

# Fast Connection Knife/Disconnect Terminal Blocks QUICKON-QTC

## Disconnect and Component Plugs

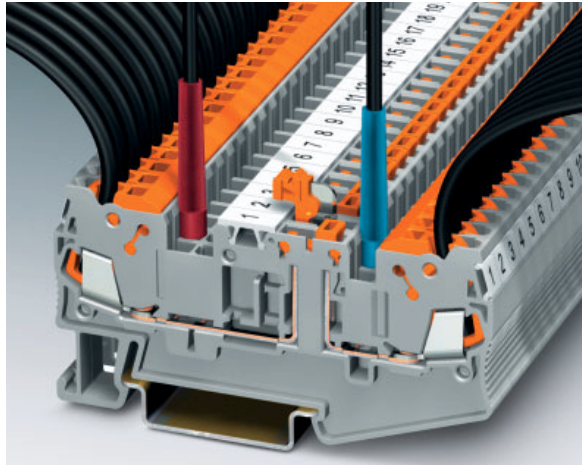
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Feed-through terminals with disconnect option are a standard in state-of-the-art control technology. QTC 1,5-TG and ...-MT are characterized by a width of just 5.2 mm and a current carrying capacity of 16 A. As a particular feature, both terminal blocks have three jumper channels: Two in the same position as in the entire QTC and ST series, and one on the other side of the disconnect point.

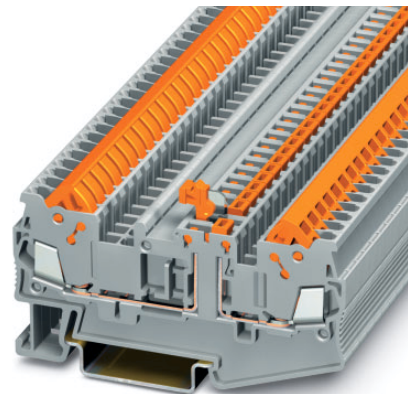
The knife disconnect terminal block QTC 1,5-MT has an integrated blade. In the case of the disconnect terminal block QTC 1,5-TG the disconnect plug P-DI and the component plug P-CO can be used.

The disconnect plug P-DI can be used in all base disconnect terminal blocks of the QTC 1,5-TG, ST 2,5...-TG and STS 2,5-TG series. The current carrying capacity is 16 A. Following disconnection, the P-DI can be "parked" back to front in the base terminal block.

The P-CO component plug can also be used in the universal disconnect zone of all base terminal blocks of the above-mentioned series.










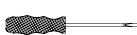

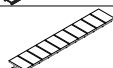
# Fast Connection Knife Disconnect Terminal Block QTC 1,5-MT



(IEC) [mm <sup>2</sup> ]	rigid solid	flexible stranded	AWG	I [A]	U [V]
Connection data	0.25-1.5 <sup>1)</sup>	0.25-1.5 <sup>1)</sup>	24-16 <sup>1)</sup>	16	400

<sup>1)</sup> See below under "Technical data".

## Technical data

<b>Terminal block</b> , for mounting on 	gray	terminal width 5.2	
(1) <b>End cover</b>	gray		
(2) <b>End cover segment</b> , serves for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned	gray		
(3) <b>Plug-in bridge</b> , for cross-connections in the terminal center, color: red		2-pos. 3-pos. 4-pos. 5-pos. 10-pos. 20-pos.	
(4) <b>Partition plate</b> , for visual and electrical separation of terminal groups, 2 mm thick			
(5) <b>Test adapter</b> , for 4 mm Ø test plug PS and 4 mm Ø safety test plugs, making contact in the bridge shaft			
(6) <b>2.3 mm Ø test plug <sup>1)</sup></b> , consisting of metal part and red insulating sleeve			
(7) <b>Modular test plug</b> , can be labeled with ZBF 5			
(8) <b>Double marker carrier</b> , snaps into QTC fast connection terminal blocks, can be labeled with ZB 5 and ZBF 5	gray		
(9) <b>Screwdriver</b> , for actuating the tension spring			
(10) <b>Zack strip</b> , flat, for center and external labeling	white		
(11) <b>Zack strip</b> , 10-section, for center labeling	white		

### Dimensions

Width / length / end cover width	[mm]
Height (NS 35/7,5 / NS 35/15)	[mm]

### Technical data in accordance with IEC/ DIN VDE

Maximum load current / cross section	[A] / [mm <sup>2</sup> ]
Rated surge voltage / contamination class	[kV] / -
Surge voltage category / insulation material group	- / -

### Connection capacity

Core insulation		
Single/multi/fine strand	H05V-U/R/K // H07V-U/R/K	[mm <sup>2</sup> ]
Halogen-free	H05Z-U/R/K // H07Z-U/R/K	[mm <sup>2</sup> ]
Fine strand/superfine strand	(litz wires Ø ≥ 0.1 mm)	[mm <sup>2</sup> ]
	(litz wires Ø ≥ 0.19 mm)	AWG

### Circuitry

min. 100x same cross section	[mm <sup>2</sup> ]
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### Insulating material

Inflammability class in acc. with UL 94	
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### Approval data (UL and CSA/CUL)

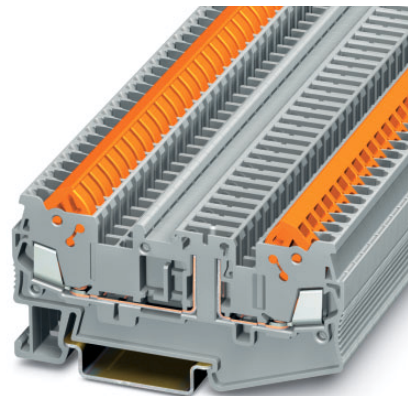
Nominal voltage / current / conductor sizes	UL: [V] / [A] / AWG
	CSA/CUL: [V] / [A] / AWG

<sup>1)</sup> Further colors are available on request.

<sup>2)</sup> Further types of insulation on request.











Type	Order No.	Pcs. Pkt.
QTC 1,5-MT	32 05 10 3	50
D-QTC 1,5-TWIN	32 05 19 0	50
DS-QTC 1,5	32 05 20 0	50
FBS 2-5	$I_{max.}: 24 \text{ A}$ 30 30 16 1	50
FBS 3-5	24 A 30 30 17 4	50
FBS 4-5	24 A 30 30 18 7	50
FBS 5-5	24 A 30 30 19 0	50
FBS 10-5	24 A 30 30 21 3	10
FBS 20-5	24 A 30 30 22 6	10
ATP-QTC TWIN	32 06 21 2	50
PAI 4	30 30 92 5	10
MPS-IH RD	02 01 67 6	10
PS-5	30 30 98 3	10
STP 5-2-ZB	30 37 64 3	100
SZF 1 - 0,6 x 3,5	12 04 51 7	10
ZBF 5:UNBEDRUCKT	08 08 64 2	10
ZB 5:UNBEDRUCKT	10 50 00 4	10
	5.2 / 76.4 / 2.2	
	39.3 / 46.8	
	16 / 1.5	
	6 / 3	
	III / I	
	PVC / PE <sup>2)</sup>	
	0.5-1.0 // 1.5	
	0.5-1.0 // 1.5	
	0.25 - 0.34	
	24-16	
	0.25-1.5	
	PA	
	V0	
	applied for	
	applied for	

# Fast Connection Disconnect Terminal Block QTC 1,5-TG



(IEC) [mm <sup>2</sup> ]	rigid solid	flexible stranded	AWG	I [A]	U [V]
Connection data	0.25-1.5 <sup>1)</sup>	0.25-1.5 <sup>1)</sup>	24-16 <sup>1)</sup>	16*	400*
<sup>1)</sup> See below under "Technical data".					
* Current and voltage are determined by the plug used.					

## Technical data

<b>Terminal block</b> , for mounting on 	gray	terminal width 5.2	
(1) <b>End cover</b>	gray		
(2) <b>End cover segment</b> , serves for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned	gray		
(3) <b>Plug-in bridge</b> , for cross-connections in the terminal center, color: red		2-pos. 3-pos. 4-pos. 5-pos. 10-pos. 20-pos.	
(4) <b>Partition plate</b> , for visual and electrical separation of terminal groups, 2 mm thick			
(5) <b>Test adapter</b> , for 4 mm Ø test plug PS and 4 mm Ø safety test plugs, making contact in the bridge shaft			
(6) <b>2.3 mm Ø test plug <sup>1)</sup></b> , consisting of metal part and red insulating sleeve			
(7) <b>Modular test plug</b> , can be labeled with ZBF 5			
(8) <b>Disconnect plug</b> ,	orange		
(9) <b>Component plug</b> , can be labeled with ZBF 5	gray		
(8) <b>Double marker carrier</b> , snaps into QTC fast connection terminal blocks, can be labeled with ZB 5 and ZBF 5	gray		
(9) <b>Screwdriver</b> , for actuating the tension spring			
(10) <b>Zack strip</b> , flat, for center and external labeling	white		
(11) <b>Zack strip</b> , 10-section, for center labeling	white		

### Dimensions

Width / length / end cover width	[mm]
Height (NS 35/7,5 / NS 35/15)	[mm]

### Technical data in accordance with IEC/ DIN VDE

Maximum load current / cross section	[A] / [mm <sup>2</sup> ]
Rated surge voltage / contamination class	[kV] / -
Surge voltage category / insulation material group	- / -

### Connection capacity

Core insulation		
Single/multi/fine strand	H05V-U/R/K // H07V-U/R/K	[mm <sup>2</sup> ]
Halogen-free	H05Z-U/R/K // H07Z-U/R/K	[mm <sup>2</sup> ]
Fine strand/superfine strand	(litz wires Ø ≥ 0.1 mm)	[mm <sup>2</sup> ]
	(litz wires Ø ≥ 0.19 mm)	AWG

### Circuitry

min. 100x same cross section	[mm <sup>2</sup> ]
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### Insulating material

Inflammability class in acc. with UL 94	
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### Approval data (UL and CSA/CUL)

Nominal voltage / current / conductor sizes	UL: [V] / [A] / AWG
	CSA/CUL: [V] / [A] / AWG

<sup>1)</sup> Further colors are available on request.

<sup>2)</sup> Further types of insulation on request.

Type	Order No.	Pcs. Pkt.
QTC 1,5-TG	32 05 14 5	50
D-QTC 1,5-TWIN	32 05 19 0	50
DS-QTC 1,5	32 05 20 0	50
FBS 2-5	$I_{max.}: 24 \text{ A}$ 30 30 16 1	50
FBS 3-5	24 A 30 30 17 4	50
FBS 4-5	24 A 30 30 18 7	50
FBS 5-5	24 A 30 30 19 0	50
FBS 10-5	24 A 30 30 21 3	10
FBS 20-5	24 A 30 30 22 6	10
ATP-QTC TWIN	32 06 21 2	50
PAI 4	30 30 92 5	10
MPS-IH RD	02 01 67 6	10
PS-5	30 30 98 3	10
P-DI	$I_{max.}: 16 \text{ A}$ 30 36 78 3	50
P-CO	$I_{max.}: 6 \text{ A}^3)$ 30 36 79 6	10
STP 5-2-ZB	30 37 64 3	100
SZF 1 - 0,6 x 3,5	12 04 51 7	10
ZBF 5:UNBEDRUCKT	08 08 64 2	10
ZB 5:UNBEDRUCKT	10 50 00 4	10

5.2 / 76.4 / 2.2

39.3 / 46.8

16 / 1.5

6 / 3

III / I

PVC / PE <sup>2)</sup>

0.5-1.0 // 1.5

0.5-1.0 // 1.5

0.25 - 0.34

24-16

0.25-1.5

PA

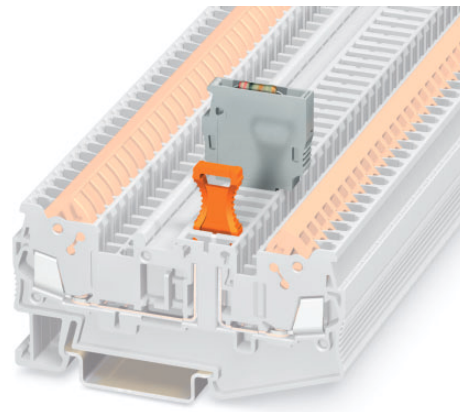
V0

applied for


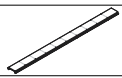
applied for

<sup>3)</sup> Dependent on the power loss of the components. Max. 1 W with single arrangement.

# Disconnect and Component Plugs



## Technical data

<b>Disconnect plug,</b>	orange
<b>Component plug</b>	gray
(1) <b>Screwdriver</b> , for actuating the tension spring	
(2) <b>Zack strip</b> , flat, for labeling the component connector	white 
Insulating material	
Inflammability class in acc. with UL 94	
<b>Dimensions P-CO</b>	
Height / Width	[mm]
1) Dependent on the power loss of the components. Max. 1 W with single arrangement.	

Type		Order No.	Pcs. Pkt.
P-DI	$I_{max.}: 16\text{ A}$	30 36 78 5	50
P-CO	$I_{max.}: 6\text{ A}^{1)}$	30 36 79 6	10
SZF 1 - 0,6 x 3,5		12 04 51 7	10
ZBF 5:UNBEDRUCKT		08 08 64 2	10
ZB 5:UNBEDRUCKT		10 50 00 4	10
		PA	
		V0	
		21.2 / 24.2	