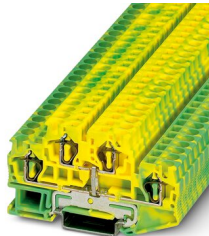


Protective conductor double-level terminal block - STTB 4-PE

3036039

<https://www.phoenixcontact.com/de/produkte/3036039>

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Protective conductor double-level terminal block, number of connections: 4, connection method: Spring-cage connection, 1st and 2nd level, cross section: 0.08 mm² - 6 mm², mounting type: NS 35/7,5, NS 35/15, color: green-yellow

Your advantages

- Additional labeling options
- Low contact resistance
- Corrosion-free terminal points
- Green-yellow housing
- Tested for railway applications

Protective conductor double-level terminal block - STTB 4-PE



3036039

<https://www.phoenixcontact.com/de/produkte/3036039>

Commercial Data

Item number	3036039
Packing unit	50 pc
Minimum order quantity	1 pc
Sales Key	A1 - Reihenklennen
Product Key	BE2124
Catalog Page	Page 230 (C-1-2019)
GTIN	4017918817299
Weight per Piece (including packing)	20,648 g
Weight per Piece (excluding packing)	19,49 g
Customs tariff number	85369010
Country of origin	DE

Protective conductor double-level terminal block - STTB 4-PE



3036039

<https://www.phoenixcontact.com/de/produkte/3036039>

Technical Data

Product properties

Product type	Ground terminal block
Area of application	Railway industry
	Machine building
	Plant engineering
	Process industry
Number of connections	4
Number of rows	2

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	1.02 W

Connection data

Grounding foot	Yes
Number of connections per level	2
Nominal cross section	4 mm ²

1st and 2nd level

Note	Please observe the current carrying capacity of the DIN rails.
Stripping length	8 mm ... 10 mm
Internal cylindrical gage	A4
Conductor cross section solid	0.08 mm ² ... 6 mm ²
Cross section AWG	28 ... 10
Conductor cross section flexible	0.08 mm ² ... 4 mm ²
Conductor cross section, flexible [AWG]	28 ... 12
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	0.14 mm ² ... 4 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm ² ... 4 mm ²

Ex data

Rated data (ATEX/IECEX)

ATEX certificate	KEMA 00 ATEX 2129 U
IEC Ex certificate	IECEX KEM 06.0050 U
Identification	□ II 2 GD Ex eb IIC Gb
Operating temperature range	-60 °C ... 110 °C
Ex-certified accessories	3030462 D-STTB 4 1204517 SZF 1-0,6X3,5

Protective conductor double-level terminal block - STTB 4-PE



3036039

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	3022276 CLIPFIX 35-5
	3022218 CLIPFIX 35

Ex connection data General

Nominal cross section	4 mm ²
Rated cross section AWG	12
Connection capacity rigid	0.08 mm ² ... 6 mm ²
Connection capacity AWG	28 ... 10
Connection capacity flexible	0.08 mm ² ... 4 mm ²
Connection capacity AWG	28 ... 12

Dimensions

Width	6.2 mm
End cover width	2.2 mm
Height NS 35/15	55 mm
Height NS 35/7,5	47.5 mm
Length	83.5 mm

Material specifications

Color	green-yellow
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

Mechanical data

Open side panel	Yes
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Environmental and real-life conditions

Oscillation/broadband noise

Specification	DIN EN 50155 (VDE 0115-200):2008-03
Spectrum	Service life test category 2, bogie-mounted

Protective conductor double-level terminal block - STTB 4-PE



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Frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 250 \text{ Hz}$
ASD level	$6.12 \text{ (m/s}^2\text{)}^2\text{/Hz}$
Acceleration	3.12g
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	30g
Shock duration	18 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 ... 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 60947-7-2
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Mounting

Mounting type	NS 35/7,5
	NS 35/15

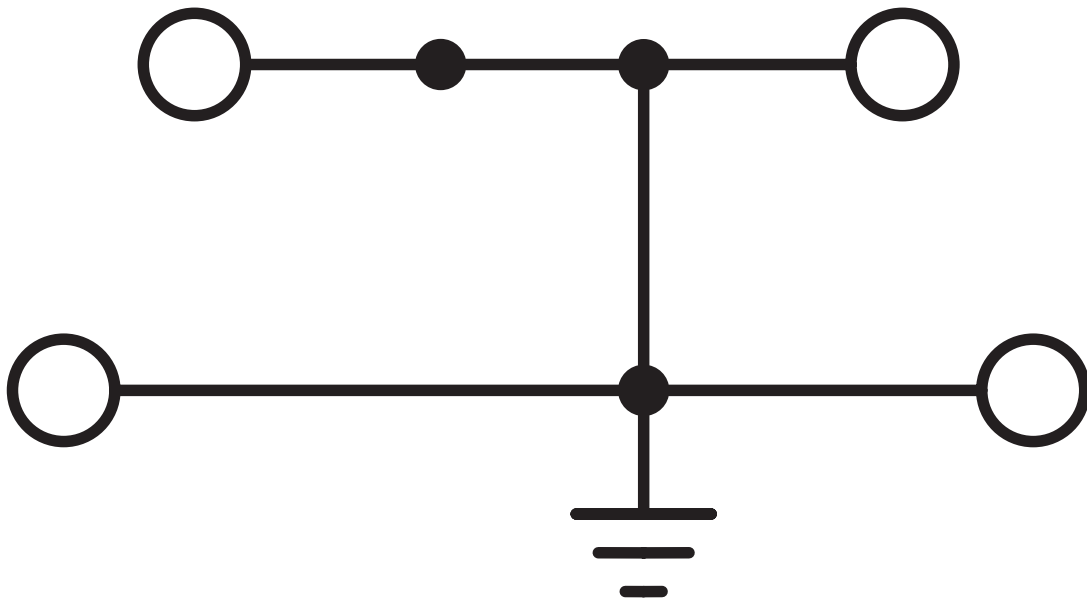
Protective conductor double-level terminal block - STTB 4-PE

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Drawings

Circuit diagram











Protective conductor double-level terminal block - STTB 4-PE



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Approvals


 CSA Approval ID: 13631	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2	
			28 - 10	-	
 IECEE CB Scheme Approval ID: DE1-62971_M1	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2	
			-	-	
 LR Approval ID: LR2014888TA	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2	
			-	-	
 KR Approval ID: HMB17372-EL002	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2	
			-	-	
 ClassNK	NK Approval ID: 09 ME 140	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
				-	-
 RS Approval ID: 17.00013.272	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2	
			-	-	
 BV Approval ID: 13403/D0 BV	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2	
			-	-	
 VDE Zeichengenehmigung Approval ID: 40010331	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2	
			-	0.2 - 4	

Protective conductor double-level terminal block - STTB 4-PE





3036039


<https://www.phoenixcontact.com/de/produkte/3036039>

 cULus Recognized Approval ID: E60425				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
Use group B			28 - 10	-
Use group C			28 - 10	-


DNV Approval ID: TAE00001CS				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
			-	-

 ATEX Approval ID: KEMA00ATEX2129U				
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 EAC Ex Approval ID: RU C-DE.HA91.B.00066				
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 IECEX Approval ID: IECEX KEM 06.0050U				
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 CCC Approval ID: 2020322313000621				
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 NEPSI Approval ID: GYJ20.1193U				
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Protective conductor double-level terminal block - STTB 4-PE



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<https://www.phoenixcontact.com/de/produkte/3036039>

Classifications

ECLASS

ECLASS-9.0	27141141
ECLASS-10.0.1	27141141
ECLASS-11.0	27141141

ETIM

ETIM 8.0	EC000901
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UNSPSC

UNSPSC 21.0	39121400
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Protective conductor double-level terminal block - STTB 4-PE



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<https://www.phoenixcontact.com/de/produkte/3036039>

Environmental Product Compliance

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

Protective conductor double-level terminal block - STTB 4-PE

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<https://www.phoenixcontact.com/de/produkte/3036039>

Accessories

Plug-in bridge

Plug-in bridge - FBS 20-6 - 3030365

<https://www.phoenixcontact.com/de/produkte/3030365>



Plug-in bridge, pitch: 6.2 mm, color: red

Plug-in bridge

Plug-in bridge - FBS 10-6 - 3030271

<https://www.phoenixcontact.com/de/produkte/3030271>



Plug-in bridge, pitch: 6.2 mm, color: red

Protective conductor double-level terminal block - STTB 4-PE

3036039

<https://www.phoenixcontact.com/de/produkte/3036039>

Plug-in bridge

Plug-in bridge - FBS 6-6 - 1008238

<https://www.phoenixcontact.com/de/produkte/1008238>



Plug-in bridge, Version with single- or double-sided cutting edge. Keep in mind the possible impact on touch protection as well as the air clearances and creepage distances. For applications in explosion-proof areas, the voltage reduces to the voltage specified in the Ex certificate for bridges that are cut to length., One side not fully isolated, pitch: 6.2 mm, color: red

Plug-in bridge

Plug-in bridge - FBS 5-6 - 3030349

<https://www.phoenixcontact.com/de/produkte/3030349>



Plug-in bridge, pitch: 6.2 mm, color: red

Protective conductor double-level terminal block - STTB 4-PE

3036039

<https://www.phoenixcontact.com/de/produkte/3036039>

Plug-in bridge

Plug-in bridge - FBS 4-6 - 3030255

<https://www.phoenixcontact.com/de/produkte/3030255>



Plug-in bridge, pitch: 6.2 mm, color: red

Plug-in bridge

Plug-in bridge - FBS 3-6 - 3030242

<https://www.phoenixcontact.com/de/produkte/3030242>



Plug-in bridge, pitch: 6.2 mm, color: red

Protective conductor double-level terminal block - STTB 4-PE

3036039

<https://www.phoenixcontact.com/de/produkte/3036039>

Plug-in bridge

Plug-in bridge - FBS 2-6 - 3030336

<https://www.phoenixcontact.com/de/produkte/3030336>



Plug-in bridge, pitch: 6.2 mm, color: red

Plug-in bridge

Plug-in bridge - FBS 50-6 - 3032224

<https://www.phoenixcontact.com/de/produkte/3032224>



Plug-in bridge, pitch: 6.2 mm, color: red

Protective conductor double-level terminal block - STTB 4-PE

3036039

<https://www.phoenixcontact.com/de/produkte/3036039>

Plug-in bridge

Plug-in bridge - FBSR 2-6 - 3033715

<https://www.phoenixcontact.com/de/produkte/3033715>



Plug-in bridge, pitch: 6.2 mm, color: red

Plug-in bridge

Plug-in bridge - FBSR 3-6 - 3001594

<https://www.phoenixcontact.com/de/produkte/3001594>



Plug-in bridge, pitch: 6.2 mm, color: red

Protective conductor double-level terminal block - STTB 4-PE

3036039

<https://www.phoenixcontact.com/de/produkte/3036039>

Plug-in bridge

Plug-in bridge - FBSR 4-6 - 3001595

<https://www.phoenixcontact.com/de/produkte/3001595>



Plug-in bridge, pitch: 6.2 mm, color: red

Plug-in bridge

Plug-in bridge - FBSR 5-6 - 3001596

<https://www.phoenixcontact.com/de/produkte/3001596>



Plug-in bridge, pitch: 6.2 mm, color: red

Protective conductor double-level terminal block - STTB 4-PE

3036039

<https://www.phoenixcontact.com/de/produkte/3036039>

Plug-in bridge

Plug-in bridge - FBSR 10-6 - 3033716

<https://www.phoenixcontact.com/de/produkte/3033716>

Plug-in bridge, pitch: 6.2 mm, color: red



Short-circuit connector

Short-circuit connector - FBSRH 2-6 - 3033812

<https://www.phoenixcontact.com/de/produkte/3033812>

Short-circuit connector, pitch: 6.2 mm, color: red



Protective conductor double-level terminal block - STTB 4-PE

3036039

<https://www.phoenixcontact.com/de/produkte/3036039>

Plug-in bridge

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

<https://www.phoenixcontact.com/de/produkte/3036932>



Plug-in bridge, pitch: 6.2 mm, color: blue

Plug-in bridge

Plug-in bridge - FBS 3-6 BU - 3036945

<https://www.phoenixcontact.com/de/produkte/3036945>



Plug-in bridge, pitch: 6.2 mm, color: blue

Protective conductor double-level terminal block - STTB 4-PE

3036039

<https://www.phoenixcontact.com/de/produkte/3036039>

Plug-in bridge

Plug-in bridge - FBS 4-6 BU - 3036958

<https://www.phoenixcontact.com/de/produkte/3036958>

Plug-in bridge, pitch: 6.2 mm, color: blue



Plug-in bridge

Plug-in bridge - FBS 5-6 BU - 3036961

<https://www.phoenixcontact.com/de/produkte/3036961>

Plug-in bridge, pitch: 6.2 mm, color: blue



Protective conductor double-level terminal block - STTB 4-PE

3036039

<https://www.phoenixcontact.com/de/produkte/3036039>

Plug-in bridge

Plug-in bridge - FBS 10-6 BU - 3032198

<https://www.phoenixcontact.com/de/produkte/3032198>

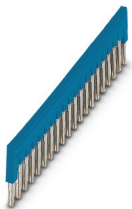


Plug-in bridge, pitch: 6.2 mm, color: blue

Plug-in bridge

Plug-in bridge - FBS 20-6 BU - 3032208

<https://www.phoenixcontact.com/de/produkte/3032208>



Plug-in bridge, pitch: 6.2 mm, color: blue

Protective conductor double-level terminal block - STTB 4-PE

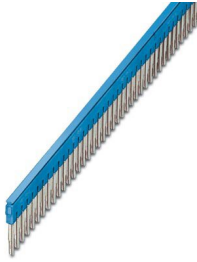
3036039

<https://www.phoenixcontact.com/de/produkte/3036039>

Plug-in bridge

Plug-in bridge - FBS 50-6 BU - 3032211

<https://www.phoenixcontact.com/de/produkte/3032211>



Plug-in bridge, pitch: 6.2 mm, color: blue

End cover

End cover - D-STTB 4 - 3030462

<https://www.phoenixcontact.com/de/produkte/3030462>



End cover, length: 83.5 mm, width: 2.2 mm, height: 39.7 mm, color: gray

Protective conductor double-level terminal block - STTB 4-PE

3036039

<https://www.phoenixcontact.com/de/produkte/3036039>

DIN rail perforated

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

<https://www.phoenixcontact.com/de/produkte/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)

Screwdriver

Screwdriver - SZF 1-0,6X3,5 - 1204517

<https://www.phoenixcontact.com/de/produkte/1204517>



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

Protective conductor double-level terminal block - STTB 4-PE

3036039

<https://www.phoenixcontact.com/de/produkte/3036039>

DIN rail, unperforated

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

<https://www.phoenixcontact.com/de/produkte/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)

Marker carriers

Marker carriers - STP 5-2 - 0800967

<https://www.phoenixcontact.com/de/produkte/0800967>



Double marker carrier, snaps onto the double-level spring-cage terminal block STTB 2,5, STTB 4, PTTB 2,5, PTTB 4 can be marked with UC-TM 5, ZB 5 or UC-TMF 5, ZBF 5

Protective conductor double-level terminal block - STTB 4-PE

3036039

<https://www.phoenixcontact.com/de/produkte/3036039>

DIN rail perforated

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

<https://www.phoenixcontact.com/de/produkte/1204119>



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

Mounting material

Mounting material - ST-IL - 3039900

<https://www.phoenixcontact.com/de/produkte/3039900>

Operating decal for the ST terminal block



Protective conductor double-level terminal block - STTB 4-PE

3036039

<https://www.phoenixcontact.com/de/produkte/3036039>

DIN rail, unperforated

DIN rail, unperforated - NS 35/ 7,5 WH UNPERF 2000MM-VPE 10 - 1204122

<https://www.phoenixcontact.com/de/produkte/1204122>



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

Actuation tool

Actuation tool - ST-BW - 1207608

<https://www.phoenixcontact.com/de/produkte/1207608>



Actuation tool, for all 2.5 mm² - 4.0 mm² spring-cages

Protective conductor double-level terminal block - STTB 4-PE

3036039

<https://www.phoenixcontact.com/de/produkte/3036039>

DIN rail, unperforated

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

<https://www.phoenixcontact.com/de/produkte/0801704>



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

DIN rail perforated

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

<https://www.phoenixcontact.com/de/produkte/1206421>



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

Protective conductor double-level terminal block - STTB 4-PE

3036039

<https://www.phoenixcontact.com/de/produkte/3036039>

DIN rail, unperforated

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

<https://www.phoenixcontact.com/de/produkte/1206434>



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

DIN rail, unperforated

DIN rail, unperforated - NS 35/ 7,5 CU UNPERF 2000MM-VPE 10 - 0801762

<https://www.phoenixcontact.com/de/produkte/0801762>



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

Protective conductor double-level terminal block - STTB 4-PE

3036039

<https://www.phoenixcontact.com/de/produkte/3036039>

End cap

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

<https://www.phoenixcontact.com/de/produkte/1206560>

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



Insulating sleeve

Insulating sleeve - ISH 4/0,5 - 3002885

<https://www.phoenixcontact.com/de/produkte/3002885>

Insulating sleeve, color: gray



Protective conductor double-level terminal block - STTB 4-PE

3036039

<https://www.phoenixcontact.com/de/produkte/3036039>

Insulating sleeve

Insulating sleeve - ISH 4/1,0 - 3002898

<https://www.phoenixcontact.com/de/produkte/3002898>



Insulating sleeve, color: black

Test plugs

Test plugs - PS-6 - 3030996

<https://www.phoenixcontact.com/de/produkte/3030996>



Test plugs, Modular test plug, color: red

Protective conductor double-level terminal block - STTB 4-PE

3036039

<https://www.phoenixcontact.com/de/produkte/3036039>

Test plugs

Test plugs - PS-6/2,3MM RD - 3038736

<https://www.phoenixcontact.com/de/produkte/3038736>

Test plugs, color: red



Test adapter

Test adapter - PAI-4-FIX-5/6 BU - 3035975

<https://www.phoenixcontact.com/de/produkte/3035975>

4 mm test adapter, for terminal blocks with 5.2 mm and 6.2 mm pitch



Protective conductor double-level terminal block - STTB 4-PE

3036039

<https://www.phoenixcontact.com/de/produkte/3036039>

Test adapter

Test adapter - PAI-4-FIX-5/6 OG - 3035974

<https://www.phoenixcontact.com/de/produkte/3035974>



4 mm test adapter, for terminal blocks with 5.2 mm and 6.2 mm pitch

Test adapter

Test adapter - PAI-4-FIX-5/6 YE - 3035977

<https://www.phoenixcontact.com/de/produkte/3035977>



4 mm test adapter, for terminal blocks with 5.2 mm and 6.2 mm pitch

Protective conductor double-level terminal block - STTB 4-PE

3036039

<https://www.phoenixcontact.com/de/produkte/3036039>

Test adapter

Test adapter - PAI-4-FIX-5/6 RD - 3035976

<https://www.phoenixcontact.com/de/produkte/3035976>



4 mm test adapter, for terminal blocks with 5.2 mm and 6.2 mm pitch

Test adapter

Test adapter - PAI-4-FIX-5/6 GN - 3035978

<https://www.phoenixcontact.com/de/produkte/3035978>



4 mm test adapter, for terminal blocks with 5.2 mm and 6.2 mm pitch

Protective conductor double-level terminal block - STTB 4-PE

3036039

<https://www.phoenixcontact.com/de/produkte/3036039>

Test adapter

Test adapter - PAI-4-FIX-5/6 BK - 3035980

<https://www.phoenixcontact.com/de/produkte/3035980>



4 mm test adapter, for terminal blocks with 5.2 mm and 6.2 mm pitch

Test adapter

Test adapter - PAI-4-FIX-5/6 GY - 3035982

<https://www.phoenixcontact.com/de/produkte/3035982>



4 mm test adapter, for terminal blocks with 5.2 mm and 6.2 mm pitch

Protective conductor double-level terminal block - STTB 4-PE

3036039

<https://www.phoenixcontact.com/de/produkte/3036039>

Test adapter

Test adapter - PAI-4-FIX-5/6 VT - 3035979

<https://www.phoenixcontact.com/de/produkte/3035979>



4 mm test adapter, for terminal blocks with 5.2 mm and 6.2 mm pitch

Test adapter

Test adapter - PAI-4-FIX-5/6 BN - 3035981

<https://www.phoenixcontact.com/de/produkte/3035981>



4 mm test adapter, for terminal blocks with 5.2 mm and 6.2 mm pitch

Protective conductor double-level terminal block - STTB 4-PE

3036039

<https://www.phoenixcontact.com/de/produkte/3036039>

Test adapter

Test adapter - PAI-4-FIX-5/6 WH - 3035983

<https://www.phoenixcontact.com/de/produkte/3035983>

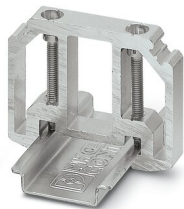


4 mm test adapter, for terminal blocks with 5.2 mm and 6.2 mm pitch

End clamp

End clamp - E/AL-NS 35 - 1201662

<https://www.phoenixcontact.com/de/produkte/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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