

RBO 16-HC - Bolt connection terminal block



3247989

<https://www.phoenixcontact.com/us/products/3247989>

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Bolt connection terminal block, nom. voltage: 1000 V, nominal current: 520 A, number of connections: 2, number of positions: 1, connection method: Bolt connection, Rated cross section: 300 mm², mounting type: NS 35/7,5, NS 35/15, direct screw connection, color: gray

Your advantages

- Tested for railway applications

Commercial data

Item number	3247989
Packing unit	5 pc
Minimum order quantity	5 pc
Sales key	BE44
Product key	BE4412
Catalog page	Page 393 (C-1-2019)
GTIN	4046356725163
Weight per piece (including packing)	658 g
Weight per piece (excluding packing)	637.06 g
Customs tariff number	85369010
Country of origin	CN

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Technical data

Notes

General

Note	The rated insulation voltage applies to cable lugs for compression connection acc. to DIN 46235:1983-07 and for uninsulated cable lugs acc. to DIN 46234:1980-03 with path extension.
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Product properties

Product type	Bolt connection terminal block
Product family	RBO
Area of application	Railway industry
	Machine building
	Plant engineering
Number of positions	1
Pitch	54.8 mm
Number of connections	2
Number of rows	1
Potentials	1

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	16.22 W

Connection data

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

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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 mm² ... 300 mm²
Cross section range AWG	4 ... 600 kcmil (converted acc. to IEC)
Hole diameter	17 mm
Width	48 mm
Bolt diameter	16 mm
Screw thread	M16
Tightening torque	25 ... 35 Nm

Ex data

Rated data (ATEX/IECEx)

Identification	Ex II 2 GD Ex eb IIC Gb
Operating temperature range	-60 °C ... 110 °C
Ex-certified accessories	0800886 E/NS 35 N
List of bridges	/ RBO 16-VS 2 / 3244685 / RBO 16-VS 3 / 3244698
Bridge data	520 A / 300 mm²
Ex temperature increase	40 K (520 A / 300 mm²)
Rated voltage	1100 V
for bridging with bridge	1100 V
Rated insulation voltage	1000 V
output	(Permanent)

Ex level General

Rated current	520 A
Maximum load current	520 A
Contact resistance	0.02 mΩ

Ex connection data General

Torque range	25 Nm ... 35 Nm
Nominal cross section	300 mm²
Rated cross section AWG	600 kcmil
Connection capacity rigid	25 mm² ... 300 mm²
Connection capacity AWG	4 ... 600 kcmil
Connection capacity flexible	25 mm² ... 300 mm²
Connection capacity AWG	4 ... 600 kcmil
2 conductors with same cross section, solid	25 mm² ... 300 mm²
2 conductors with the same cross-section AWG rigid	4 ... 600 kcmil
2 conductors with same cross section, stranded	25 mm² ... 300 mm²
2 conductors with the same cross-section AWG flexible	4 ... 600 kcmil

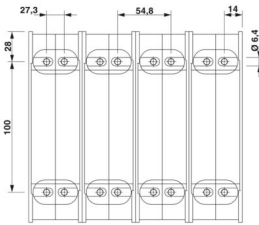
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Dimensions

Dimensional drawing	
Width	54.8 mm
Height	283.5 mm
Depth on NS 35/7,5	91.8 mm
Depth on NS 35/15	99.3 mm
Bolt length	45 mm
Pitch	54.8 mm

Material specifications

Color	gray
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °C
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Smoke gas toxicity NFPA 130 (SMP 800C)	passed

Electrical tests

Surge voltage test

Test voltage setpoint	9.8 kV
Result	Test passed

Temperature-rise test

Requirement temperature-rise test	Increase in temperature ≤ 45 K
Result	Test passed
Short-time withstand current 300 mm ²	36 kA
Result	Test passed

Power-frequency withstand voltage

Test voltage setpoint	2.2 kV
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Result	Test passed
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Mechanical properties

Mechanical data

Open side panel	No
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Mechanical tests

Mechanical strength

Result	Test passed
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Attachment on the carrier

DIN rail/fixing support	NS 35
Test force setpoint	20 N
Result	Test passed

Environmental and real-life conditions

Needle-flame test

Time of exposure	30 s
Result	Test passed

Oscillation/broadband noise

Specification	DIN EN 50155 (VDE 0115-200):2008-03
Spectrum	Service life test category 1, class B, body mounted
Frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$
ASD level	$1.857 \text{ (m/s}^2\text{)}^2\text{/Hz}$
Acceleration	0.8g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Result	Test passed

Shocks

Specification	DIN EN 50155 (VDE 0115-200):2008-03
Pulse shape	Half-sine
Acceleration	5g
Shock duration	30 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Result	Test passed

Ambient conditions

Ambient temperature (operation)	-60 °C ... 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see RTI Elec.)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, no longer than 24 h, -60°C to +70°C)
Ambient temperature (assembly)	-5 °C ... 70 °C

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Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (operation)	20 % ... 90 %
Permissible humidity (storage/transport)	30 % ... 70 %

Standards and regulations

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

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

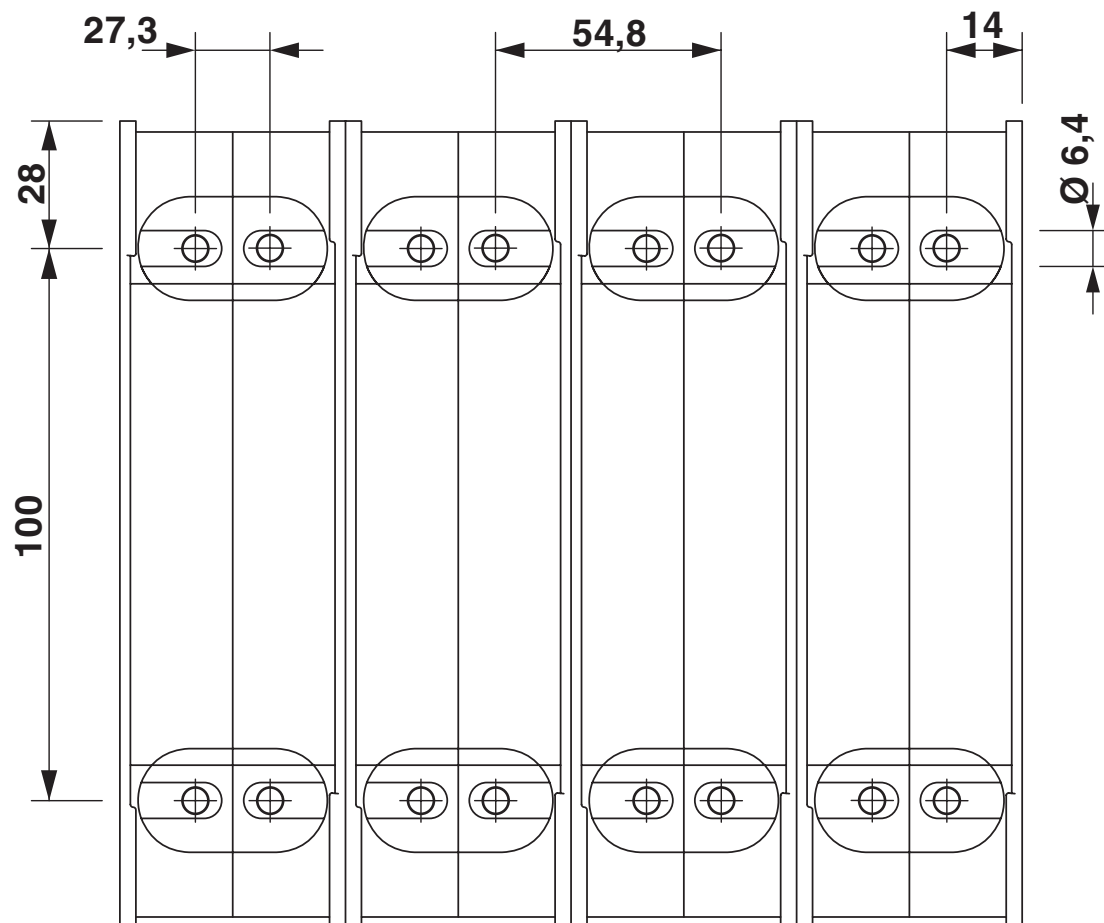
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Drawings

Dimensional drawing



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Circuit diagram



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3247989>

 CSA Approval ID: 13631				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group C	1000 V	540 A	4 - 1000	-

 UL Recognized Approval ID: E60425				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B	600 V	540 A	4 - 1000	-
Use group C	600 V	540 A	4 - 1000	-
Use group E	1000 V	540 A	4 - 1000	-

 EAC Approval ID: RU C-DE.BL08.B.00540				
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 DNV Approval ID: TAE00004G1				
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 EAC Ex Approval ID: RU C-DE.HA91.B.00066				
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 IECEX Approval ID: IECEXSEV13.0003U				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	1100 V	520 A	-	25 - 300

 ATEX Approval ID: SEV13ATEX0132U				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	1100 V	520 A	-	25 - 300

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CCC

Approval ID: 2020322313000627



UKCA-EX

Approval ID: CML 22UKEX1230U

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Classifications

ECLASS

ECLASS-11.0	27141120
ECLASS-13.0	27250101

ETIM

ETIM 9.0	EC000897
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UNSPSC

UNSPSC 21.0	39121400
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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%

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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

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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

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KLM 3-L - Terminal strip marker carrier

0814788

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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

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

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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

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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

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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

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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



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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

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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

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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

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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

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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

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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-HC - Bolt connection terminal block



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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

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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

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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

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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

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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-HC - Bolt connection terminal block



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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

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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

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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-HC - Bolt connection terminal block

3247989

<https://www.phoenixcontact.com/us/products/3247989>



PS-MT - Test plug

0311647

<https://www.phoenixcontact.com/us/products/0311647>

Test plug, number of positions: 1, color: silver



PS-IH WH - Insulating sleeve

0311566

<https://www.phoenixcontact.com/us/products/0311566>

Insulating sleeve, number of positions: 1, color: white



RBO 16-HC - Bolt connection terminal block



3247989

<https://www.phoenixcontact.com/us/products/3247989>

PS-IH RD - Insulating sleeve

0311579

<https://www.phoenixcontact.com/us/products/0311579>

Insulating sleeve, number of positions: 1, color: red



PS-IH BU - Insulating sleeve

0311582

<https://www.phoenixcontact.com/us/products/0311582>

Insulating sleeve, number of positions: 1, color: blue



RBO 16-HC - Bolt connection terminal block

3247989

<https://www.phoenixcontact.com/us/products/3247989>



PS-IH YE - Insulating sleeve

0311595

<https://www.phoenixcontact.com/us/products/0311595>

Insulating sleeve, number of positions: 1, color: yellow



PS-IH GN - Insulating sleeve

0311605

<https://www.phoenixcontact.com/us/products/0311605>

Insulating sleeve, number of positions: 1, color: green



RBO 16-HC - Bolt connection terminal block

3247989

<https://www.phoenixcontact.com/us/products/3247989>



PS-IH GY - Insulating sleeve

0311621

<https://www.phoenixcontact.com/us/products/0311621>



Insulating sleeve, number of positions: 1, color: gray

PS-IH BK - Insulating sleeve

0311634

<https://www.phoenixcontact.com/us/products/0311634>



Insulating sleeve, number of positions: 1, color: black

RBO 16-HC - Bolt connection terminal block

3247989

<https://www.phoenixcontact.com/us/products/3247989>



PS-IH VT - Insulating sleeve

0311618

<https://www.phoenixcontact.com/us/products/0311618>

Insulating sleeve, number of positions: 1, color: violet



PML-W101 (25X25) - Warning label

0830433

<https://www.phoenixcontact.com/us/products/0830433>

Warning label, Sheet, yellow/black, labeled: Lightning flash, mounting type: adhesive, diameter: 0 mm, lettering field size: 25 x 25 mm, Number of individual labels: 25



RBO 16-HC - Bolt connection terminal block



3247989

<https://www.phoenixcontact.com/us/products/3247989>

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

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