

MBKKB 2,5-2DIO/O-UL/O-UR - Mini feed-through terminal block



3003871

<https://www.phoenixcontact.com/us/products/3003871>

NS 35/ 7,5 CAP - End cap

1206560

<https://www.phoenixcontact.com/us/products/1206560>

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



NS 35/15 PERF 2000MM - DIN rail perforated

1201730

<https://www.phoenixcontact.com/us/products/1201730>



DIN rail perforated, Pack of 25 (50 m), similar to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver

MBKKB 2,5-2DIO/O-UL/O-UR - Mini feed-through terminal block



3003871

<https://www.phoenixcontact.com/us/products/3003871>

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

1201714

<https://www.phoenixcontact.com/us/products/1201714>



DIN rail, unperforated, Pack of 25 (50 m), similar to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver

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

0806602

<https://www.phoenixcontact.com/us/products/0806602>



DIN rail perforated, Pack of 25 (50 m), similar to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: white

MBKKB 2,5-2DIO/O-UL/O-UR - Mini feed-through terminal block



3003871

<https://www.phoenixcontact.com/us/products/3003871>

NS 35/15 WH UNPERF 2000MM-VPE 10 - DIN rail, unperforated

1204135

<https://www.phoenixcontact.com/us/products/1204135>



DIN rail, unperforated, Pack of 10 (20 m), similar to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: silver

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

1201756

<https://www.phoenixcontact.com/us/products/1201756>



DIN rail, unperforated, similar to EN 60715, material: Aluminum, uncoated, Standard profile, color: silver

MBKKB 2,5-2DIO/O-UL/O-UR - Mini feed-through terminal block



3003871

<https://www.phoenixcontact.com/us/products/3003871>

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

1206599

<https://www.phoenixcontact.com/us/products/1206599>



DIN rail perforated, Pack of 25 (50 m), similar to EN 60715, material: Steel, galvanized, Standard profile, color: silver

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

1206586

<https://www.phoenixcontact.com/us/products/1206586>



DIN rail, unperforated, Pack of 25 (50 m), similar to EN 60715, material: Steel, galvanized, Standard profile, color: silver

MBKKB 2,5-2DIO/O-UL/O-UR - Mini feed-through terminal block



3003871

<https://www.phoenixcontact.com/us/products/3003871>

NS 35/15 CU UNPERF 2000MM-VPE 10 - DIN rail, unperforated

1201895

<https://www.phoenixcontact.com/us/products/1201895>



DIN rail, unperforated, Pack of 10 (20 m), similar to EN 60715, material: Copper, uncoated, Standard profile, color: copper-colored

NS 35/15 CAP - End cap

1206573

<https://www.phoenixcontact.com/us/products/1206573>

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



MBKKB 2,5-2DIO/O-UL/O-UR - Mini feed-through terminal block



3003871

<https://www.phoenixcontact.com/us/products/3003871>

NS 35/15-2,3 UNPERF 2000MM-VPE 10 - DIN rail, unperforated

1201798

<https://www.phoenixcontact.com/us/products/1201798>



DIN rail, unperforated, Pack of 10 (20 m), acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile 2.3 mm, color: silver

ZB 5 :UNBEDRUCKT - Zack marker strip

1050004

<https://www.phoenixcontact.com/us/products/1050004>



Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 5.2 mm, lettering field size: 5.1 x 10.5 mm, Number of individual labels: 10

MBKKB 2,5-2DIO/O-UL/O-UR - Mini feed-through terminal block



3003871

<https://www.phoenixcontact.com/us/products/3003871>

ZB 5 CUS - Zack marker strip

0824962

<https://www.phoenixcontact.com/us/products/0824962>



Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 5.2 mm, lettering field size: 5.15 x 10.5 mm, Number of individual labels: 10

ZB 5,LGS:FORTL.ZAHLEN - Zack marker strip

1050017

<https://www.phoenixcontact.com/us/products/1050017>



Zack marker strip, Strip, white, labeled, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 491 ... 500, mounting type: snapped, for terminal block width: 5.2 mm, lettering field size: 5.15 x 10.5 mm, Number of individual labels: 10

MBKKB 2,5-2DIO/O-UL/O-UR - Mini feed-through terminal block



3003871

<https://www.phoenixcontact.com/us/products/3003871>

ZB 5,QR:FORTL.ZAHLEN - Zack marker strip

1050020

<https://www.phoenixcontact.com/us/products/1050020>



Zack marker strip, white, Printed vertically: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 491 ... 500, mounting type: snapped, for terminal block width: 5.2 mm, lettering field size: 5.15 x 10.5 mm

ZB 5,LGS:GLEICHE ZAHLEN - Zack marker strip

1050033

<https://www.phoenixcontact.com/us/products/1050033>



Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, printed horizontally: Identical numbers 1 or 2, etc. up to 100, mounting type: snapped, for terminal block width: 5.2 mm, lettering field size: 5.15 x 10.5 mm, Number of individual labels: 10

MBKKB 2,5-2DIO/O-UL/O-UR - Mini feed-through terminal block



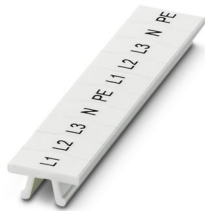
3003871

<https://www.phoenixcontact.com/us/products/3003871>

ZB 5,LGS:L1-N,PE - Zack marker strip

1050415

<https://www.phoenixcontact.com/us/products/1050415>



Zack marker strip, Strip, white, labeled, horizontal: L1, L2, L3, N, PE, L1, L2, L3, N, PE, mounting type: snapped, for terminal block width: 5.2 mm, lettering field size: 5.15 x 10.5 mm, Number of individual labels: 10

UC-TM 5 - Marker for terminal blocks

0818108

<https://www.phoenixcontact.com/us/products/0818108>



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 5.2 mm, lettering field size: 4.6 x 10.5 mm, Number of individual labels: 96

MBKKB 2,5-2DIO/O-UL/O-UR - Mini feed-through terminal block



3003871

<https://www.phoenixcontact.com/us/products/3003871>

UC-TM 5 CUS - Marker for terminal blocks

0824581

<https://www.phoenixcontact.com/us/products/0824581>



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: 5.2 mm, lettering field size: 10.5 x 4.6 mm, Number of individual labels: 96

UCT-TM 5 - Marker for terminal blocks

0828734

<https://www.phoenixcontact.com/us/products/0828734>



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snapped, for terminal block width: 5.2 mm, lettering field size: 4.6 x 10.5 mm, Number of individual labels: 72

MBKKB 2,5-2DIO/O-UL/O-UR - Mini feed-through terminal block



3003871

<https://www.phoenixcontact.com/us/products/3003871>

UCT-TM 5 CUS - Marker for terminal blocks

0829595

<https://www.phoenixcontact.com/us/products/0829595>



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: 5.2 mm, lettering field size: 4.6 x 10.5 mm, Number of individual labels: 72

GBS 5-25X12 - Group marker label for terminal marking

0810588

<https://www.phoenixcontact.com/us/products/0810588>



Group marker label, snaps onto terminal center for screw, spring-cage and quick connection terminal blocks, labeled with a 25 x 12 mm label or manually with the B-STIFT, in the foot part with ZB 5

MBKKB 2,5-2DIO/O-UL/O-UR - Mini feed-through terminal block



3003871

<https://www.phoenixcontact.com/us/products/3003871>

GBS 5-25X5 - Group marker label for terminal marking

0829126

<https://www.phoenixcontact.com/us/products/0829126>



Group marking label, can be snapped into terminal center for screw, spring-cage, push-in, and fast connection terminal blocks, can be labeled with a 24 x 4 mm label or manually using B-STIFT, in the foot part with ZB 5

STP 5-2-ZB - Marker carriers

3037643

<https://www.phoenixcontact.com/us/products/3037643>



Marker carriers, snaps into ST 2,5 spring-cage terminal blocks, can be marked with UC-TM 5, UC-TMF 5, UCT-TM 5, UCT-TMF 5, ZB 5, or ZBF 5, gray, unlabeled, mounting type: snapped

MBKKB 2,5-2DIO/O-UL/O-UR - Mini feed-through terminal block



3003871

<https://www.phoenixcontact.com/us/products/3003871>

CLIPFIX 35 - End bracket

3022218

<https://www.phoenixcontact.com/us/products/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

CLIPFIX 35-5 - End bracket

3022276

<https://www.phoenixcontact.com/us/products/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

MBKKB 2,5-2DIO/O-UL/O-UR - Mini feed-through terminal block



3003871

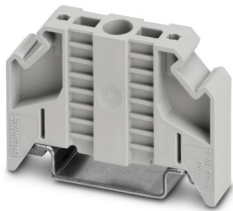
<https://www.phoenixcontact.com/us/products/3003871>

E/NS 35 N - End bracket

0800886

<https://www.phoenixcontact.com/us/products/0800886>

End clamp, width: 9.5 mm, color: gray

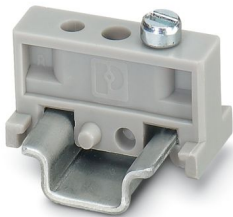


E/MBK - End bracket

1401637

<https://www.phoenixcontact.com/us/products/1401637>

End clamp, width: 6.2 mm, color: gray



MBKKB 2,5-2DIO/O-UL/O-UR - Mini feed-through terminal block



3003871

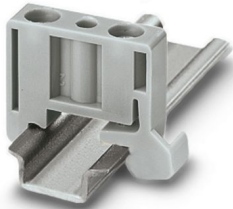
<https://www.phoenixcontact.com/us/products/3003871>

E/MK 1 - End bracket

1421659

<https://www.phoenixcontact.com/us/products/1421659>

End clamp width: 6 mm, color: gray



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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com