

Test-disconnect terminals PTK



Test-disconnect terminals are mostly used in the sectors of electricity generation and supply. They are tailored to the variety of switching demands for current-converter secondary circuits that predominate in these sectors. Current transformers must always have a secondary circuit when electricity meters and measuring instruments are being replaced, or when making comparative measurements.

CONTA-CLIP test-disconnect terminals are available in the following three basic versions, each with or without a pre-assembled socket plug.

All versions provide touch-safe protection according to **VBG 4**. A captive sliding partition is used to separate the current and voltage paths. The switch position is always easy to detect since the disconnect screw has a yellow insulating sleeve.

The **STB 14/4** sockets plugs for a test pick-off can be attached to all versions using the **PS 4** test plug.



Test-disconnect terminals PTK

The features in detail

Cross-switches QVS

The **VH 19** connecting sleeves and the **BS 25** screws or the **STB 35** socket plugs are required for fastening the **QVS** cross-switch bridge. The screws and socket plugs are available with or without coloured labelling.

Cross-switches QSB

The **QSBs** are positioned inside of the terminal block combination. They establish contact over the sliding partition.

Socket plugs STB 35

The **STB 35** socket plugs are used in the test-disconnect terminals for holding the **PS 4** test plug or the **KSS 2-8** short-circuit plug. The **STB 35** socket plugs can also be used when you need to test at the same time that a **QVS** is attached.

Socket plugs STB 14/4

The **STB 14/4** socket plugs can be screwed into the cross-connection channel. They are used to hold the **PS 4** test plugs or the **KSS 2-8** short-circuit plugs.

Test plug PS 4

The **PS 4** test plugs are used for the final testing of already-wired test circuits.

Short-circuit plug KSS 2-8

A cross-connection between two PTK terminals can be established with the **KSS 2-8** short-circuit plug.



Test-disconnect terminals PTK

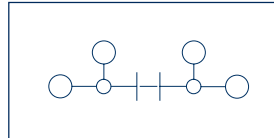
Screw connection system



- Foot can be snapped on TS 32 and TS 35 DIN rails
- Housing made from polyamide 6.6 UL 94-V2

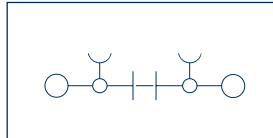
Connection diagram

PTK 10/LT



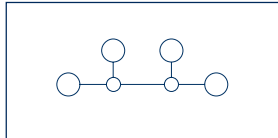
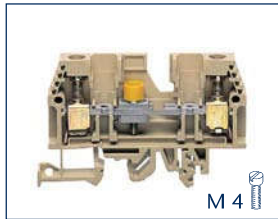
Disconnect terminal
2 connections

PTK 10/LT/STB



Disconnect terminal
2 connections

PTK 10/QT



Disconnect terminal
2 connections

Connection type

Size (L x W x H) mm with TS 32 mm

Size (L x W x H) mm with TS 35 x 7.5 mm

Type

Type colour

Cat. no.

Type colour

Cat. no.

Type colour

Cat. no.

Type colour

Cat. no.

Type/colour

Cat. no.

Colours available

Rated specifications acc. to

Rated voltage, V

Rated current, A

Rated wire cross-section, mm² | AWG

Rated impulse voltage, kV | Contamination degree

Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94

Connection data

Single wire (solid) / Stranded mm²

Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²

Contact wire range, mm²

Stripping length, mm

Torque, Nm | Screw

Special connection, mm

Features

Material of insulated housing | Temperature range

Number of cross-connection channels | Test pick-off

Accessories

End plate AP

Cat. no.

Insulation plate TRS

Cat. no.

Test plug PS

Cat. no.

Cross-switch bridge QSB

Cat. no.

Cross-switch bridge QSB

Cat. no.

Insulated cross-connection QI

Cat. no.

Insulated cross-connection QI

Cat. no.

Insulated cross-connection QI

Cat. no.

Connecting sleeve VH

Cat. no.

Short-circuit plug KSS

Cat. no.

End stop ES

Cat. no.

Screwdriver SDB

Cat. no.

Quick marking PMC SB

Cat. no.

Screw connection

72 x 8 x 51.5

72 x 8 x 47

Qty.

PTK 10/LT BG

1130.2

50

Screw connection

72 x 8 x 51.5

72 x 8 x 47

Qty.

PTK 10/LT/STB BG ¹⁾

1131.2

50

Screw connection

72 x 8 x 51.5

72 x 8 x 47

Qty.

PTK 10/QT BG

1132.2

100

IEC CSAus CSA

400 600 600

10 45 45

4 | 22-8

4 | 3

A5 | V2

0.2-10 | -

0.2-10 | 0.2-10

0.2-10

12

1.2-2.0 | Slotted M 4

-

PA 6.6 | -40 to +105°C

2 | -

Page Qty.

AP/L/Q/D BG

278 20

TRS 1 BG

2003.2 316 100

PS 4

2051.0 317 20

QI 2 YE

2750.2 289 50

QI 3 YE

2751.2 289 50

QI 4 YE

2752.2 289 50

QI 10 YE

2753.2 289 50

VH 19

2238.0 327 50

KSS 2-8

2886.0 327 10

ES 35/K/ST BG

2828.0 274 50

SDB 0,8x4,0

1087.0 422 1

PMC SB 8/40 WH

9323.7 342 400

IEC CSAus CSA

400 600 600

10 45 45

4 | 22-8

4 | 3

A5 | V2

0.2-10 | -

0.2-10 | 0.2-10

0.2-10

12

1.2-2.0 | Slotted M 4

2 x test sockets, 4 mm

PA 6.6 | -40 to +105°C

- | 2

Page Qty.

AP/L/Q/D BG

278 20

TRS 1 BG

2003.2 316 100

PS 4

2051.0 317 20

QSB 2

2783.0 327 20

QSB 3

2784.0 327 20

QSB 4

2785.0 327 20

QI 2 YE

2750.2 289 50

QI 3 YE

2751.2 289 50

QI 4 YE

2752.2 289 50

QI 10 YE

2753.2 289 50

VH 19

2238.0 327 50

KSS 2-8

2886.0 327 10

ES 35/K/ST BG

2828.0 274 50

SDB 0,8x4,0

1087.0 422 1

PMC SB 8/40 WH

9323.7 342 400

IEC CSAus CSA

400 600 600

10 45 45

4 | 22-8

4 | 3

A5 | V2

0.2-10 | -

0.2-10 | 0.2-10

0.2-10

12

1.2-2.0 | Slotted M 4

-

PA 6.6 | -40 to +105°C

2 | -

Page Qty.

AP/L/Q/D BG

278 20

TRS 1 BG

2003.2 316 100

PS 4

2051.0 317 20

QSB 2

2783.0 327 20

QSB 3

2784.0 327 20

QSB 4

2785.0 327 20

QI 2 YE

2750.2 289 50

QI 3 YE

2751.2 289 50

QI 4 YE

2752.2 289 50

QI 10 YE

2753.2 289 50

VH 19

2238.0 327 50

KSS 2-8

2886.0 327 10

ES 35/K/ST BG



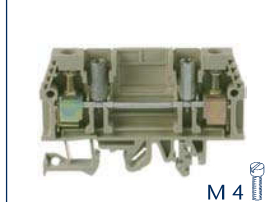



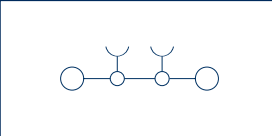
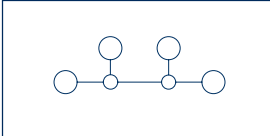
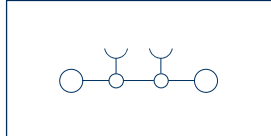
2828.0 274 50

SDB 0,8x4,0

1087.0 422 1

PMC SB 8/40 WH

9323.7 342 400

PTK 10/QT/STB			PTK 10/DU			PTK 10/DU/STB				
										
M 4 			M 4 			M 4 				
										
Disconnect terminal 2 connections			Disconnect terminal 2 connections			Disconnect terminal 2 connections				
Screw connection 72 x 8 x 51.5 72 x 8 x 47			Screw connection 72 x 8 x 51.5 72 x 8 x 47			Screw connection 72 x 8 x 51.5 72 x 8 x 47				
Qty.			Qty.			Qty.				
PTK 10/QT/STB BG ¹⁾ 1133.2 50			PTK 10/DU BG 1134.2 50			PTK 10/DU/STB BG ¹⁾ 1135.2 50				
IEC	CSAus	CSA	IEC	CSAus	CSA	IEC	CSAus	CSA		
400	600	600	400	600	600	400	600	600		
10	45	45	10	45	45	10	45	45		
4 22-8			4 22-8			4 22-8				
4 3			4 3			4 3				
A5 V2			A5 V2			A5 V2				
0.2-10 -			0.2-10 -			0.2-10 -				
0.2-10 0.2-10			0.2-10 0.2-10			0.2-10 0.2-10				
0.2-10			0.2-10			0.2-10				
12			12			12				
1.2-2.0 Slotted M 4			1.2-2.0 Slotted M 4			1.2-2.0 Slotted M 4				
2 x test sockets, 4 mm			-			2 x test sockets, 4 mm				
PA 6.6 -40 to +105°C			PA 6.6 -40 to +105°C			PA 6.6 -40 to +105°C				
- 2			2 -			- 2				
Page Qty.			Page Qty.			Page Qty.				
AP/L/Q/D BG 2782.2 278 20			AP/L/Q/D BG 2782.2 278 20			AP/L/Q/D BG 2782.2 278 20				
TRS 1 BG 2003.2 316 100			TRS 1 BG 2003.2 316 100			TRS 1 BG 2003.2 316 100				
PS 4 2051.0 317 20			PS 4 2051.0 317 20			PS 4 2051.0 317 20				
QSB 2 2783.0 327 20										
QSB 3 2784.0 327 20										
QSB 4 2785.0 327 20										
			QI 2 YE 2750.2 289 50							
			QI 3 YE 2751.2 289 50							
			QI 4 YE 2752.2 289 50							
			QI 10 YE 2753.2 289 50							
			VH 19 2238.0 327 50							
KSS 2-8 2886.0 327 10			KSS 2-8 2886.0 327 10			KSS 2-8 2886.0 327 10				
ES 35/K/ST BG 2828.0 274 50			ES 35/K/ST BG 2828.0 274 50			ES 35/K/ST BG 2828.0 274 50				
SDB 0,8x4,0 1087.0 422 1			SDB 0,8x4,0 1087.0 422 1			SDB 0,8x4,0 1087.0 422 1				
PMC SB 8/40 WH 9323.7 342 400			PMC SB 8/40 WH 9323.7 342 400			PMC SB 8/40 WH 9323.7 342 400				

1) with socket plug