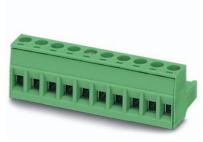
Order No.: 1757022

Type: MSTB 2,5/ 3-ST-5,08

Plug component, Screw connection with tension

sleeve



The figure shows a 10-position version of the product

1 Main features







3









No. of pos.

Conductor cross section 2.5 mm²
Color green
Pitch 5.08 mm

Connection method Screw connection with

Connection method Screw connection wit tension sleeve

Nominal currentNominal voltage

Connection direction

Type of packaging

12 A 320 V

0°

packed in cardboard

2 Your advantages

- Well-known connection principle allows worldwide use
- Low temperature rise, thanks to maximum contact force
- Allows connection of two conductors

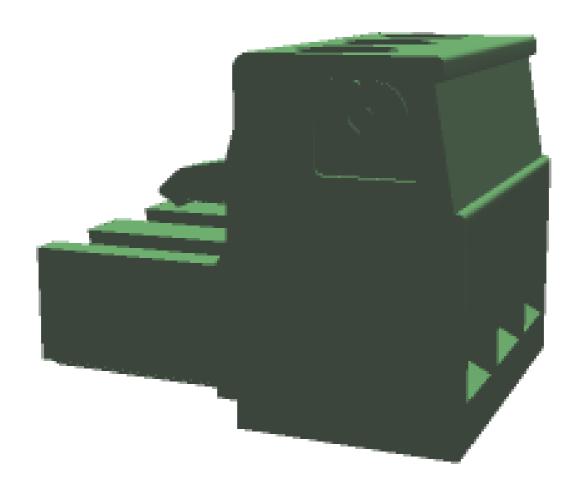


Make sure you always use the latest documentation.

It can be downloaded at: phoenixcontact.net/product/1757022



4 3D model in PDF can be activated (Acrobat Reader only)



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5 item properties

Order No.	1757022
Туре	MSTB 2,5/ 3-ST-5,08
Type of contact	Female connector
Range of articles	MSTB 2,5/ST
Pitch	5.08 mm
Number of positions	3
Connection method	Screw connection with tension sleeve
Drive form screw head	Slotted
Screw thread	M3
Tightening torque	0.5 Nm 0.6 Nm
Locking	without

5.1 Connection capacity

Conductor cross section, solid	0.2 mm ² to 2.5 mm ²
Conductor cross section, flexible	0.2 mm ² to 2.5 mm ²
Conductor cross section AWG/kcmil	24 to 12
2 conductors with same cross section, solid	0.2 mm ² to 1 mm ²
2 conductors with same cross section, stranded	0.2 mm ² to 1.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve	0.25 mm ² to 2.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve	0.25 mm ² to 2.5 mm ²
$2\mbox{conductors}$ with same cross section, stranded, with ferrule without plastic sleeve	0.25 mm ² to 1 mm ²
2 conductors with same cross section, stranded, with TWIN ferrules with plastic sleeve $$	0.5 mm² to 1.5 mm²
Cylindrical gauge a x b / diameter	2.8 mm x 2.4 mm / 2.5 mm
Stripping length	7 mm

5.2 Material data

Material of metal parts	
Note	WEEE/RoHS-compliant, whisker-free acc. to IEC 60068-2-82/JEDEC JESD 201
Contact material	Cu alloy
Terminal point surface	Sn 5 μm 7 μm
Surface contact area	Sn 5 μm 7 μm
Surface characteristics	hot-dip tin-plated
Insulating material data	Housing
Insulating material	PA
CTI according to IEC 60112	600
Flammability rating according to UL 94	V0
Color	green (6021)
Glow wire flammability index GWFI according to EN 60695-2-12	850
Glow wire ignition temperature GWIT according to EN 60695-2-13	775
Temperature for the ball pressure test according to EN 60695-10-2	125 °C

6 Dimensions

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6.1 Dimensions for the product

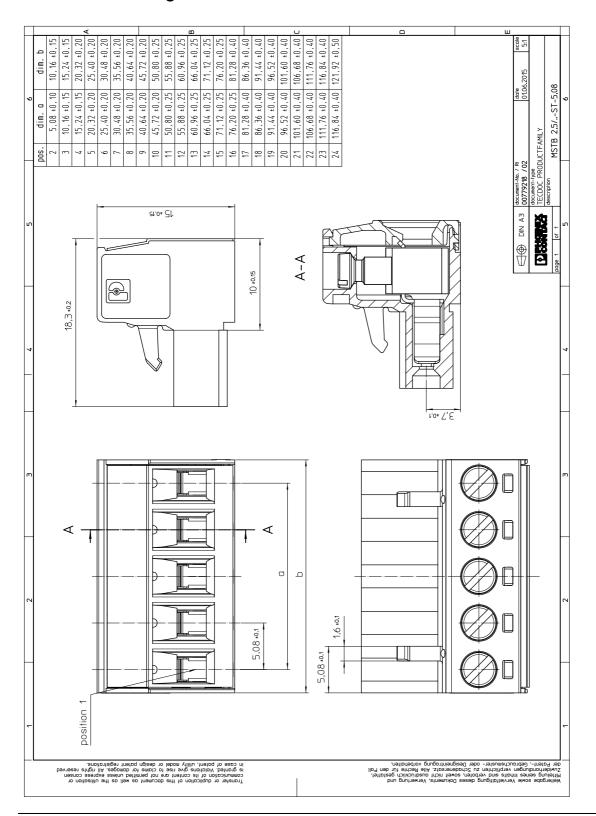
Length	18.3 mm
Width	15.24 mm
Total height	15 mm
Dimension a	10.16 mm

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7 Series drawing



8 Packaging information

Type of packaging	packed in cardboard
Pieces per package	100

9 Application

9.1 Temperature limit values

Ambient temperature (storage/transport)	-40 °C 70 °C
Ambient temperature (assembly)	-5 °C 100 °C
Ambient temperature (operation)	-40 °C (dependent on the derating curve)

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10 Mechanical tests

Specification IEC 61984:2008-10 Visual test Test passed Specification IEC 60512-1-1:2002-02 Dimensional test Test passed Specification IEC 60512-1-2:2002-02 Resistance of marking Test passed Specification IEC 60068-2-70:1995-12 Insertion and withdrawal force Test passed Specification IEC 60512-13-2:2006-02 No. of cycles 25 Insertion strength per pos. approx. 8 N Withdraw strength per pos. approx. 6 N Polarization and coding Test passed Specification IEC 60512-13-5:2006-02 Test force 20 N Contact retention in insert Test passed	Mechanical test group A	
Specification IEC 60512-1-1:2002-02 Dimensional test Test passed Specification IEC 60512-1-2:2002-02 Resistance of marking Test passed Specification IEC 60068-2-70:1995-12 Insertion and withdrawal force Test passed Specification IEC 60512-13-2:2006-02 No. of cycles Insertion strength per pos. approx. Withdraw strength per pos. approx. Withdraw strength per pos. approx. Folarization and coding Test passed Specification IEC 60512-13-5:2006-02 Test passed Specification IEC 60512-13-5:2006-02 Test passed Contact retention in insert Test passed	Specification	IEC 61984:2008-10
Dimensional test Specification IEC 60512-1-2:2002-02 Resistance of marking Test passed Specification IEC 60068-2-70:1995-12 Insertion and withdrawal force Specification IEC 60512-13-2:2006-02 No. of cycles Insertion strength per pos. approx. Withdraw strength per pos. approx. Withdraw strength per pos. approx. 6 N Polarization and coding Test passed Specification IEC 60512-13-5:2006-02 Test force 20 N Contact retention in insert Test passed	Visual test	Test passed
Specification IEC 60512-1-2:2002-02 Resistance of marking Test passed Specification IEC 60068-2-70:1995-12 Insertion and withdrawal force Test passed Specification IEC 60512-13-2:2006-02 No. of cycles 25 Insertion strength per pos. approx. 8 N Withdraw strength per pos. approx. 6 N Polarization and coding Test passed Specification IEC 60512-13-5:2006-02 Test force 20 N Contact retention in insert Test passed	Specification	IEC 60512-1-1:2002-02
Resistance of marking Specification IEC 60068-2-70:1995-12 Insertion and withdrawal force Specification IEC 60512-13-2:2006-02 No. of cycles Insertion strength per pos. approx. 8 N Withdraw strength per pos. approx. 6 N Polarization and coding Test passed Specification IEC 60512-13-5:2006-02 Test passed Specification IEC 60512-13-5:2006-02 Test force 20 N Contact retention in insert Test passed	Dimensional test	Test passed
Specification IEC 60068-2-70:1995-12 Insertion and withdrawal force Test passed Specification IEC 60512-13-2:2006-02 No. of cycles 25 Insertion strength per pos. approx. 8 N Withdraw strength per pos. approx. 6 N Polarization and coding Test passed Specification IEC 60512-13-5:2006-02 Test force 20 N Contact retention in insert Test passed	Specification	IEC 60512-1-2:2002-02
Insertion and withdrawal force Specification IEC 60512-13-2:2006-02 No. of cycles Insertion strength per pos. approx. 8 N Withdraw strength per pos. approx. 6 N Polarization and coding Test passed Specification IEC 60512-13-5:2006-02 Test force 20 N Contact retention in insert Test passed	Resistance of marking	Test passed
Specification IEC 60512-13-2:2006-02 No. of cycles 25 Insertion strength per pos. approx. 8 N Withdraw strength per pos. approx. 6 N Polarization and coding Test passed Specification IEC 60512-13-5:2006-02 Test force 20 N Contact retention in insert Test passed	Specification	IEC 60068-2-70:1995-12
No. of cycles Insertion strength per pos. approx. 8 N Withdraw strength per pos. approx. 6 N Polarization and coding Test passed Specification IEC 60512-13-5:2006-02 Test force 20 N Contact retention in insert Test passed	Insertion and withdrawal force	Test passed
Insertion strength per pos. approx. Withdraw strength per pos. approx. 6 N Polarization and coding Test passed Specification IEC 60512-13-5:2006-02 Test force 20 N Contact retention in insert Test passed	Specification	IEC 60512-13-2:2006-02
Withdraw strength per pos. approx. Polarization and coding Specification IEC 60512-13-5:2006-02 Test force 20 N Contact retention in insert Test passed	No. of cycles	25
Polarization and coding Test passed Specification IEC 60512-13-5:2006-02 Test force 20 N Contact retention in insert Test passed	Insertion strength per pos. approx.	8 N
Specification IEC 60512-13-5:2006-02 Test force 20 N Contact retention in insert Test passed	Withdraw strength per pos. approx.	6 N
Test force 20 N Contact retention in insert Test passed	Polarization and coding	Test passed
Contact retention in insert Test passed	Specification	IEC 60512-13-5:2006-02
	Test force	20 N
0 15 15	Contact retention in insert	Test passed
Specification IEC 60512-15-1:2008-05	Specification	IEC 60512-15-1:2008-05
Test force per pos. 27 N	Test force per pos.	27 N

10.1 Termination and connection method

Specification	IEC 60999-1:1999-11
Check for damage to conductor or loosening	Test passed

10.2 Pull-out test

Termination and connection method: pull-out test	
Specification	IEC 60999-1:1999-11
Result	Test passed
Conductor cross section/conductor type/tractive force actual value	$0.2 \text{ mm}^2/\text{solid}/>10 \text{ N}$
Conductor cross section/conductor type/tractive force actual value	0.2 mm ² / stranded / > 10 N
Conductor cross section/conductor type/tractive force actual value	$2.5 \text{ mm}^2/\text{solid}/>50 \text{ N}$
Conductor cross section/conductor type/tractive force actual value	2.5 mm ² / stranded / > 50 N
Conductor cross section/conductor type/tractive force actual value	AWG 12 / stranded / > 60 N

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11 Electrical tests

11.1 Electrical data

Rated current / conductor cross section	12 A / 2.5 mm ²
Rated insulation voltage (III/2)	320 V
Rated surge voltage (III/2)	4 kV
Contact resistance	1.3 mΩ
Degree of pollution	2

11.2 Air and creepage distances

Component	Plug component		
Specification	IEC 60664-1:2007-04		
Mains type	unearthed mains		
Insulating material group	I.		
Comparative tracking index (IEC 60112:2003-01)	CTI 600		
Rated insulation voltage	250 V	320 V	630 V
Rated surge voltage	4 kV	4 kV	4 kV
Degree of pollution	3	2	2
Overvoltage category	III	III	II
Minimum clearance case A (inhomogeneous field)	3 mm	3 mm	3 mm
Minimum value of the creepage path requirement in acc. with table	3.2 mm	3 mm	3.2 mm

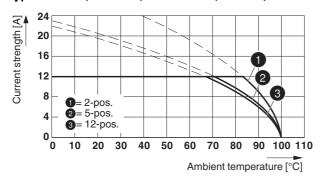
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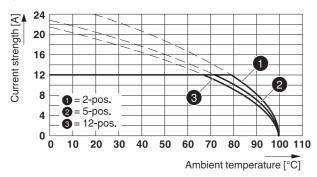
12 Current carrying capacity/derating curves

Specification	IEC 61984:2008-10
Note	Representation based on IEC 60512-5-2:2002-02
Reduction factor	0.8
Number of positions	See diagram
Conductor cross section	2.5 mm ²

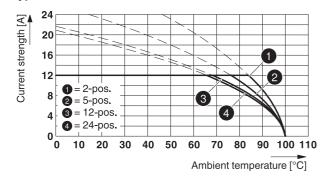
Type: MSTB 2,5/...-ST-5,08 with CC 2,5/...-G-5,08 P26THR



Type: MSTB 2,5/...-ST-5,08 with CCV 2,5/...-G-5,08 P26THR

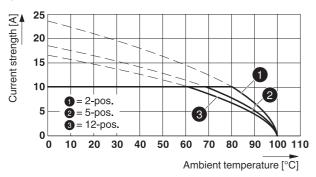


Type: MSTB 2,5/...-ST-5,08 with CCVA 2,5/...-G-5,08 P26THR

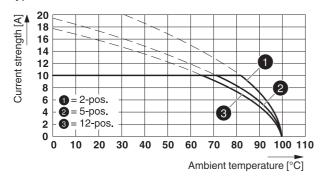


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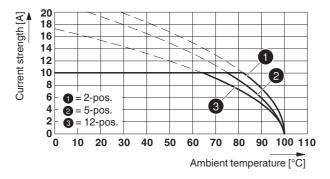
Type: MSTB 2,5/...-ST-5,08 with MDSTB 2,5/...-G-5,08



Type: MSTB 2,5/...-ST-5,08 with MDSTBA 2,5/...-G-5,08



Type: MSTB 2,5/...-ST-5,08 with MDSTBW 2,5/...-G-5,08

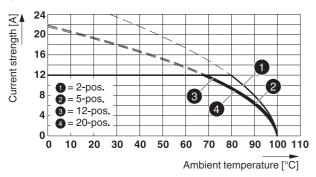


Type: MSTB 2,5/...-ST-5,08 with MDSTBV 2,5/...-G-5,08

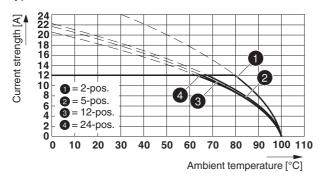
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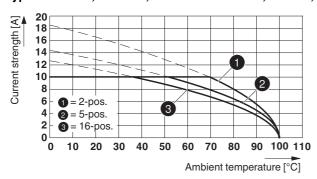
Type: MSTB 2,5/...-ST-5,08 with MVSTBU 2,5/...-GB-5,08



Type: MSTB 2,5/...-ST-5,08 with MSTB 2,5/...-G-5,08



Type: MSTBP 2,5/...-ST-5,08 with MDSTBVA 2,5/...-G-5,08



Type: MSTB 2,5/..-ST(-5,08) with EMSTBVA 2,5/...-G(-5,08)

86981_1000_en

Type: MSTB 2,5/...-ST-5,08 with MSTBW 2,5/...-G-5,08

Type: MSTB 2,5/...-ST-5,08 with MSTBVA 2,5/...-G-5,08

87454_1000_en

Type: MSTB 2,5/...-ST-5,08 with MSTBV 2,5/...-G-5,08

87683_1000_en

13 Environmental and durability tests

13.1 Vibration test

Specification	IEC 60068-2-6:2007-12
Result	Test passed
Frequency	10 - 150 - 10 Hz
Sweep speed	1 octave/min
Amplitude	0.35 mm (10 - 60.1 Hz)
Acceleration	5 g (60.1 - 150 Hz)
Test duration per axis	2.5 h
Test directions	X-, Y- and Z-axis

14 Classification for connectors

Specification	IEC 61984:2008-10
Main features	Connectors without switching capacity (COC)
Construction form	Fixed connectors
Strain relief elements	without strain relief
Connection method	Can be reconnected
Protection against electric shock	Not encapsulated - touch-proof when inserted
Protective conductor	without PE
Lock	no
Connection method	Screw terminal points

15 Approvals

CSA ©			
Use group	В	D	
mm²/AWG/kcmil	28-12	28-12	
Voltage	300 V	300 V	
Current	10 A	10 A	
VDE Gutachten mit Fertigungsüberwachung			
mm²/AWG/kcmil	0.2-2.5		
Voltage	250 V		
Current	12 A		
IECEE CB Scheme CB			
mm²/AWG/kcmil	0.2-2.5		
Voltage	250 V		
Current	12 A		
cULus Recognized ₽₩us			
Use group	В	D	
mm²/AWG/kcmil	30-12	30-12	
Voltage	300 V	150 V	
Current	15 A	15 A	

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16 Commercial Data

Order No.	1757022
Туре	MSTB 2,5/ 3-ST-5,08
Pieces per package	100
Net weight	5.153 g
GTIN	4017918029555
	Information that applies locally, see link on page 1
Country of origin	Information that applies locally, see link on page 1

17 corresponding headers

17 corresponding neaders	
Order No.	Туре
1735879	MSTBW 2,5/ 3-G-5,08
1736742	MDSTBV 2,5/ 3-G1-5,08
1755749	MSTBVA 2,5/ 3-G-5,08
1757255	MSTBA 2,5/ 3-G-5,08
1758021	MSTBV 2,5/ 3-G-5,08
1759020	MSTB 2,5/ 3-G-5,08
1762075	MDSTB 2,5/ 3-G-5,08
1762376	MDSTB 2,5/ 3-G1-5,08
1763087	MDSTBV 2,5/ 3-G-5,08
1767384	SMSTBA 2,5/ 3-G-5,08
1769476	SMSTB 2,5/ 3-G-5,08
1770957	MSTBA 2,5/ 3-G-5,08-LA
1802414	MDSTBW 2,5/ 3-G-5,08
1842076	MDSTBA 2,5/ 3-G-5,08
1845345	MDSTBVA 2,5/ 3-G-5,08
1847110	MSTBO 2,5/ 3-GR-5,08
1850440	MSTBO 2,5/ 3-GL-5,08
1859522	EMSTBVA 2,5/ 3-G-5,08
1874714	MDSTBA 2,5/ 3-GL-5,08
1874727	MDSTBA 2,5/ 3-GR-5,08
1874756	MDSTBVA 2,5/ 3-GL-5,08
1874769	MDSTBVA 2,5/ 3-GR-5,08
1880313	EMSTBA 2,5/ 3-G-5,08
1898842	DFK-MSTBA 2,5/ 3-G-5,08
1899142	DFK-MSTBVA 2,5/ 3-G-5,08
1902754	MSTBA 2,5/ 3-G-5,08 THT
1902822	MSTBVA 2,5/ 3-G-5,08 THT
1937240	MSTBA 2,5/ 3-G-5,08 THT-R32
1940428	MSTBVA 2,5/ 3-G-5,08 THT-R56
1954391	CC 2,5/ 3-G-5,08 P26THR
1954595	CC 2,5/ 3-G-5,08 P26THRR32
1954922	CCA 2,5/ 3-G-5,08 P26THR
1955044	CCA 2,5/ 3-G-5,08 P26THRR32
1955390	CCV 2,5/ 3-G-5,08 P26THR
1955536	CCV 2,5/ 3-G-5,08 P26THRR32
1955866	CCVA 2,5/ 3-G-5,08 P26THR
1955976	CCVA 2,5/ 3-G-5,08 P26THRR32

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18 Accessories

Description	Order No.	Туре
Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: $0.6x3.5x100$ mm, 2-component grip, with nonslip grip	1205053	SZS 0,6X3,5
	0804293	SK 5,08/3,8:FORTL.ZAHLEN
	1803947	KGG-MSTB 2,5/ 3
Coding profile, is inserted into the slot on the plug or inverted header, red insulating material $% \left(1\right) =\left(1\right) \left(1\right) +\left(1\right) +\left(1\right) \left(1\right) +\left(1\right) +\left($	1734634	CP-MSTB
	0803883	SK U/2,8 WH:UNBEDRUCKT
	0805108	SK 5,08/2,8:SO
Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm	1051993	B-STIFT

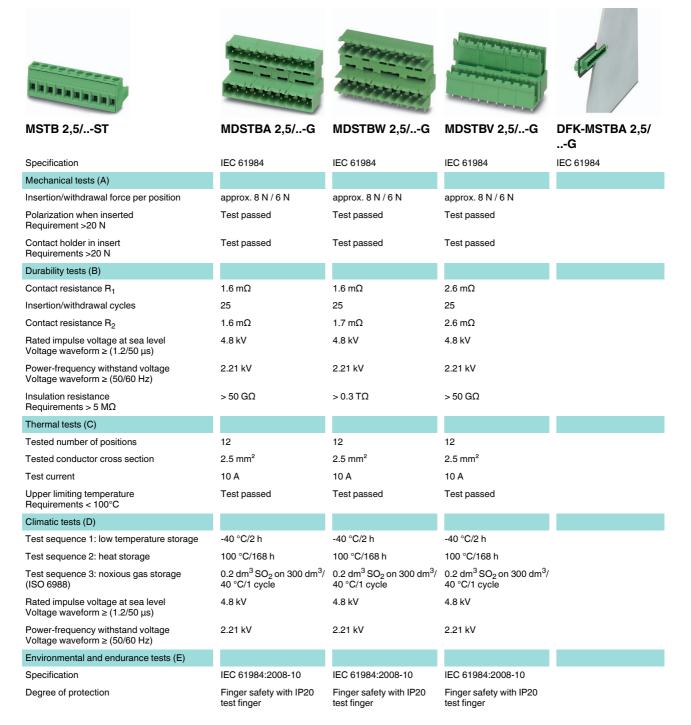
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19 Combination tests

	Managarana)			Herbert Horis
MSTB 2,5/ST	CC 2,5/G	CCV 2,5/G	CCVA 2,5/G	MDSTB 2,5/G
Specification	IEC 61984	IEC 61984	IEC 61984	IEC 61984
Mechanical tests (A)				
Insertion/withdrawal force per position	approx. 8 N / 6 N	approx. 8 N / 6 N	approx. 8 N / 6 N	approx. 8 N / 6 N
Polarization when inserted Requirement >20 N	Test passed	Test passed	Test passed	Test passed
Contact holder in insert Requirements >20 N	Test passed	Test passed	Test passed	Test passed
Durability tests (B)				
Contact resistance R ₁	1.3 mΩ	1.2 mΩ	1.3 mΩ	1.6 mΩ
Insertion/withdrawal cycles	25	25	25	25
Contact resistance R ₂	$1.4\ m\Omega$	1.2 mΩ	$1.4~\text{m}\Omega$	1.6 mΩ
Rated impulse voltage at sea level Voltage waveform \geq (1.2/50 μ s)	4.8 kV	4.8 kV	4.8 kV	4.8 kV
Power-frequency withstand voltage Voltage waveform ≥ (50/60 Hz)	2.21 kV	2.21 kV	2.21 kV	2.21 kV
Insulation resistance Requirements > 5 $M\Omega$	> 2 TΩ	> 0.1 TΩ	> 7.0 TΩ	> 0.1 TΩ
Thermal tests (C)				
Tested number of positions	12	12	24	12
Tested conductor cross section	2.5 mm ²	2.5 mm ²	2.5 mm ²	2.5 mm ²
Test current	12 A	12 A	12 A DC	10 A
Upper limiting temperature Requirements < 100°C	Test passed	Test passed	Test passed	Test passed
Climatic tests (D)				
Test sequence 1: low temperature storage	-40 °C/2 h	-40 °C/2 h	-40 °C/2 h	-40 °C/2 h
Test sequence 2: heat storage	100 °C/168 h	100 °C/168 h	100 °C/168 h	100 °C/168 h
Test sequence 3: noxious gas storage (ISO 6988)	$0.2~\rm dm^3~SO_2~on~300~\rm dm^3/$ $40~\rm ^{\circ}C/1~cycle$	$0.2~\rm dm^3~SO_2~on~300~\rm dm^3/$ $40~\rm ^{\circ}C/1~cycle$	$0.2~\rm dm^3SO_2on300dm^3/$ $40~\rm ^{\circ}C/1$ cycle	0.2 $\mathrm{dm^3}\mathrm{SO_2}\mathrm{on}300\mathrm{dm^3}/$ 40 °C/1 cycle
Rated impulse voltage at sea level Voltage waveform ≥ (1.2/50 μs)	4.8 kV	4.8 kV	4.8 kV	4.8 kV
Power-frequency withstand voltage Voltage waveform ≥ (50/60 Hz)	2.21 kV	2.21 kV	2.21 kV	2.21 kV
Environmental and endurance tests (E)				
Specification	IEC 61984:2008-10	IEC 61984:2008-10	IEC 61984:2008-10	IEC 61984:2008-10
Degree of protection	Finger safety with IP20 test finger	Finger safety with IP20 test finger	Finger safety with IP20 test finger	Finger safety with IP20 test finger

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		(bishabisha)		رام المرام المرام المرام المرام
MSTB 2,5/ST	MVSTBU 2,5/GB	MSTB 2,5/G	MDSTBVA 2,5/G	EMSTBVA 2,5/0
Specification	IEC 61984	IEC 61984	IEC 61984	DIN VDE 0627 (in parts
Mechanical tests (A)				
Insertion/withdrawal force per position	approx. 8 N / 6 N	approx. 8 N / 6 N	approx. 8 N / 6 N	approx. 5 N / 4 N
Polarization when inserted Requirement >20 N	Test passed	Test passed	Test passed	
Contact holder in insert Requirements >20 N	Test passed	Test passed	Test passed	
Durability tests (B)				
Contact resistance R ₁	1.9 mΩ	1.4 mΩ	2.5 mΩ	1.1 mΩ
Insertion/withdrawal cycles	25	25	25	100
Contact resistance R ₂	$2.2\text{m}\Omega$	1.4 mΩ	$2.5\ m\Omega$	$1.5\ m\Omega$
Rated impulse voltage at sea level Voltage waveform ≥ (1.2/50 μs)	4.8 kV	4.8 kV	4.8 kV	4.8 kV
Power-frequency withstand voltage Voltage waveform ≥ (50/60 Hz)	2.21 kV	2.21 kV	2.21 kV	2.21 kV
Insulation resistance Requirements > 5 M Ω	> 0.7 TΩ	> 0.3 TΩ	> 0.2 TΩ	> 8 TQ
Thermal tests (C)				
Tested number of positions	20	24	16	6
Tested conductor cross section	2.5 mm ²	2.5 mm ²	2.5 mm ²	2.5 mm ²
Test current	12 A	12 A	10 A	12 A
Upper limiting temperature Requirements < 100°C	Test passed	Test passed	Test passed	
Climatic tests (D)				
Test sequence 1: low temperature storage	-40 °C/2 h	-40 °C/2 h	-40 °C/2 h	-40 °C/2 h
Test sequence 2: heat storage	100 °C/168 h	100 °C/168 h	100 °C/168 h	100 °C/168 h
Test sequence 3: noxious gas storage (ISO 6988)	0.2 dm ³ SO ₂ on 300 dm ³ / 40 °C/1 cycle	0.2 dm ³ SO ₂ on 300 dm ³ / 40 °C/1 cycle	0.2 dm ³ SO ₂ on 300 dm ³ / 40 °C/1 cycle	0.2 dm ³ SO ₂ on 300 dm 40 °C/1 cycle
Rated impulse voltage at sea level Voltage waveform ≥ (1.2/50 μs)	4.8 kV	4.8 kV	4.8 kV	4.8 kV
Power-frequency withstand voltage Voltage waveform ≥ (50/60 Hz)	2.21 kV	2.21 kV	2.21 kV	2.21 kV
Environmental and endurance tests (E)				
Specification	IEC 61984:2008-10	IEC 61984:2008-10	IEC 61984:2008-10	IEC 61984:2008-10
Degree of protection	Finger safety with IP20 test finger	Finger safety with IP20 test finger	Finger safety with IP20 test finger	Finger safety with IP20 test finger

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2000		Addition .	-
A A A A A A A A A A	Markhaman	Pikki	D. D. D. D. D.
	Andronomy/	Philippin Paragrap	De
MSTB 2,5/ST	MSTBW 2,5/G	MSTBVA 2,5/G	MSTBV 2,5/G
Specification	IEC 61984	IEC 61984	IEC 61984
Mechanical tests (A)			
Insertion/withdrawal force per position	approx. 8 N / 6 N	approx. 8 N / 6 N	approx. 8 N / 6 N
Polarization when inserted Requirement >20 N	Test passed	Test passed	Test passed
Contact holder in insert Requirements >20 N	Test passed	Test passed	Test passed
Durability tests (B)			
Contact resistance R ₁	1.3 mΩ	2.4 mΩ	2.4 mΩ
nsertion/withdrawal cycles	25	25	25
Contact resistance R ₂	$1.3\text{m}\Omega$	$2.5\ m\Omega$	$2.4~\text{m}\Omega$
Rated impulse voltage at sea level /oltage waveform ≥ (1.2/50 µs)	4.8 kV	4.8 kV	4.8 kV
Power-frequency withstand voltage Voltage waveform ≥ (50/60 Hz)	2.21 kV	2.21 kV	2.21 kV
nsulation resistance Requirements > 5 $M\Omega$	> 0.2 TΩ	> 0.2 TΩ	> 0.2 TΩ
Thermal tests (C)			
ested number of positions	20	24	20
Tested conductor cross section	2.5 mm ²	2.5 mm ²	2.5 mm ²
Test current			12 A
Upper limiting temperature Requirements < 100°C	Test passed	Test passed	Test passed
Climatic tests (D)			
est sequence 1: low temperature storage	-40 °C/2 h	-40 °C/2 h	-40 °C/2 h
Fest sequence 2: heat storage	100 °C/168 h	100 °C/168 h	100 °C/168 h
Test sequence 3: noxious gas storage (ISO 6988)	$0.2\mathrm{dm^3SO_2}$ on 300 $\mathrm{dm^3/}$ 40 °C/1 cycle	$0.2~\rm dm^3SO_2on300dm^3/$ $40~\rm ^{\circ}C/1$ cycle	$0.2~{\rm dm^3SO_2on300dm^3/}\ 40~{\rm ^{\circ}C/1cycle}$
Rated impulse voltage at sea level Voltage waveform ≥ (1.2/50 µs)	4.8 kV	4.8 kV	4.8 kV
Power-frequency withstand voltage Voltage waveform ≥ (50/60 Hz)	2.21 kV	2.21 kV	2.21 kV
Environmental and endurance tests (E)			
Specification	IEC 61984:2008-10	IEC 61984:2008-10	IEC 61984:2008-10
Degree of protection	Finger safety with IP20 test finger	Finger safety with IP20 test finger	Finger safety with IP20 test finger