

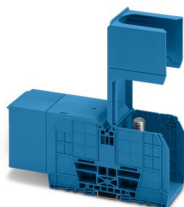
# RBO 16-HC BU - Bolt connection terminal block



3247990

<https://www.phoenixcontact.com/in/products/3247990>

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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 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, direct screw connection, color: blue

## Your advantages

- Tested for railway applications

## Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 3247990             |
| Packing unit                         | 5 pc                |
| Minimum order quantity               | 5 pc                |
| Sales key                            | BE4                 |
| Product key                          | BE4412              |
| Catalog page                         | Page 393 (C-1-2019) |
| GTIN                                 | 4046356725170       |
| Weight per piece (including packing) | 666.26 g            |
| Weight per piece (excluding packing) | 666.26 g            |
| Customs tariff number                | 85369010            |
| Country of origin                    | CN                  |

# RBO 16-HC BU - Bolt connection terminal block



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## Technical data

### Product properties

|                       |                                |
|-----------------------|--------------------------------|
| Product type          | Bolt connection terminal block |
| Number of positions   | 1                              |
| Pitch                 | 54.8 mm                        |
| Area of application   | Railway industry               |
|                       | Machine building               |
|                       | Plant engineering              |
| 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 <sup>2</sup>                                                                       |
| 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 <sup>2</sup> )                              |
| Nominal voltage                  | 1000 V DC                                                                                 |
| Nominal cross section            | 300 mm <sup>2</sup>                                                                       |

### Cable lug connection DIN 46234:1980-03

|                                  |                                            |
|----------------------------------|--------------------------------------------|
| Connection in acc. with standard | DIN 46234:1980-03                          |
| Cross section                    | 25 mm <sup>2</sup> ... 300 mm <sup>2</sup> |
| 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 <sup>2</sup> ... 300 mm <sup>2</sup> |
| Cross section range AWG          | 4 ... 600 kcmil (converted acc. to IEC)    |
| Hole diameter                    | 17 mm                                      |

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|                   |              |
|-------------------|--------------|
| Width             | 48 mm        |
| Bolt diameter     | 16 mm        |
| Screw thread      | M16          |
| Tightening torque | 25 ... 35 Nm |

## Ex data

### Rated data (ATEX/IECEx)

|                             |                                                    |
|-----------------------------|----------------------------------------------------|
| Identification              | Ⓔ 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<br>/ RBO 16-VS 3 / 3244698 |
| Bridge data                 | 520 A / 300 mm <sup>2</sup>                        |
| Ex temperature increase     | 40 K (520 A / 300 mm <sup>2</sup> )                |
| 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 mm <sup>2</sup>                        |
| Rated cross section AWG                               | 600 kcmil                                  |
| Connection capacity rigid                             | 25 mm <sup>2</sup> ... 300 mm <sup>2</sup> |
| Connection capacity AWG                               | 4 ... 600 kcmil                            |
| Connection capacity flexible                          | 25 mm <sup>2</sup> ... 300 mm <sup>2</sup> |
| Connection capacity AWG                               | 4 ... 600 kcmil                            |
| 2 conductors with same cross section, solid           | 25 mm <sup>2</sup> ... 300 mm <sup>2</sup> |
| 2 conductors with the same cross-section AWG rigid    | 4 ... 600 kcmil                            |
| 2 conductors with same cross section, stranded        | 25 mm <sup>2</sup> ... 300 mm <sup>2</sup> |
| 2 conductors with the same cross-section AWG flexible | 4 ... 600 kcmil                            |

## Dimensions

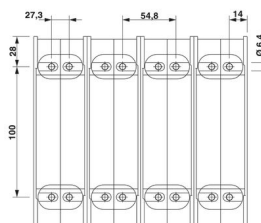
# RBO 16-HC BU - Bolt connection terminal block



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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                                                            | blue        |
| 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 $\leq 45$ K |
| Result                                           | Test passed                         |
| Short-time withstand current 300 mm <sup>2</sup> | 36 kA                               |
| Result                                           | Test passed                         |

### Power-frequency withstand voltage

|                       |             |
|-----------------------|-------------|
| Test voltage setpoint | 2.2 kV      |
| Result                | Test passed |

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## Mechanical properties

### Mechanical data

|                 |    |
|-----------------|----|
| Open side panel | No |
|-----------------|----|

## Mechanical tests

### Mechanical strength

|        |             |
|--------|-------------|
| Result | Test passed |
|--------|-------------|

### 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, not exceeding 24 h, -60 °C to +70 °C)                                                   |
| Ambient temperature (assembly)          | -5 °C ... 70 °C                                                                                                             |
| Ambient temperature (actuation)         | -5 °C ... 70 °C                                                                                                             |

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|                                          |               |
|------------------------------------------|---------------|
| Permissible humidity (operation)         | 20 % ... 90 % |
| Permissible humidity (storage/transport) | 30 % ... 70 % |

## 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-HC BU - Bolt connection terminal block



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## Drawings

### Circuit diagram



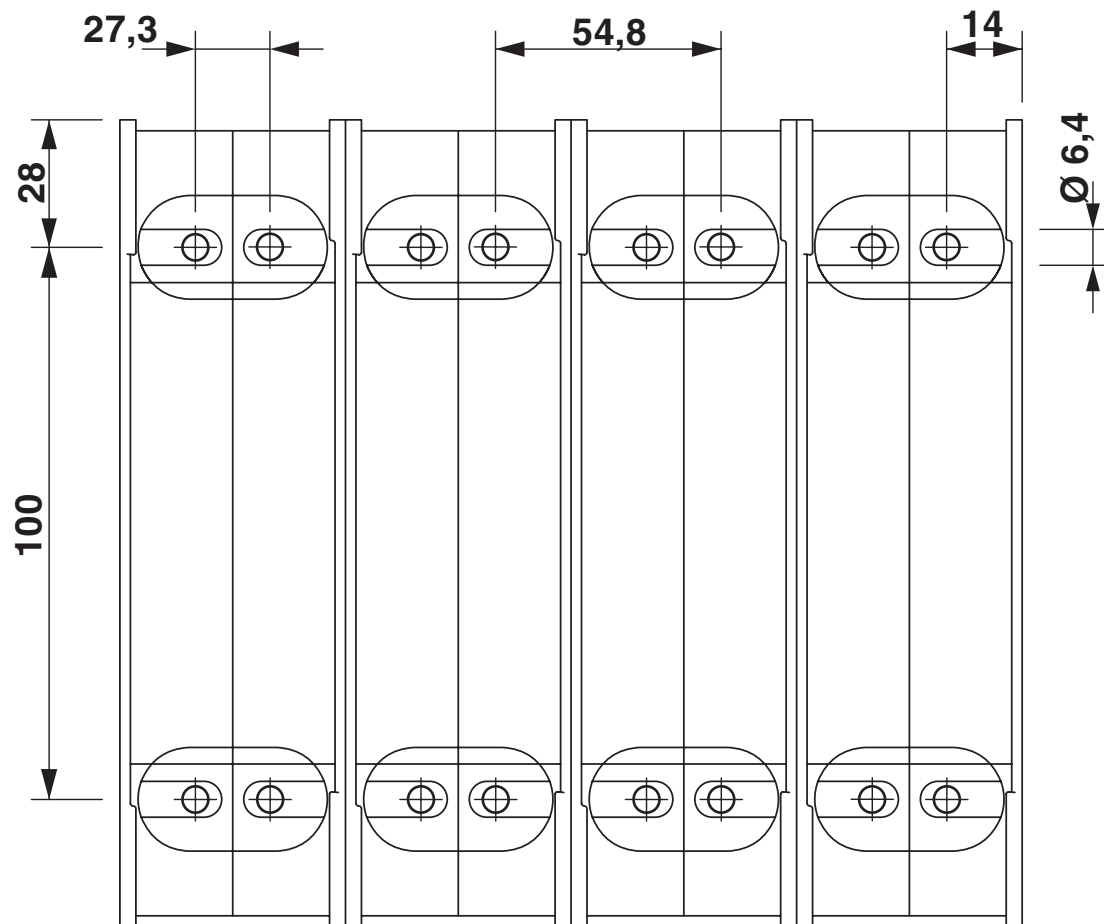
# RBO 16-HC BU - Bolt connection terminal block

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Dimensional drawing



# RBO 16-HC BU - Bolt connection terminal block



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/in/products/3247990>

|  <b>CSA</b><br>Approval ID: 13631 |                       |                       |                   |                             |
|--------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|                                                                                                                    | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| Use group C                                                                                                        | 1000 V                | 540 A                 | 4 - 1000          | -                           |

|  <b>UL Recognized</b><br>Approval ID: E60425 |                       |                       |                   |                             |
|-------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|                                                                                                                               | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| 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          | -                           |

|  <b>EAC</b><br>Approval ID: RU C-DE.BL08.B.00540 |  |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
|-------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|

|  <b>DNV</b><br>Approval ID: TAE00004G1 |  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
|---------------------------------------------------------------------------------------------------------------------------|--|--|--|--|

|  <b>EAC Ex</b><br>Approval ID: RU C-DE.HA91.B.00066 |  |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
|----------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|

|  <b>IECEx</b><br>Approval ID: IECExSEV13.0003U |                       |                       |                   |                             |
|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|                                                                                                                                   | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|                                                                                                                                   | 1100 V                | 520 A                 | -                 | 25 - 300                    |

|  <b>ATEX</b><br>Approval ID: SEV13ATEX0132U |                       |                       |                   |                             |
|--------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|                                                                                                                                | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|                                                                                                                                | 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 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

# RBO 16-HC BU - Bolt connection terminal block



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## Environmental product compliance

|            |                                                         |
|------------|---------------------------------------------------------|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

# RBO 16-HC BU - Bolt connection terminal block



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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/in/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/in/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-HC BU - Bolt connection terminal block

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<https://www.phoenixcontact.com/in/products/3247990>



## RBO 16-VS 2 - Connection rail

3244685

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

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



 Max. current carrying capacity: 520 A

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## EML (51X25)R YE /RBO8 - Label

0801353

<https://www.phoenixcontact.com/in/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-HC BU - Bolt connection terminal block

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<https://www.phoenixcontact.com/in/products/3247990>



## KLM 3-L - Terminal strip marker carrier

0814788

<https://www.phoenixcontact.com/in/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

---

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

0801733

<https://www.phoenixcontact.com/in/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-HC BU - Bolt connection terminal block



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<https://www.phoenixcontact.com/in/products/3247990>

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

0801681

<https://www.phoenixcontact.com/in/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

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

1204119

<https://www.phoenixcontact.com/in/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-HC BU - Bolt connection terminal block

3247990

<https://www.phoenixcontact.com/in/products/3247990>



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

1204122

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



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

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

0801704

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



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

## RBO 16-HC BU - Bolt connection terminal block

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<https://www.phoenixcontact.com/in/products/3247990>



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

1206421

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



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

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

1206434

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



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

# RBO 16-HC BU - Bolt connection terminal block

3247990

<https://www.phoenixcontact.com/in/products/3247990>



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

0801762

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

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



# RBO 16-HC BU - Bolt connection terminal block



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

1201730

<https://www.phoenixcontact.com/in/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

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

1201714

<https://www.phoenixcontact.com/in/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-HC BU - Bolt connection terminal block

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<https://www.phoenixcontact.com/in/products/3247990>



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

0806602

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



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

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

1204135

<https://www.phoenixcontact.com/in/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-HC BU - Bolt connection terminal block



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<https://www.phoenixcontact.com/in/products/3247990>

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

1201756

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



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

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

1206599

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



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

# RBO 16-HC BU - Bolt connection terminal block

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<https://www.phoenixcontact.com/in/products/3247990>



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

1206586

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



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

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

1201895

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



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

## RBO 16-HC BU - Bolt connection terminal block

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<https://www.phoenixcontact.com/in/products/3247990>



## NS 35/15 CAP - End cap

1206573

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

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



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

1201798

<https://www.phoenixcontact.com/in/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-HC BU - Bolt connection terminal block



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## ZB 10:UNBEDRUCKT - Zack marker strip

1053001

<https://www.phoenixcontact.com/in/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

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## ZB 10 CUS - Zack marker strip

0824941

<https://www.phoenixcontact.com/in/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 BU - Bolt connection terminal block



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<https://www.phoenixcontact.com/in/products/3247990>

## ZB10,LGS:FORTL.ZAHLEN - Zack marker strip

1053014

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



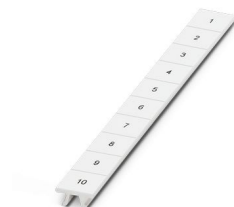
Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snapped, for terminal block width: 10.2 mm, lettering field size: 10,15 x 10,5 mm, Number of individual labels: 10

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## ZB10,QR:FORTL.ZAHLEN - Zack marker strip

1053027

<https://www.phoenixcontact.com/in/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-HC BU - Bolt connection terminal block



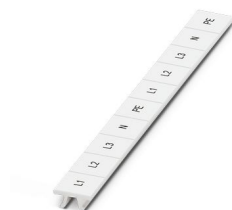
3247990

<https://www.phoenixcontact.com/in/products/3247990>

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

1053412

<https://www.phoenixcontact.com/in/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

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

1053438

<https://www.phoenixcontact.com/in/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-HC BU - Bolt connection terminal block



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<https://www.phoenixcontact.com/in/products/3247990>

## UC-TM 10 - Marker for terminal blocks

0818069

<https://www.phoenixcontact.com/in/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

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## UC-TM 10 CUS - Marker for terminal blocks

0824605

<https://www.phoenixcontact.com/in/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-HC BU - Bolt connection terminal block



3247990

<https://www.phoenixcontact.com/in/products/3247990>

## UCT-TM 10 - Marker for terminal blocks

0829142

<https://www.phoenixcontact.com/in/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

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## UCT-TM 10 CUS - Marker for terminal blocks

0829623

<https://www.phoenixcontact.com/in/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-HC BU - Bolt connection terminal block



3247990

<https://www.phoenixcontact.com/in/products/3247990>

## ZBF10:UNBEDRUCKT - Zack Marker strip, flat

0809997

<https://www.phoenixcontact.com/in/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

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## ZBF10 CUS - Zack Marker strip, flat

0825031

<https://www.phoenixcontact.com/in/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 BU - Bolt connection terminal block



3247990

<https://www.phoenixcontact.com/in/products/3247990>

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

0810009

<https://www.phoenixcontact.com/in/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

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

0810025

<https://www.phoenixcontact.com/in/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-HC BU - Bolt connection terminal block



3247990

<https://www.phoenixcontact.com/in/products/3247990>

## UC-TMF 10 - Marker for terminal blocks

0818124

<https://www.phoenixcontact.com/in/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

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## UC-TMF 10 CUS - Marker for terminal blocks

0824662

<https://www.phoenixcontact.com/in/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-HC BU - Bolt connection terminal block



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<https://www.phoenixcontact.com/in/products/3247990>

## UCT-TMF 10 - Marker for terminal blocks

0829204

<https://www.phoenixcontact.com/in/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

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## UCT-TMF 10 CUS - Marker for terminal blocks

0829679

<https://www.phoenixcontact.com/in/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 BU - Bolt connection terminal block



3247990

<https://www.phoenixcontact.com/in/products/3247990>

## PS-MT - Test plug

0311647

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

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



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## PS-IH WH - Insulating sleeve

0311566

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

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



# RBO 16-HC BU - Bolt connection terminal block

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<https://www.phoenixcontact.com/in/products/3247990>



## PS-IH RD - Insulating sleeve

0311579

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

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



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## PS-IH BU - Insulating sleeve

0311582

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

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



# RBO 16-HC BU - Bolt connection terminal block



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## PS-IH YE - Insulating sleeve

0311595

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

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



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## PS-IH GN - Insulating sleeve

0311605

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

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



# RBO 16-HC BU - Bolt connection terminal block

3247990

<https://www.phoenixcontact.com/in/products/3247990>



## PS-IH GY - Insulating sleeve

0311621

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



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

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## PS-IH BK - Insulating sleeve

0311634

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



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

## RBO 16-HC BU - Bolt connection terminal block

3247990

<https://www.phoenixcontact.com/in/products/3247990>



## PS-IH VT - Insulating sleeve

0311618

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

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



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## PML-W101 (25X25) - Warning label

0830433

<https://www.phoenixcontact.com/in/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 BU - Bolt connection terminal block



3247990

<https://www.phoenixcontact.com/in/products/3247990>

## PROJECT COMPLETE - Software

1050453

<https://www.phoenixcontact.com/in/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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