

UIK 35 BU - Installation terminal block



3006302

<https://www.phoenixcontact.com/in/products/3006302>

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Installation terminal block, nom. voltage: 800 V, nominal current: 125 A, Screw connection, Rated cross section: 35 mm², cross section: 0.75 mm² - 35 mm², mounting type: NS 35/7,5, NS 35/15, NS 32, color: blue

Your advantages

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

Commercial Data

Item number	3006302
Packing unit	50 pc
Minimum order quantity	50 pc
Sales Key	BE1
Product Key	BE1251
Catalog Page	Page 505 (C-1-2017)
GTIN	4017918091477
Weight per Piece (including packing)	46.33 g
Weight per Piece (excluding packing)	44.102 g
Customs tariff number	85369010
Country of origin	IN

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Technical Data

Product properties

Product type	Installation terminal block
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	4.06 W

Connection data

Number of connections per level	2
Nominal cross section	35 mm ²

Level 1 above 1 below 1

Screw thread	M6
Tightening torque	3.2 ... 3.7 Nm
Stripping length	16 mm
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	0.75 mm ² ... 35 mm ²
Cross section AWG	18 ... 2 (converted acc. to IEC)
Conductor cross section flexible	0.75 mm ² ... 35 mm ²
Conductor cross section, flexible [AWG]	18 ... 2 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.75 mm ² ... 35 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.75 mm ² ... 35 mm ²
Cross-section with insertion bridge, rigid	35 mm ²
Cross-section with insertion bridge, flexible	35 mm ²
2 conductors with same cross section, solid	0.75 mm ² ... 10 mm ²
2 conductors with same cross section, flexible	0.75 mm ² ... 10 mm ²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.75 mm ² ... 10 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.75 mm ² ... 6 mm ²
Nominal current	125 A
Maximum load current	125 A (with 35 mm ² conductor cross section)
Nominal voltage	800 V
Nominal cross section	35 mm ²

Dimensions

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Width	15.2 mm
Height NS 35/15	58.5 mm
Height NS 35/7,5	51 mm
Height	2.008 "
Height NS 32	56 mm
Length	55 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
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °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
Calorimetric heat release NFPA 130 (ASTM E 1354)	28 MJ/kg
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 35 mm ²	4.2 kA
Result	Test passed

Power-frequency withstand voltage

Test voltage setpoint	2 kV
Result	Test passed

Mechanical properties

Mechanical data

Open side panel	No
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Mechanical tests

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Mechanical strength

Result	Test passed
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Attachment on the carrier

DIN rail/fixing support	NS 32/NS 35
Test force setpoint	10 N
Result	Test passed

Test for conductor damage and slackening

Rotation speed	10 rpm
Revolutions	135
Conductor cross section/weight	0.75 mm ² / 0.4 kg 35 mm ² / 6.8 kg
Result	Test passed

Environmental and real-life conditions

Needle-flame test

Time of exposure	30 s
Result	Test passed

Ambient conditions

Ambient temperature (operation)	-60 °C ... 105 °C (max. short-term operating temperature 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
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
	NS 32

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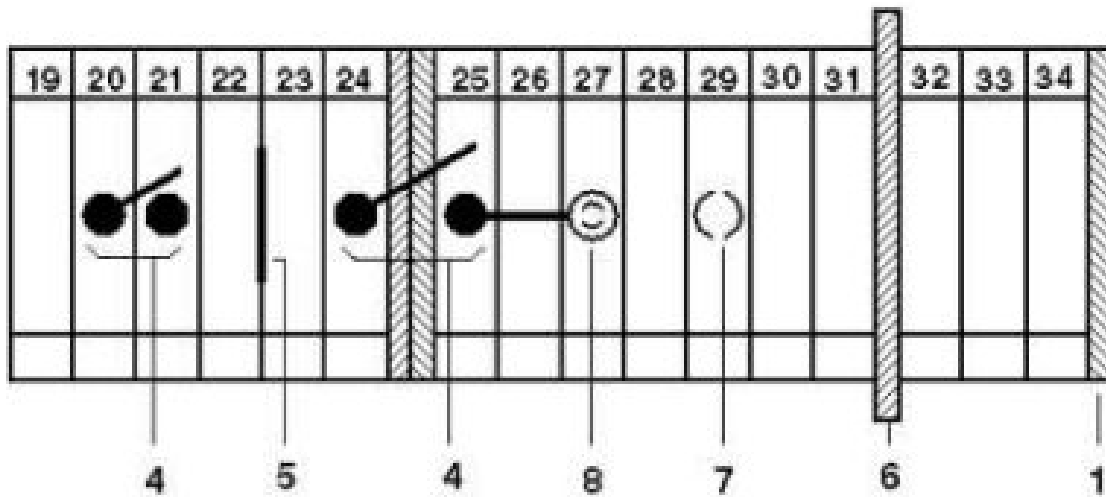
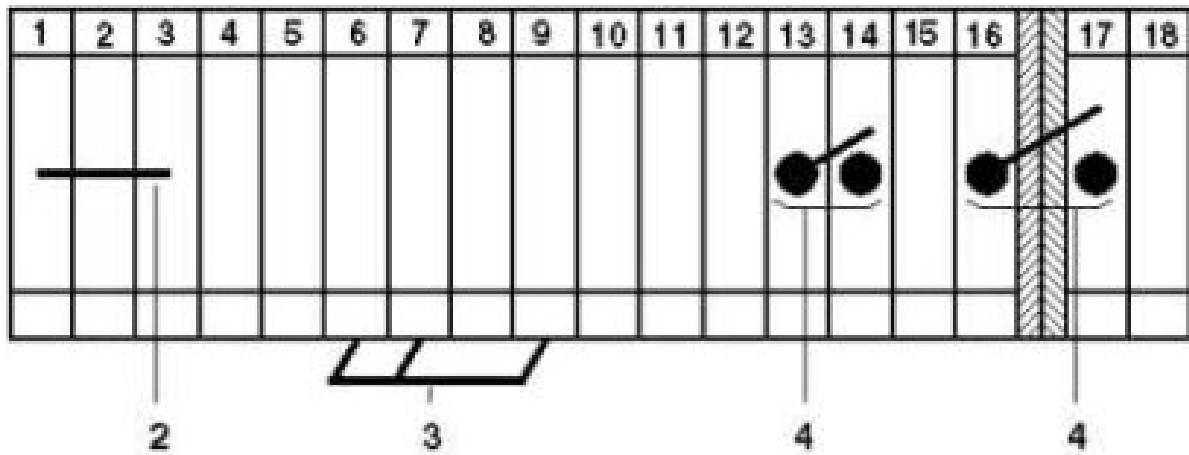


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Drawings

Circuit diagram



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Approvals



EAC

Approval ID: RU C-DE.BL08.B.00534



cULus Recognized

Approval ID: E60425

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
Use group B	600 V	115 A	18 - 2	-
Use group C	600 V	115 A	18 - 2	-
Use group F	600 V	115 A	18 - 2	-

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Classifications

ECLASS

ECLASS-11.0	27141125
ECLASS-12.0	27141125
ECLASS-13.0	27250110

ETIM

ETIM 8.0	EC001329
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UNSPSC

UNSPSC 21.0	39121400
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Environmental Product Compliance


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

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Accessories

 Note: Applying some accessories below might limit this product.

FBI 2-15 - Fixed bridge

0201333

<https://www.phoenixcontact.com/in/products/0201333>



Fixed bridge, pitch: 15 mm, number of positions: 2, color: silver

 Max. current carrying capacity: 135 A


FBI 3-15 - Fixed bridge

0201278

<https://www.phoenixcontact.com/in/products/0201278>



Fixed bridge, pitch: 15 mm, number of positions: 3, color: silver

 Max. current carrying capacity: 135 A

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EB 10-15 - Insertion bridge

0205135

<https://www.phoenixcontact.com/in/products/0205135>



Insertion bridge, pitch: 15.25 mm, number of positions: 10, color: gray

EB 2-15 K/UK 35 - Insertion bridge

0205119

<https://www.phoenixcontact.com/in/products/0205119>



Insertion bridge, pitch: 15 mm, number of positions: 2, color: gray

 Max. current carrying capacity: 101 A

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EB 3-15 K/UK 35 - Insertion bridge

0205106

<https://www.phoenixcontact.com/in/products/0205106>

Insertion bridge, pitch: 15 mm, number of positions: 3, color: gray



 Max. current carrying capacity: 101 A

EB 10-15 K/UK 35 - Insertion bridge

0205096

<https://www.phoenixcontact.com/in/products/0205096>

Insertion bridge, pitch: 15 mm, number of positions: 10, color: gray



 Max. current carrying capacity: 101 A

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SBH 2-15 - Switching jumper

0205232

<https://www.phoenixcontact.com/in/products/0205232>



Switching jumper, pitch: 15 mm, number of positions: 2, color: silver

 Max. current carrying capacity: 120 A

WS 5-15 - Warning label

1004445

<https://www.phoenixcontact.com/in/products/1004445>

Warning label, Plate, orange, labeled: Lightning flash and warning in English, mounting type: plug in, for terminal block width: 15 mm, diameter: 0 mm



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WS 4-15 - Warning label

1004241

<https://www.phoenixcontact.com/in/products/1004241>

Warning label, Plate, orange, labeled: Lightning flash and warning in English, mounting type: plug in, for terminal block width: 15 mm, diameter: 0 mm



TS-K - Separating plate

1302215

<https://www.phoenixcontact.com/in/products/1302215>

Separating plate, length: 22 mm, width: 0.5 mm, height: 22 mm, color: gray



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EA 11 - Cover

1024263

<https://www.phoenixcontact.com/in/products/1024263>

Single cover, for covering one terminal block, snap fit, cannot be labeled, color: transparent



NLS-CU 3/10 SN 1000MM - Neutral busbar

0402174

<https://www.phoenixcontact.com/in/products/0402174>

Neutral busbar, DIN VDE 0611-4: 1991-02, material: Copper, tin-plated, color: silver



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AP-NLS N - Cover profile

1013634

<https://www.phoenixcontact.com/in/products/1013634>



Cover profile, length: 300 mm, color: transparent

SZS 1,0X4,0 VDE - Screwdriver

1205066

<https://www.phoenixcontact.com/in/products/1205066>



Screwdriver, slot-headed, VDE insulated, size: 1.0 x 4.0 x 100 mm, 2-component grip, with non-slip grip

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NS 32 PERF 2000MM-VPE 10 - DIN rail perforated

1201002

<https://www.phoenixcontact.com/in/products/1201002>



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

NS 32 UNPERF 2000MM-VPE 10 - DIN rail, unperforated

1201015

<https://www.phoenixcontact.com/in/products/1201015>



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

UIK 35 BU - Installation terminal block

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<https://www.phoenixcontact.com/in/products/3006302>



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

0801733

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



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

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

0801681

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



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

UIK 35 BU - Installation terminal block

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

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

1204122

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



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

UIK 35 BU - Installation terminal block

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<https://www.phoenixcontact.com/in/products/3006302>



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

0801704

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



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

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

1206421

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



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

UIK 35 BU - Installation terminal block

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

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

0801762

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



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

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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



NS 35/15 PERF 2000MM - DIN rail perforated

1201730

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



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

UIK 35 BU - Installation terminal block

3006302

<https://www.phoenixcontact.com/in/products/3006302>



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

1201714

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



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

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

0806602

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



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

UIK 35 BU - Installation terminal block

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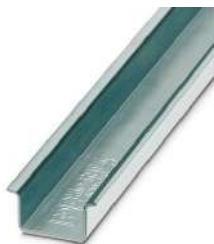
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NS 35/15 WH UNPERF 2000MM-VPE 10 - DIN rail, unperforated

1204135

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



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

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

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

1206586

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



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

UIK 35 BU - Installation terminal block

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

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

ZB 15:UNBEDRUCKT - Zack marker strip

0811972

<https://www.phoenixcontact.com/in/products/0811972>



Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 15.2 mm, lettering field size: 10.5 x 15.1 mm, Number of individual labels: 5

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ZB 15 CUS - Zack marker strip

0824945

<https://www.phoenixcontact.com/in/products/0824945>



Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 15.2 mm, lettering field size: 10.5 x 15.1 mm, Number of individual labels: 5

ZB 15,LGS:L1-N,PE - Zack marker strip

0811998

<https://www.phoenixcontact.com/in/products/0811998>



Zack marker strip, Strip, white, labeled, printed horizontally: L1, L2, L3, N, PE, mounting type: snapped, for terminal block width: 15.2 mm, lettering field size: 10.5 x 15.1 mm, Number of individual labels: 5

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PS-MT - Test plugs

0311647

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



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

PS-IH WH - Insulating sleeve

0311566

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



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

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PS-IH RD - Insulating sleeve

0311579

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



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

PS-IH BU - Insulating sleeve

0311582

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

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PS-IH YE - Insulating sleeve

0311595

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

PS-IH GN - Insulating sleeve

0311605

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



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

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PS-IH GY - Insulating sleeve

0311621

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



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

PS-IH BK - Insulating sleeve

0311634

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



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

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PS-IH VT - Insulating sleeve

0311618

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



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

CLIPFIX 35 - End clamp

3022218

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

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CLIPFIX 35-5 - End clamp

3022276

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

E/NS 35 N - End clamp

0800886

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



End clamp, width: 9.5 mm, color: gray

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E/UK - End clamp

1201442

<https://www.phoenixcontact.com/in/products/1201442>

End clamp, material: PA, color: gray, Mounting on a DIN rail NS 32 or NS 35



E/UK 1 - End clamp

1201413

<https://www.phoenixcontact.com/in/products/1201413>

End clamps, for supporting the ends of double-level and three-level terminal blocks, width: 10 mm, color: gray



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PSB 6/5/6 - Female test connector

0205290

<https://www.phoenixcontact.com/in/products/0205290>

Female test connector, number of positions: 1, color: silver



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