

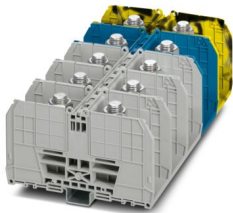
RBO 16-3L/N/FE - Bolt connection terminal block



3076316

<https://www.phoenixcontact.com/us/products/3076316>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Bolt connection terminal block, nom. voltage: 1000 V, nominal current: 520 A, number of connections: 10, number of positions: 5, connection method: Bolt connection, 1 level, Rated cross section: 300 mm², mounting type: NS 35/7,5, NS 35/15, direct screw connection, color: gray/blue/black-yellow

Commercial data

Item number	3076316
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	BE4412
Catalog page	Page 543 (C-1-2017)
GTIN	4046356653558
Weight per piece (including packing)	2,832.9 g
Weight per piece (excluding packing)	2,832.9 g
Country of origin	CN

RBO 16-3L/N/FE - Bolt connection terminal block



3076316

<https://www.phoenixcontact.com/us/products/3076316>

Technical data

Product properties

Product type	Bolt connection terminal block
Number of positions	5
Pitch	54.8 mm
Number of connections	10
Number of rows	1
Potentials	5

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	8 kV
---------------------	------

Connection data

Number of connections per level	10
Nominal cross section	300 mm ²

1 level

Stripping length	The stripping length depends on the specification provided by the cable lug manufacturer.
Connection in acc. with standard	IEC 60947-7-1
Nominal current	520 A
Maximum load current	520 A (At a conductor cross section of 300 mm ²)
Nominal voltage	1000 V
Nominal cross section	300 mm ²

Cable lug connection DIN 46234:1980-03

Connection in acc. with standard	DIN 46234:1980-03
Cross section	25 mm ² ... 300 mm ²
Cross section range AWG	4 ... 600 kcmil (converted acc. to IEC)
Hole diameter	17 mm
Width	38 mm
Bolt diameter	16 mm
Screw thread	M16
Tightening torque	25 ... 35 Nm
Connection in acc. with standard	DIN 46235:1983-07
Cross section	25 mm ² ... 300 mm ²
Cross section range AWG	4 ... 600 kcmil (converted acc. to IEC)
Hole diameter	17 mm
Width	48 mm
Bolt diameter	16 mm

RBO 16-3L/N/FE - Bolt connection terminal block

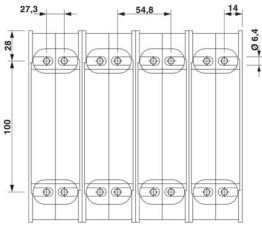


3076316

<https://www.phoenixcontact.com/us/products/3076316>

Screw thread	M16
Tightening torque	25 ... 35 Nm

Dimensions

Dimensional drawing	
Width	274 mm
Pitch	54.8 mm

Material specifications

Color	gray/blue/black-yellow
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA

Mechanical properties

Mechanical data	
Open side panel	No

Standards and regulations

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

Mounting

Mounting type	NS 35/7,5
	NS 35/15
	direct screw connection

RBO 16-3L/N/FE - Bolt connection terminal block

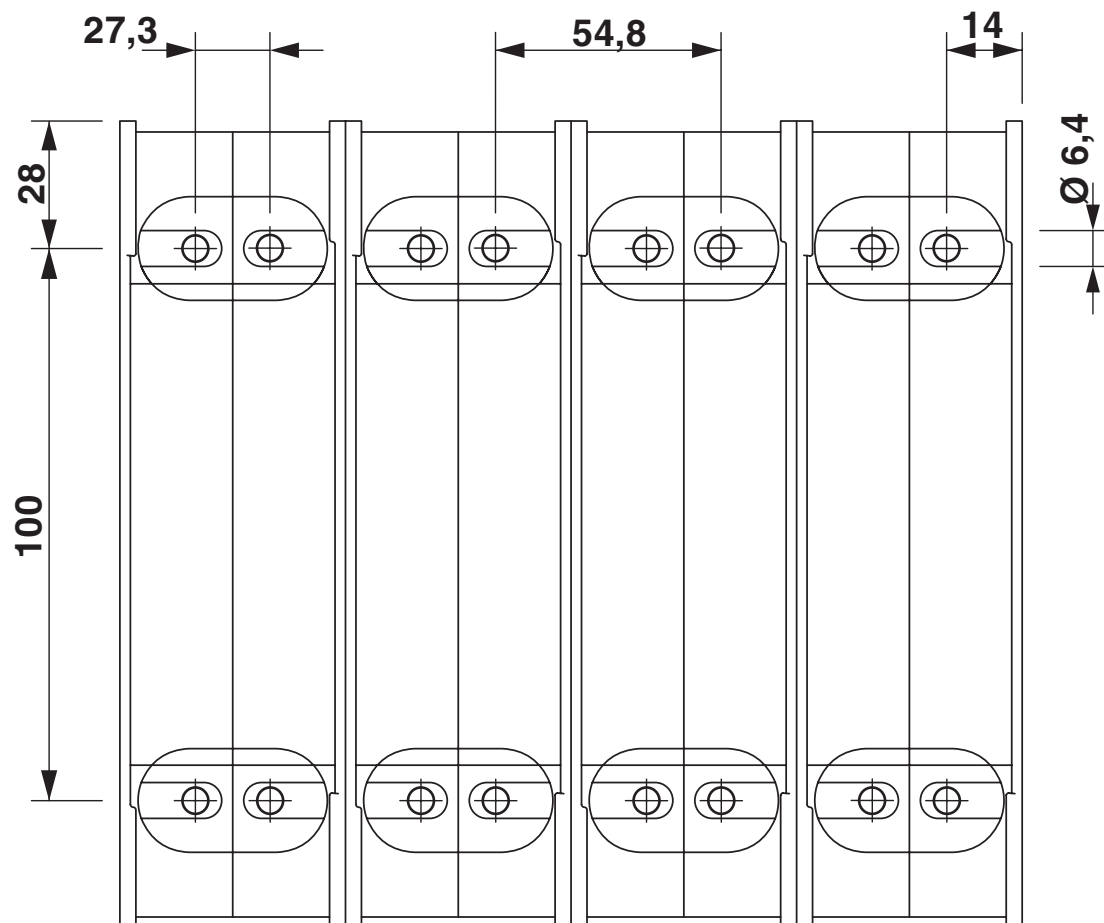


3076316

<https://www.phoenixcontact.com/us/products/3076316>

Drawings

Dimensional drawing



RBO 16-3L/N/FE - Bolt connection terminal block



3076316

<https://www.phoenixcontact.com/us/products/3076316>

Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

RBO 16-3L/N/FE - Bolt connection terminal block



3076316

<https://www.phoenixcontact.com/us/products/3076316>

Accessories

i Note: Applying some accessories below might limit this product.

RBO 16-VS 3 - Connection rail

3244698

<https://www.phoenixcontact.com/us/products/3244698>



Connection rail, number of positions: 3, color: silver

i Max. current carrying capacity: 520 A

HC-RBO 16 - Covering hood

3247996

<https://www.phoenixcontact.com/us/products/3247996>



Covering hood, depth: 33 mm, width: 54.8 mm, height: 164 mm, color: gray

i Max. current carrying capacity: 520 A

RBO 16-3L/N/FE - Bolt connection terminal block

3076316

<https://www.phoenixcontact.com/us/products/3076316>



RBO 16-VS 2 - Connection rail

3244685

<https://www.phoenixcontact.com/us/products/3244685>

Connection rail, number of positions: 2, color: silver



 Max. current carrying capacity: 520 A

EML (51X25)R YE /RBO8 - Label

0801353

<https://www.phoenixcontact.com/us/products/0801353>



Label, yellow/black, labeled, can be labeled with: THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMaster 300/600, THERMOMARK X1.2: pre-printed, mounting type: adhesive, lettering field size: 51 x 25 mm

RBO 16-3L/N/FE - Bolt connection terminal block



3076316

<https://www.phoenixcontact.com/us/products/3076316>

HC-RBO 16 - Covering hood

3247996

<https://www.phoenixcontact.com/us/products/3247996>

Covering hood, depth: 33 mm, width: 54.8 mm, height: 164 mm, color: gray



HC-RBO 16 BU - Covering hood

3247998

<https://www.phoenixcontact.com/us/products/3247998>

Covering hood, depth: 33 mm, width: 54.8 mm, height: 164 mm, color: blue



RBO 16-3L/N/FE - Bolt connection terminal block

3076316

<https://www.phoenixcontact.com/us/products/3076316>



HC-RBO 16-FE - Covering hood

3247997

<https://www.phoenixcontact.com/us/products/3247997>



Covering hood, depth: 33 mm, width: 54.8 mm, height: 164 mm, color: black/yellow

KLM 3-L - Terminal strip marker carrier

0814788

<https://www.phoenixcontact.com/us/products/0814788>



Terminal strip marker carrier, adjustable height, for CLIPFIX 15, CLIPFIX 35, and CLIPFIX 35-5 end brackets, can be marked using labels in 20 x 8 mm format

RBO 16-3L/N/FE - Bolt connection terminal block

3076316

<https://www.phoenixcontact.com/us/products/3076316>

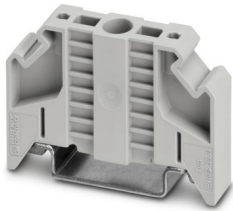


E/NS 35 N - End bracket

0800886

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

End clamp, width: 9.5 mm, color: gray



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

RBO 16-3L/N/FE - Bolt connection terminal block

3076316

<https://www.phoenixcontact.com/us/products/3076316>



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

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

RBO 16-3L/N/FE - Bolt connection terminal block

3076316

<https://www.phoenixcontact.com/us/products/3076316>



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

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

RBO 16-3L/N/FE - Bolt connection terminal block

3076316

<https://www.phoenixcontact.com/us/products/3076316>



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

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

RBO 16-3L/N/FE - Bolt connection terminal block

3076316

<https://www.phoenixcontact.com/us/products/3076316>



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

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



RBO 16-3L/N/FE - Bolt connection terminal block

3076316

<https://www.phoenixcontact.com/us/products/3076316>



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

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

RBO 16-3L/N/FE - Bolt connection terminal block

3076316

<https://www.phoenixcontact.com/us/products/3076316>



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

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

RBO 16-3L/N/FE - Bolt connection terminal block

3076316

<https://www.phoenixcontact.com/us/products/3076316>



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

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

RBO 16-3L/N/FE - Bolt connection terminal block

3076316

<https://www.phoenixcontact.com/us/products/3076316>



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

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

RBO 16-3L/N/FE - Bolt connection terminal block

3076316

<https://www.phoenixcontact.com/us/products/3076316>



NS 35/15 CAP - End cap

1206573

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

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



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

RBO 16-3L/N/FE - Bolt connection terminal block



3076316

<https://www.phoenixcontact.com/us/products/3076316>

ZB 10:UNBEDRUCKT - Zack marker strip

1053001

<https://www.phoenixcontact.com/us/products/1053001>



Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 10.2 mm, lettering field size: 10.5 x 10.15 mm, Number of individual labels: 10

ZB 10 CUS - Zack marker strip

0824941

<https://www.phoenixcontact.com/us/products/0824941>



Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 10.2 mm, lettering field size: 10,15 x 10,5 mm, Number of individual labels: 10

RBO 16-3L/N/FE - Bolt connection terminal block



3076316

<https://www.phoenixcontact.com/us/products/3076316>

ZB10,LGS:FORTL.ZAHLEN - Zack marker strip

1053014

<https://www.phoenixcontact.com/us/products/1053014>



Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snapped, for terminal block width: 10.2 mm, lettering field size: 10,15 x 10,5 mm, Number of individual labels: 10

ZB10,QR:FORTL.ZAHLEN - Zack marker strip

1053027

<https://www.phoenixcontact.com/us/products/1053027>



Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, Printed vertically: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snapped, for terminal block width: 10.2 mm, lettering field size: 10,15 x 10,5 mm, Number of individual labels: 10

RBO 16-3L/N/FE - Bolt connection terminal block



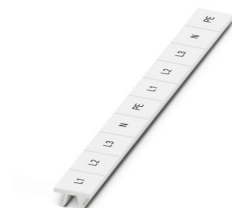
3076316

<https://www.phoenixcontact.com/us/products/3076316>

ZB10,LGS:L1-N,PE - Marker for terminal blocks

1053412

<https://www.phoenixcontact.com/us/products/1053412>



Marker for terminal blocks, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, horizontal: L1, L2, L3, N, PE, L1, L2, L3, N, PE, mounting type: snapped, for terminal block width: 10.2 mm, lettering field size: 10,15 x 10,5 mm, Number of individual labels: 10

ZB10,LGS:U-N - Marker for terminal blocks

1053438

<https://www.phoenixcontact.com/us/products/1053438>



Marker for terminal blocks, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, horizontal: U, V, W, N, GND, U, V, W, N, GND, mounting type: snapped, for terminal block width: 10.2 mm, lettering field size: 10,15 x 10,5 mm, Number of individual labels: 10

RBO 16-3L/N/FE - Bolt connection terminal block



3076316

<https://www.phoenixcontact.com/us/products/3076316>

UC-TM 10 - Marker for terminal blocks

0818069

<https://www.phoenixcontact.com/us/products/0818069>



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: 10.2 mm, lettering field size: 9.6 x 10.5 mm, Number of individual labels: 48

UC-TM 10 CUS - Marker for terminal blocks

0824605

<https://www.phoenixcontact.com/us/products/0824605>



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: 10.2 mm, lettering field size: 9.6 x 10.5 mm, Number of individual labels: 48

RBO 16-3L/N/FE - Bolt connection terminal block



3076316

<https://www.phoenixcontact.com/us/products/3076316>

UCT-TM 10 - Marker for terminal blocks

0829142

<https://www.phoenixcontact.com/us/products/0829142>



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: 10.2 mm, lettering field size: 8.9 x 9.6 mm, Number of individual labels: 36

UCT-TM 10 CUS - Marker for terminal blocks

0829623

<https://www.phoenixcontact.com/us/products/0829623>



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: 10.2 mm, lettering field size: 8.9 x 9.6 mm, Number of individual labels: 36

RBO 16-3L/N/FE - Bolt connection terminal block



3076316

<https://www.phoenixcontact.com/us/products/3076316>

ZBF10:UNBEDRUCKT - Zack Marker strip, flat

0809997

<https://www.phoenixcontact.com/us/products/0809997>



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: snapped, for terminal block width: 10 mm, lettering field size: 5.15 x 10 mm, Number of individual labels: 10

ZBF10 CUS - Zack Marker strip, flat

0825031

<https://www.phoenixcontact.com/us/products/0825031>



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

RBO 16-3L/N/FE - Bolt connection terminal block



3076316

<https://www.phoenixcontact.com/us/products/3076316>

ZBF10,LGS:FORTL.ZAHLEN - Zack Marker strip, flat

0810009

<https://www.phoenixcontact.com/us/products/0810009>



Zack Marker strip, flat, Strip, white, labeled, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snapped, for terminal block width: 10 mm, lettering field size: 5.15 x 10 mm, Number of individual labels: 10

ZBF10,QR:FORTL.ZAHLEN - Zack Marker strip, flat

0810025

<https://www.phoenixcontact.com/us/products/0810025>



Zack Marker strip, flat, Strip, white, labeled, Printed vertically: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snapped, for terminal block width: 10 mm, lettering field size: 5.15 x 10 mm, Number of individual labels: 10

RBO 16-3L/N/FE - Bolt connection terminal block



3076316

<https://www.phoenixcontact.com/us/products/3076316>

UC-TMF 10 - Marker for terminal blocks

0818124

<https://www.phoenixcontact.com/us/products/0818124>



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: 10.2 mm, lettering field size: 9.6 x 5.1 mm, Number of individual labels: 48

UC-TMF 10 CUS - Marker for terminal blocks

0824662

<https://www.phoenixcontact.com/us/products/0824662>



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 10.2 mm, lettering field size: 9.6 x 5.1 mm, Number of individual labels: 48

RBO 16-3L/N/FE - Bolt connection terminal block



3076316

<https://www.phoenixcontact.com/us/products/3076316>

UCT-TMF 10 - Marker for terminal blocks

0829204

<https://www.phoenixcontact.com/us/products/0829204>



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: 10.2 mm, lettering field size: 9.4 x 4.7 mm, Number of individual labels: 36

UCT-TMF 10 CUS - Marker for terminal blocks

0829679

<https://www.phoenixcontact.com/us/products/0829679>



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 10.2 mm, lettering field size: 9.4 x 4.7 mm, Number of individual labels: 36

RBO 16-3L/N/FE - Bolt connection terminal block



3076316

<https://www.phoenixcontact.com/us/products/3076316>

PROJECT COMPLETE - Software

1050453

<https://www.phoenixcontact.com/us/products/1050453>



Intuitive planning and marking software for configuring terminal strips and for professional marking of marking materials for terminal blocks, conductors, cables, devices, and systems. The software is available for download

Phoenix Contact 2024 © - all rights reserved

<https://www.phoenixcontact.com>

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