PHŒNIX CONTACT

Feed-through modular terminal block - BT 5,5 - 3281133

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Feed-through modular terminal block, nom. voltage: 690 V, nominal current: 41 A, connection method: Ring cable lug, number of connections: 2, cross section: 0.2 mm² - 6 mm², width: 11 mm, color: black, mounting type: NS 35/7,5, NS 35/15

Your advantages

☑ Convenient ring cable lug connection thanks to the screw connection principle with spring-guided screw; maintenance-free with integrated screw locking

☑ Easy potential distribution with time-saving jumper system

☑ Safety for users thanks to integrated shock protection

☑ Maximum overview thanks to extensive marking and labeling of every terminal point

☑ Reduction in logistics costs with the uniform CLIPLINE complete system accessories

RoHS

Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
GTIN	4 055626 406824
GTIN	4055626406824
Weight per Piece (excluding packing)	14.800 g
Custom tariff number	85369010
Country of origin	India

Technical data

General

Number of levels	1
Number of connections	2
Potentials	1

Feed-through modular terminal block - BT 5,5 - 3281133

Technical data

General

Nominal cross section	6 mm²
Color	black
Insulating material	PC
Flammability rating according to UL 94	V0
Rated surge voltage	8 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	IIIa
Maximum power dissipation for nominal condition	1.02 W
Ambient temperature (operation)	-40 °C ... 110 °C
Maximum load current	41 A
Nominal current I_N	41 A
Nominal voltage U_N	690 V
Open side panel	Yes

Dimensions

Width	11 mm
Length	50.2 mm
Height NS 35/7,5	41 mm
Height NS 35/15	48.5 mm

Connection data

Connection method	Ring cable lug
Screw thread	M4
Tightening torque, min	1.4 Nm
Tightening torque max	2 Nm
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	6 mm²
Conductor cross section flexible min.	0.14 mm²
Conductor cross section flexible max.	6 mm²
Min. AWG conductor cross section, flexible	24
Max. AWG conductor cross section, flexible	10
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.2 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	6 mm²
Cable lug connection according to standard	DIN 46234
Min. cross section for cable lug connection	0.14 mm²
Max. cross section for cable lug connection	6 mm²

PHŒNIX CONTACT

Feed-through modular terminal block - BT 5,5 - 3281133

Technical data

Connection data

AWG min	26
AWG max	10
Hole diameter, min.	4.3 mm
Cable lug width, max.	9.8 mm
Bolt diameter	4 mm
Screw thread	M4
Tightening torque, min	1.4 Nm
Tightening torque max	2 Nm

Connection data (JIS standard)

Connection method	Ring cable lug
Connection in acc. with standard	JIS 8207-7-1
Conductor cross section flexible min.	0.5 mm²
Conductor cross section flexible max.	5.5 mm²
Cable lug connection according to standard	JIS 8207-7-1
Min. cross section for cable lug connection	0.5 mm²
Max. cross section for cable lug connection	5.5 mm²
Hole diameter, min.	4.3 mm
Cable lug width, max.	9.8 mm
Bolt diameter	4 mm
Screw thread	M4
Tightening torque, min	1.4 Nm
Tightening torque max	2 Nm
Nominal current I_N	40 A
Maximum load current	40 A
Nominal voltage U_N	600 V

Standards and Regulations

Connection in acc. with standard	IEC 60947-7-1
Flammability rating according to UL 94	V0

Environmental Product Compliance

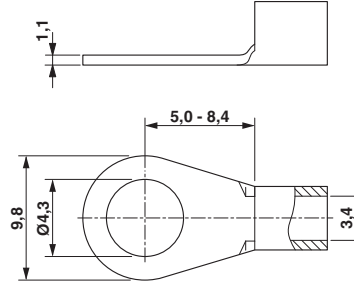|	
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings
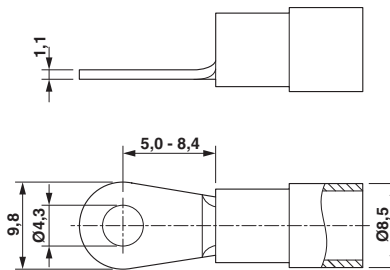
Feed-through modular terminal block - BT 5,5 - 3281133

Circuit diagram

Dimensional drawing

Dimensional drawing

Classifications

eCl@ss

eCl@ss 4.0	27141120
eCl@ss 4.1	27141120
eCl@ss 5.0	27141120
eCl@ss 5.1	27141120
eCl@ss 6.0	27141100
eCl@ss 7.0	27141120
eCl@ss 8.0	27141120
eCl@ss 9.0	27141120

ETIM

ETIM 2.0	EC000897
ETIM 3.0	EC000897
ETIM 4.0	EC000897
ETIM 5.0	EC000897
ETIM 6.0	EC000897
ETIM 7.0	EC000897

Feed-through modular terminal block - BT 5,5 - 3281133

Classifications

UNSPSC

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410

Approvals

Approvals

Approvals

CSA / UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
	B	C	
Nominal voltage UN	600 V	600 V	
Nominal current IN	40 A	40 A	
mm²/AWG/kcmil	24-8	24-8	

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
	B	C	
Nominal voltage UN	600 V	600 V	
Nominal current IN	40 A	40 A	
mm²/AWG/kcmil	24-8	24-8	

Feed-through modular terminal block - BT 5,5 - 3281133

Approvals

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
		B	C
Nominal voltage UN		600 V	600 V
Nominal current IN		40 A	40 A
mm²/AWG/kcmil		24-8	24-8

cULus Recognized	

Accessories

Accessories

Cover profile

Cover profile - AP-BTO 5,5/14 - 3281151

Cover profile, width: 54.5 mm, height: 10.5 mm, material: PC, length: 1000 mm, color: transparent

DIN rail

DIN rail perforated - NS 35/ 7,5 PERF 2000MM - 0801733

DIN rail perforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

DIN rail, unperforated - NS 35/ 7,5 UNPERF 2000MM - 0801681

DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

PHŒNIX
CONTACT

Feed-through modular terminal block - BT 5,5 - 3281133

Accessories

DIN rail perforated - NS 35/ 7,5 WH PERF 2000MM - 1204119

DIN rail perforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, Galvanized, white passivated, length: 2000 mm, color: silver

DIN rail, unperforated - NS 35/ 7,5 WH UNPERF 2000MM - 1204122

DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, Galvanized, white passivated, length: 2000 mm, color: silver

DIN rail, unperforated - NS 35/ 7,5 AL UNPERF 2000MM - 0801704

DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Aluminum, uncoated, length: 2000 mm, color: silver

DIN rail perforated - NS 35/ 7,5 ZN PERF 2000MM - 1206421

DIN rail perforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, galvanized, length: 2000 mm, color: silver

DIN rail, unperforated - NS 35/ 7,5 ZN UNPERF 2000MM - 1206434

DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Steel, galvanized, length: 2000 mm, color: silver

PHŒNIX CONTACT

Feed-through modular terminal block - BT 5,5 - 3281133

Accessories

DIN rail, unperforated - NS 35/ 7,5 CU UNPERF 2000MM - 0801762

DIN rail, unperforated, Standard profile, width: 35 mm, height: 7.5 mm, acc. to EN 60715, material: Copper, uncoated, length: 2000 mm, color: copper-colored

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End cap - NS 35/ 7,5 CAP - 1206560

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

DIN rail perforated - NS 35/15 PERF 2000MM - 1201730

DIN rail perforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

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DIN rail, unperforated - NS 35/15 UNPERF 2000MM - 1201714

DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, galvanized, passivated with a thick layer, length: 2000 mm, color: silver

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DIN rail perforated - NS 35/15 WH PERF 2000MM - 0806602

DIN rail perforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, Galvanized, white passivated, length: 2000 mm, color: silver

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PHŒNIX CONTACT

Feed-through modular terminal block - BT 5,5 - 3281133

Accessories

DIN rail, unperforated - NS 35/15 WH UNPERF 2000MM - 1204135

DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, Galvanized, white passivated, length: 2000 mm, color: silver

DIN rail, unperforated - NS 35/15 AL UNPERF 2000MM - 1201756

DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Aluminum, uncoated, length: 2000 mm, color: silver

DIN rail perforated - NS 35/15 ZN PERF 2000MM - 1206599

DIN rail perforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, galvanized, length: 2000 mm, color: silver

DIN rail, unperforated - NS 35/15 ZN UNPERF 2000MM - 1206586

DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Steel, galvanized, length: 2000 mm, color: silver

DIN rail, unperforated - NS 35/15 CU UNPERF 2000MM - 1201895

DIN rail, unperforated, Standard profile, width: 35 mm, height: 15 mm, similar to EN 60715, material: Copper, uncoated, length: 2000 mm, color: copper-colored

Feed-through modular terminal block - BT 5,5 - 3281133

Accessories

End cap - NS 35/15 CAP - 1206573

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

End block

End clamp - E/NS 35 N BK - 0804271

End clamp, width: 9.5 mm, height: 32.8 mm, material: PA, length: 48.6 mm, color: black

End cover

End cover - D-BT 5,5 - 3281145

End cover, length: 50 mm, width: 3.5 mm, height: 33.6 mm, color: black

Insulating sleeve

Insulating sleeve - MPS-IH WH - 0201663

Insulating sleeve, color: white

Feed-through modular terminal block - BT 5,5 - 3281133

Accessories

Insulating sleeve - MPS-IH RD - 0201676

Insulating sleeve, color: red

Insulating sleeve - MPS-IH BU - 0201689

Insulating sleeve, color: blue

Insulating sleeve - MPS-IH YE - 0201692

Insulating sleeve, color: yellow

Insulating sleeve - MPS-IH GN - 0201702

Insulating sleeve, color: green

Insulating sleeve - MPS-IH GY - 0201728

Insulating sleeve, color: gray

Feed-through modular terminal block - BT 5,5 - 3281133

Accessories

Insulating sleeve - MPS-IH BK - 0201731

Insulating sleeve, color: black

Jumper

Plug-in bridge - FBS 2-6 - 3030336

Plug-in bridge, pitch: 6.2 mm, width: 10.7 mm, number of positions: 2, color: red

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Plug-in bridge - FBS 2-6 BU - 3036932

Plug-in bridge, pitch: 6.2 mm, width: 10.7 mm, number of positions: 2, color: blue

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Plug-in bridge - FBS 2-6 GY - 3032237

Plug-in bridge, pitch: 6.2 mm, width: 10.7 mm, number of positions: 2, color: gray

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Labeled terminal marker

Marker for terminal blocks - TMT 6 R CUS - 0824488

Marker for terminal blocks, can be ordered: by line, white, labeled according to customer specifications, mounting type: snap into universal marker groove, snap into flat marker groove, for terminal block width: 6.2 mm, lettering field size: 6.35 x 6.15 mm

PHŒNIX CONTACT

Feed-through modular terminal block - BT 5,5 - 3281133

Accessories

Partition plate

Spacer plate - DP PS-5 - 3036725

Spacer plate, length: 22.4 mm, width: 5.2 mm, height: 29 mm, number of positions: 1, color: red

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Planning and marking software

Software - CLIP-PROJECT ADVANCED - 5146040

Multilingual software for convenient configuration of Phoenix Contact products on standard DIN rails.

Software - CLIP-PROJECT PROFESSIONAL - 5146053

Multilingual software for terminal strip configuration. A marking module enables the professional marking of markers and labels for identifying terminal blocks, conductors and cables, and devices.

Screwdriver tools

Philips screwdriver - SF-PH 2-100 - 1212560

Screwdriver, PH crosshead (lasered), uninsulated, size: PH 2 x 100, 2-component grip, with non-slip grip

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PHŒNIX
CONTACT

Feed-through modular terminal block - BT 5,5 - 3281133

Accessories

Philips screwdriver - SF-PH 2-100 S-VDE - 1212694

Screwdriver, crosshead PH (lasered), insulated, size: PH 2 x 100, 2-component handle, with non-slip grip

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Terminal marking

Marker for terminal blocks - TMT 6 R - 0816498

Marker for terminal blocks, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, perforated, mounting type: snap into universal marker groove, snap into flat marker groove, for terminal block width: 6.2 mm, lettering field size: 6.35 x 6.15 mm

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Marker for terminal blocks - TMT (EX9,5)R - 0828295

Marker for terminal blocks, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: snap into universal marker groove, snap into tall marker groove, for terminal block width: 50000 mm, lettering field size: 9.5 x 50000 mm

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Marker for terminal blocks - US-TM 100 - 0829255

Marker for terminal blocks, Card, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snap into universal marker groove, lettering field size: 104 x 9.8 mm

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Test plug terminal block

Test plugs - PS-5 - 3030983

Test plugs, color: red

Feed-through modular terminal block - BT 5,5 - 3281133

Accessories

Test plugs - PS-5/2,3MM RD - 3038723

Test plugs, color: red

Test plugs - MPS-MT - 0201744

Test plugs, with solder connection up to 1 mm² conductor cross section, color: gray

Test socket

Test adapter - PAI-4 - 3030925

Test adapter, for 4 mm test plug and terminal blocks with 4.2 mm ... 8.2 mm pitch, color: gray