

3038134

https://www.phoenixcontact.com/in/products/3038134

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Feed-through terminal block, nom. voltage: 800 V, nominal current: 41 A, number of connections: 2, connection method: Spring-cage connection, 1 level, Rated cross section: 6 mm^2 , cross section: 0.2 mm^2 - 10 mm^2 , mounting type: NS 35/7,5, NS 35/15, color: blue

Your advantages

- · User-friendly wiring thanks to front connection
- · Angled conductor entry for use in flat terminal boxes
- · Large space saving when used in concealed wiring systems
- · Feed-through terminal blocks with 2, 3 or 4 connections have the same shape

Commercial Data

Item number	3038134
Packing unit	50 pc
Minimum order quantity	50 pc
Sales Key	BE2
Product Key	BE2111
Catalog Page	Page 239 (C-1-2019)
GTIN	4017918928957
Weight per Piece (including packing)	15.83 g
Weight per Piece (excluding packing)	14.534 g
Customs tariff number	85369010
Country of origin	PL



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Technical Data

Product properties

Product type	Feed-through 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	1.31 W

Connection data

Number of connections per level	2
Nominal cross section	6 mm²

1 level

. 1010	
Stripping length	12 mm
Internal cylindrical gage	A5
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	0.2 mm ² 10 mm ²
Cross section AWG	24 8 (converted acc. to IEC)
Conductor cross section flexible	0.2 mm² 6 mm²
Conductor cross section, flexible [AWG]	24 10 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm² 6 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.25 mm² 6 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm² 1.5 mm²
Nominal current	41 A
Maximum load current	57 A (with 10 mm² conductor cross section)
Nominal voltage	800 V
Nominal cross section	6 mm²

Dimensions

Width	8.2 mm
End cover width	2.2 mm
Height NS 35/15	57.5 mm
Height NS 35/7,5	50 mm
Length	58 mm

Material specifications



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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))	125 °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)	27,5 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

Mechanical properties

Mech	nanical	l data

Open side panel	Yes

Environmental and real-life conditions

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
Ambient temperature (actuation)	-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

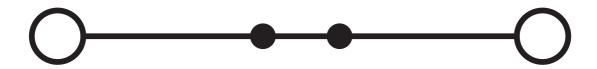


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Drawings

Circuit diagram





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Approvals

CSA Approval ID: 13631				
	Nominal Voltage U _N	Nominal Current I _N	Cross Section AWG	Cross Section mm ²
	600 V	50 A	24 - 8	-
	600 V	50 A	24 - 8	-

	IECEE CB Scheme		
scheme	Approval ID: DE1-62704		

EHE	EAC
LIIL	Approval ID: RU C-DE.BL08.B.00644

	RS
9	Approval ID: 22.44.01.00083.250

e 912 us	cULus Recognized Approval ID: E60425				
		Nominal Voltage U _N	Nominal Current I _N	Cross Section AWG	Cross Section mm ²
		600 V	50 A	24 - 8	-
		600 V	50 A	24 - 8	-



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Classifications

ECLASS

	ECLASS-11.0	27141120	
ETIM			
	ETIM 8.0	EC000897	
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.

FBS 2-8 - Plug-in bridge

3030284

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Plug-in bridge, pitch: 8.2 mm, number of positions: 2, color: red

Max. current carrying capacity: 41 A

FBS 3-8 - Plug-in bridge

3030297

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Plug-in bridge, pitch: 8.2 mm, number of positions: 3, color: red



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FBS 4-8 - Plug-in bridge

3030307

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Plug-in bridge, pitch: 8.2 mm, number of positions: 4, color: red

1 Max. current carrying capacity: 41 A

FBS 5-8 - Plug-in bridge

3030310

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Plug-in bridge, pitch: 8.2 mm, number of positions: 5, color: red



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FBS 10-8 - Plug-in bridge

3030323

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Plug-in bridge, pitch: 8.2 mm, number of positions: 10, color: red

Max. current carrying capacity: 41 A

FBS 6-8 - Plug-in bridge

3032470

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Plug-in bridge, pitch: 8.2 mm, number of positions: 6, color: red



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FBS 2-8 CT - Plug-in bridge

3033830

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Plug-in bridge, pitch: 8.2 mm, number of positions: 2, color: orange

1 Max. current carrying capacity: 41 A

FBS 3-8 CT - Plug-in bridge

3033831

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Plug-in bridge, pitch: 8.2 mm, number of positions: 3, color: orange



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FBS 4-8 CT - Plug-in bridge

3033832

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Plug-in bridge, pitch: 8.2 mm, number of positions: 4, color: orange

1 Max. current carrying capacity: 41 A

FBS 10-8 CT - Plug-in bridge

3033833

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Plug-in bridge, pitch: 8.2 mm, number of positions: 10, color: orange



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FBS 2-8 BU - Plug-in bridge

3032567

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Plug-in bridge, pitch: 8.2 mm, number of positions: 2, color: blue

1 Max. current carrying capacity: 41 A

FBS 3-8 BU - Plug-in bridge

3032570

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Plug-in bridge, pitch: 8.2 mm, number of positions: 3, color: blue



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FBS 4-8 BU - Plug-in bridge

3032583

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Plug-in bridge, pitch: 8.2 mm, number of positions: 4, color: blue

1 Max. current carrying capacity: 41 A

FBS 5-8 BU - Plug-in bridge

3032596

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Plug-in bridge, pitch: 8.2 mm, number of positions: 5, color: blue



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FBS 6-8 BU - Plug-in bridge

3032677

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Plug-in bridge, pitch: 8.2 mm, number of positions: 6, color: blue

Max. current carrying capacity: 41 A

FBS 10-8 BU - Plug-in bridge

3032606

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Plug-in bridge, pitch: 8.2 mm, number of positions: 10, color: blue



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FBS 2-8 GY - Plug-in bridge

3032621

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Plug-in bridge, pitch: 8.2 mm, number of positions: 2, color: gray

1 Max. current carrying capacity: 41 A

FBS 3-8 GY - Plug-in bridge

3032622

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Plug-in bridge, pitch: 8.2 mm, number of positions: 3, color: gray



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FBS 4-8 GY - Plug-in bridge

3032635

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Plug-in bridge, pitch: 8.2 mm, number of positions: 4, color: gray

1 Max. current carrying capacity: 41 A

FBS 5-8 GY - Plug-in bridge

3032648

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Plug-in bridge, pitch: 8.2 mm, number of positions: 5, color: gray



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FBS 6-8 GY - Plug-in bridge

3032664

https://www.phoenixcontact.com/in/products/3032664



Plug-in bridge, pitch: 8.2 mm, number of positions: 6, color: gray

Max. current carrying capacity: 41 A

FBS 10-8 GY - Plug-in bridge

3032651

https://www.phoenixcontact.com/in/products/3032651



Plug-in bridge, pitch: 8.2 mm, number of positions: 10, color: gray



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FBSRH 2-8 - Short-circuit connector

3033802

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Short-circuit connector, pitch: 8.2 mm, number of positions: 2, color: red

1 Max. current carrying capacity: 32 A

FBSRH 3-8 - Short-circuit connector

3033803

https://www.phoenixcontact.com/in/products/3033803



Short-circuit connector, pitch: 8.2 mm, number of positions: 3, color: red



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FBSRH 4-8 - Short-circuit connector

3033804

https://www.phoenixcontact.com/in/products/3033804



Short-circuit connector, pitch: 8.2 mm, number of positions: 4, color: red

Max. current carrying capacity: 32 A

FBSR 2-8 - Plug-in bridge

3033808

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Plug-in bridge, pitch: 8.2 mm, number of positions: 2, color: red



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FBSR 3-8 - Plug-in bridge

3001597

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Plug-in bridge, pitch: 8.2 mm, number of positions: 3, color: red

Max. current carrying capacity: 32 A

FBSR 4-8 - Plug-in bridge

3000585

https://www.phoenixcontact.com/in/products/3000585



Plug-in bridge, pitch: 8.2 mm, number of positions: 4, color: red



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FBSR 5-8 - Plug-in bridge

3033809

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Plug-in bridge, pitch: 8.2 mm, number of positions: 5, color: red

Max. current carrying capacity: 32 A

FBSR 10-8 - Plug-in bridge

3001599

https://www.phoenixcontact.com/in/products/3001599



Plug-in bridge, pitch: 8.2 mm, number of positions: 10, color: red



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SB-MER 2-8 - Switching jumper

3000587

https://www.phoenixcontact.com/in/products/3000587



Switching jumper, pitch: 8.2 mm, number of positions: 2, length: 25 mm, color: gray/orange

Max. current carrying capacity: 25 A

SB-MER 3-8 - Switching jumper

3000588

https://www.phoenixcontact.com/in/products/3000588



Switching jumper, pitch: 8.2 mm, number of positions: 3, length: 25 mm, color: gray/orange



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SB-MER 4-8 - Switching jumper

3000589

https://www.phoenixcontact.com/in/products/3000589



Switching jumper, pitch: 8.2 mm, number of positions: 4, length: 25 mm, color: gray/orange

Max. current carrying capacity: 25 A

D-STS 6 - End cover

3038189

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End cover, length: 58 mm, width: 2.2 mm, height: 50 mm, color: gray



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ATP-ST 6 - Partition plate

3024481

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Partition plate, length: 73.5 mm, width: 2 mm, height: 47.2 mm, color: gray

SZF 2-0,8X4,0 - Screwdriver

1204520

https://www.phoenixcontact.com/in/products/1204520



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: $0.8 \times 4.0 \times 100$ mm, 2-component grip, with non-slip grip



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ST-IL - Mounting material

3039900

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Operating decal for the ST terminal block



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)



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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)

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)



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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) $^{\circ}$

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)



3038134

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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)

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)



3038134

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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)

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





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PAI-4-FIX BU - Test adapter

3032729

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Test adapter, Touch proof against unintentional direct contact according to DIN EN 50274 when plugged in, for 4 mm test plug and terminal blocks with 8.2 mm pitch, number of positions: 1, fuse type: , mounting type: , , , color: blue

PAI-4-FIX OG - Test adapter

3034455

https://www.phoenixcontact.com/in/products/3034455



4 mm test adapter, for terminal blocks with 8.2 mm pitch



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PAI-4-FIX YE - Test adapter

3032745

https://www.phoenixcontact.com/in/products/3032745



Test adapter, Touch proof against unintentional direct contact according to DIN EN 50274 when plugged in, for 4 mm test plug and terminal blocks with 8.2 mm pitch, number of positions: 1, fuse type: , mounting type: , , , color: yellow

PAI-4-FIX RD - Test adapter

3032732

https://www.phoenixcontact.com/in/products/3032732



Test adapter, Touch proof against unintentional direct contact according to DIN EN 50274 when plugged in, for 4 mm test plug and terminal blocks with 8.2 mm pitch, number of positions: 1, fuse type: , mounting type: , , , color: red



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PAI-4-FIX GN - Test adapter

3032758

https://www.phoenixcontact.com/in/products/3032758



Test adapter, Touch proof against unintentional direct contact according to DIN EN 50274 when plugged in, for 4 mm test plug and terminal blocks with 8.2 mm pitch, number of positions: 1, fuse type: , mounting type: , , , color: green

PAI-4-FIX BK - Test adapter

3032774

https://www.phoenixcontact.com/in/products/3032774



Test adapter, Touch proof against unintentional direct contact according to DIN EN 50274 when plugged in, for 4 mm test plug and terminal blocks with 8.2 mm pitch, number of positions: 1, fuse type: , mounting type: , , , color: black



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PAI-4-FIX GY - Test adapter

3032790

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Test adapter, Touch proof against unintentional direct contact according to DIN EN 50274 when plugged in, for 4 mm test plug and terminal blocks with 8.2 mm pitch, number of positions: 1, fuse type: , mounting type: , , , color: gray

PAI-4-FIX VT - Test adapter

3032761

https://www.phoenixcontact.com/in/products/3032761



Test adapter, Touch proof against unintentional direct contact according to DIN EN 50274 when plugged in, for 4 mm test plug and terminal blocks with 4.2 mm . . 8.2 mm pitch, number of positions: 1, fuse type: , mounting type: , , , color: violet



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PAI-4-FIX BN - Test adapter

3032787

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Test adapter, Touch proof against unintentional direct contact according to DIN EN 50274 when plugged in, for 4 mm test plug and terminal blocks with 8.2 mm pitch, number of positions: 1, fuse type: , mounting type: , , , color: brown

PAI-4-FIX WH - Test adapter

3032797

https://www.phoenixcontact.com/in/products/3032797

4 mm test adapter, for terminal blocks with 8.2 mm pitch





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PAIS-4-FIX GY - Test adapter

3032791

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Test adapter, Touch proof against unintentional direct contact according to DIN EN 50274 when plugged in, for 4 mm test plug and terminal blocks with 5.2 mm, 6.2 mm, and 8.2 mm pitch, number of positions: 1, fuse type: , mounting type: , , color: gray

PAIS-4-FIX BK - Test adapter

3032792

https://www.phoenixcontact.com/in/products/3032792



Test adapter, Touch proof against unintentional direct contact according to DIN EN 50274 when plugged in, for 4 mm test plug and terminal blocks with 5.2 mm, 6.2 mm, and 8.2 mm pitch, number of positions: 1, fuse type: , mounting type: , , , color: black



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PAIS-4-FIX RD - Test adapter

3032793

https://www.phoenixcontact.com/in/products/3032793



Test adapter, Do not plug in while the power is connected, for 4 mm test plug and terminal blocks with 5.2 mm, 6.2 mm, and 8.2 mm pitch, number of positions: 1, fuse type: , mounting type: , , , color: red

PAIS-4-FIX BU - Test adapter

3032798

https://www.phoenixcontact.com/in/products/3032798



Test adapter, Touch proof against unintentional direct contact according to DIN EN 50274 when plugged in, for 4 mm test plug and terminal blocks with 5.2 mm, 6.2 mm, and 8.2 mm pitch, number of positions: 1, fuse type: , mounting type: , , color: blue



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PAIS-4-FIX YE - Test adapter

3032799

https://www.phoenixcontact.com/in/products/3032799



Test adapter, Touch proof against unintentional direct contact according to DIN EN 50274 when plugged in, for 4 mm test plug and terminal blocks with 5.2 mm, 6.2 mm, and 8.2 mm pitch, number of positions: 1, fuse type: , mounting type: , , color: yellow

PAIS-4-FIX GN - Test adapter

3032801

https://www.phoenixcontact.com/in/products/3032801



Test adapter, Touch proof against unintentional direct contact according to DIN EN 50274 when plugged in, for 4 mm test plug and terminal blocks with 5.2 mm, 6.2 mm, and 8.2 mm pitch, number of positions: 1, fuse type: , mounting type: , , , color: green



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PAIS-4-FIX VT - Test adapter

3032802

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Test adapter, Touch proof against unintentional direct contact according to DIN EN 50274 when plugged in, for 4 mm test plug and terminal blocks with 5.2 mm, 6.2 mm, and 8.2 mm pitch, number of positions: 1, fuse type: , mounting type: , , color: violet

E/AL-NS 35 - End clamp

1201662

https://www.phoenixcontact.com/in/products/1201662



End clamp, for end support of UKH 50 to UKH 240, is pushed onto DIN rail NS 35 and fixed with 2 screws, width: 10 mm, color: aluminum

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