

## Fast Connection Feed-Through Terminal Blocks QUICKON-QTC

A major feature of the QUICKON feed-through terminal blocks QTC 1,5 is their compact design.

The clear and space-saving front connection of the QTC series offers additional space for wiring between the cable ducts.

The dual jumper channel not only allows individual chain bridging, but also reduction bridging from the standard ST 2,5 to ST 35 terminal blocks. Potential supply and distribution is easily implemented in this way using RB ST... adapter bridges.

A special feature of the compact double-level version QTTCB 1,5 is the dual jumper channel for each level. This feature allows simultaneous bridging and testing.

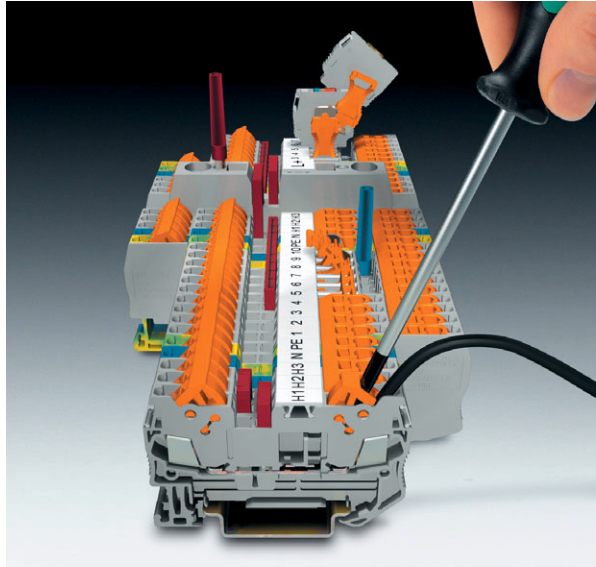
The ground terminal blocks with the same shape and pitch as QTC ... and QTTCB terminal blocks round off the range.

Correct mechanic and electrical contacting is guaranteed by simply snapping the terminal block onto the DIN rail.

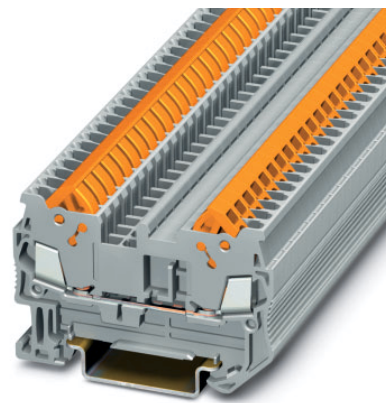
The QTC ... and QTTCB... ground terminal blocks fulfill all requirements of IEC 60 947-7-2.

These are in particular:

- Low contact resistances,
- Corrosion-proof terminal points and PE feet,
- Green-yellow housing and
- Additional options for marking.




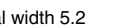






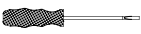


# Fast Connection Feed-Through Terminal Block QTC 1,5



(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>	17.5	800

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

## Technical data

<b>Terminal block</b> , for mounting on 	gray blue	terminal width 5.2	
(1) <b>End cover</b>	gray		
(2) <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.		
(3) <b>Adapter bridge</b> , for connecting an ST... to QTC 1,5...			
(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</b> <sup>2)</sup> , 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 fast connection			
(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]	5.2 / 58.8 / 2.2
Height (NS 35/7,5 / NS 35/15)	[mm]	39.3 / 46.8

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

Maximum load current / cross section	[A] / [mm <sup>2</sup> ]	17.5 / 1.5
Rated surge voltage / contamination class	[kV] / -	8 / 3
Surge voltage category / insulation material group	- / -	III / I

### Connection capacity

Core insulation		PVC / PE <sup>3)</sup>
Single/multi/fine strand	H05V-U/R/K // H07V-U/R/K	0.5-1.0 // 1.5
Halogen-free	H05Z-U/R/K // H07Z-U/R/K	0.5-1.0 // 1.5
Fine strand/superfine strand	(litz wires Ø ≥ 0.1 mm)	0.25 - 0.34
	(litz wires Ø ≥ 0.19 mm)	24-16

### Circuitry

min. 100x same cross section	[mm <sup>2</sup> ]	0.25-1.5
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### Insulating material

Inflammability class in acc. with UL 94		PA V0
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### Approval data (UL and CSA/CUL)

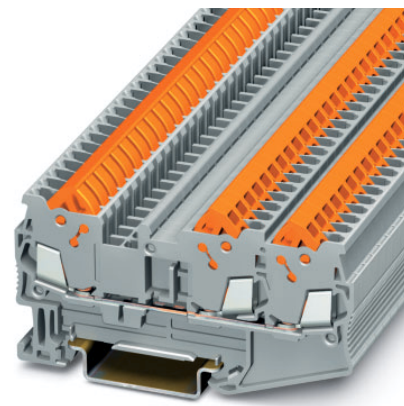
Nominal voltage / current / conductor sizes	UL: [V] / [A] / AWG	applied for
	CSA/CUL: [V] / [A] / AWG	applied for

<sup>2)</sup> Further colors are available on request.

<sup>3)</sup> Further types of insulation on request.










Type	Order No.	Pcs. Pkt.
QTC 1,5	32 05 01 9	50
QTC 1,5 BU	32 05 02 2	50
D-QTC 1,5	32 05 16 1	50
FBS 2-5	I <sub>max.</sub> : 24 A	30 30 16 1
FBS 3-5		30 30 17 4
FBS 4-5		30 30 18 7
FBS 5-5		30 30 19 0
FBS 10-5		30 30 21 3
FBS 20-5		30 30 22 6
RB ST 6-(2,5/4)	30 30 86 0	50
ATP-QTC	32 06 20 9	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

# Fast Connection Feed-Through Terminal Block QTC 1,5-TWIN



(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>	17.5*	800
<sup>1)</sup> See below under "Technical data".					
* The max. load current must not be exceeded by the total current of all connected conductors.					

## Technical data

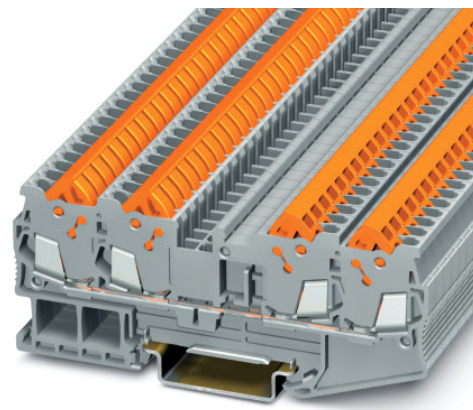
Terminal block, for mounting on 	gray blue	terminal width 5.2
(1) End cover	gray	
(2) End cover segment, serves for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned	gray	
(3) Plug-in bridge, for cross-connections in the terminal center, color: red	2-pos. 3-pos. 4-pos. 5-pos. 10-pos. 20-pos.	
(4) Adapter bridge, for connecting an ST... to QTC 1,5...		
(5) Partition plate, for visual and electrical separation of terminal groups, 2 mm thick		
(6) Test adapter, for 4 mm Ø test plug PS and 4 mm Ø safety test plugs, making contact in the bridge shaft		
(7) 2.3 mm Ø test plug <sup>2)</sup> , consisting of metal part and red insulating sleeve		
(8) Modular test plug, can be labeled with ZBF 5		
(9) Double marker carrier, snaps into QTC fast connection terminal blocks, can be labeled with ZB 5 and ZBF 5	gray	
(10) Screwdriver, for actuating the fast connection		
(11) Zack strip, flat, for center and external labeling	white	
(12) Zack strip, 10-section, for center labeling	white	
<b>Dimensions</b>		
Width / length / end cover width	[mm]	5.2 / 76.4 / 2.2
Height (NS 35/7,5 / NS 35/15)	[mm]	39.3 / 46.8
<b>Technical data in accordance with IEC/ DIN VDE</b>		
Maximum load current / cross section	[A] / [mm <sup>2</sup> ]	17.5 / 1.5
Rated surge voltage / contamination class	[kV] / -	8 / 3
Surge voltage category / insulation material group	- / -	III / I
<b>Connection capacity</b>		
Core insulation		PVC / PE <sup>3)</sup>
Single/multi/fine strand	H05V-U/R/K // H07V-U/R/K	0.5-1.0 // 1.5
Halogen-free	H05Z-U/R/K // H07Z-U/R/K	0.5-1.0 // 1.5
Fine strand/superfine strand	(litz wires Ø ≥ 0.1 mm)	0.25 - 0.34
	(litz wires Ø ≥ 0.19 mm)	24-16
<b>Circuitry</b>		
min. 100x same cross section	[mm <sup>2</sup> ]	0.25-1.5
<b>Insulating material</b>		
Inflammability class in acc. with UL 94		PA V0
<b>Approval data (UL and CSA/CUL)</b>		
Nominal voltage / current / conductor sizes	UL: [V] / [A] / AWG	applied for
	CSA/CUL: [V] / [A] / AWG	applied for

Type	Order No.	Pcs. Pkt.
QTC 1,5-TWIN	32 05 04 8	50
QTC 1,5-TWIN BU	32 05 05 1	50
D-QTC 1,5-TWIN	32 05 19 0	50
DS-QTC 1,5	32 05 20 0	50
FBS 2-5	$I_{max.}: 24 A$ 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
RB ST 6-(2,5/4)	30 30 86 0	50
ATP-QTC TWIN	32 06 23 8	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

<sup>2)</sup> Further colors are available on request.

<sup>3)</sup> Further types of insulation on request.

# Fast Connection Feed-Through Terminal Block QTC 1,5-QUATTRO



(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>	17.5*	800
<sup>1)</sup> See below under "Technical data".					
* The max. load current must not be exceeded by the total current of all connected conductors.					

## Technical data

<b>Terminal block</b> , for mounting on	gray blue	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>Adapter bridge</b> , for connecting an ST... to QTC 1,5...			
(5) <b>Partition plate</b> , for visual and electrical separation of terminal groups, 2 mm thick			
(6) <b>Test adapter</b> , for 4 mm Ø test plug PS and 4 mm Ø safety test plugs, making contact in the bridge shaft			
(7) <b>2.3 mm Ø test plug</b> <sup>2)</sup> , consisting of metal part and red insulating sleeve			
(8) <b>Modular test plug</b> , can be labeled with ZBF 5			
(9) <b>Double marker carrier</b> , snaps into QTC fast connection terminal blocks, can be labeled with ZB 5 and ZBF 5	gray		
(10) <b>Screwdriver</b> , for actuating the fast connection			
(11) <b>Zack strip</b> , flat, for center and external labeling		white	
(12) <b>Zack strip</b> , 10-section, for center labeling		white	

### Dimensions

Width / length / end cover width	[mm]	5.2 / 94.0 / 2.2
Height (NS 35/7,5 / NS 35/15)	[mm]	39.3 / 46.8

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

Maximum load current / cross section	[A] / [mm <sup>2</sup> ]	17.5 / 1.5
Rated surge voltage / contamination class	[kV] / -	8 / 3
Surge voltage category / insulation material group	- / -	III / I

### Connection capacity

Core insulation		PVC / PE <sup>3)</sup>
Single/multi/fine strand	H05V-U/R/K // H07V-U/R/K	0.5-1.0 // 1.5
Halogen-free	H05Z-U/R/K // H07Z-U/R/K	0.5-1.0 // 1.5
Fine strand/superfine strand	(litz wires Ø ≥ 0.1 mm)	0.25 - 0.34
	(litz wires Ø ≥ 0.19 mm)	24-16

### Circuitry

min. 100x same cross section	[mm <sup>2</sup> ]	0.25-1.5
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### Insulating material

Inflammability class in acc. with UL 94		PA V0
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### Approval data (UL and CSA/CUL)

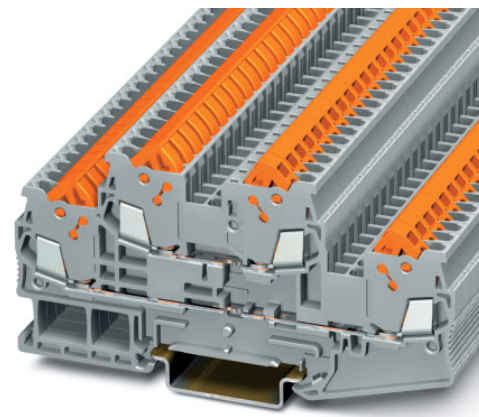
Nominal voltage / current / conductor sizes	UL: [V] / [A] / AWG CSA/CUL: [V] / [A] / AWG	applied for applied for
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<sup>2)</sup> Further colors are available on request.

<sup>3)</sup> Further types of insulation on request.

Type	Order No.	Pcs. Pkt.
<b>QTC 1,5-QUATTRO</b>	32 05 07 7	50
<b>QTC 1,5-QUATTRO BU</b>	32 05 08 0	50
<b>D-QTC 1,5-QUATTRO</b>	32 05 17 4	50
<b>DS-QTC 1,5</b>	32 05 20 0	50
<b>FBS 2-5</b>	<i>I</i> <sub>max.</sub> : 24 A	50
<b>FBS 3-5</b>		50
<b>FBS 4-5</b>		50
<b>FBS 5-5</b>		50
<b>FBS 10-5</b>		10
<b>FBS 20-5</b>		10
<b>RB ST 6-(2,5/4)</b>	30 30 86 0	50
<b>ATP-QTC QUATTRO</b>	32 06 22 5	50
<b>PAI 4</b>	30 30 92 5	10
<b>MPS-IH RD</b>	02 01 67 6	10
<b>PS-5</b>	30 30 98 3	10
<b>STP 5-2-ZB</b>	30 37 64 3	100
<b>SZF 1 - 0,6 x 3,5</b>	12 04 51 7	10
<b>ZBF 5:UNBEDRUCKT</b>	08 08 64 2	10
<b>ZB 5:UNBEDRUCKT</b>	10 50 00 4	10

# Fast Connection Double-Level Feed-Through Terminal Block QTTCB 1,5



(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>	17.5	800
<sup>1)</sup> See below under "Technical data".					
* The max. load current must not be exceeded by the total current of all connected conductor.					

## Technical data

<b>Terminal block</b> , for mounting on	gray blue	terminal width 5.2	
<b>Terminal block</b> , as above, however, with equipotential bonding between the levels, for mounting on	gray	terminal width 5.2	
<b>Terminal block</b> , as above, however, with diode 1N 4007 from top to bottom, for mounting on	gray	terminal width 5.2	
(1) <b>End cover</b>	gray		
(2) <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.		
(3) <b>Partition plate</b> , for visual and electrical separation of terminal groups, 2 mm thick			
(4) <b>Test adapter</b> , for 4 mm Ø test plug PS and 4 mm Ø safety test plugs, making contact in the bridge shaft			
(5) <b>2.3 mm Ø test plug</b> <sup>2)</sup> , consisting of metal part and red insulating sleeve			
(6) <b>Modular test plug</b> , can be labeled with ZBF 5			
(7) <b>Double marker carrier</b> , snaps into QTC fast connection terminal blocks, can be labeled with ZB 5 and ZBF 5	gray		
(8) <b>Screwdriver</b> , for actuating the fast connection			
(9) <b>Zack strip</b> , flat, for center and external labeling		white	
(10) <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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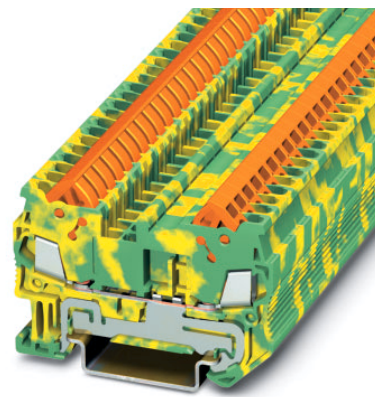
### Approval data (UL and CSA/CUL)

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

- <sup>2)</sup> Further colors are available on request.  
<sup>3)</sup> Further types of insulation on request.









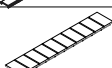
Type	Order No.	Pcs. Pkt.
<b>QTTCB 1,5</b>	<b>32 05 11 6</b>	<b>50</b>
<b>QTTCB 1,5 BU</b>	<b>32 05 12 9</b>	<b>50</b>
<b>QTTCB 1,5-PV *</b>	<b>32 05 15 3</b>	<b>50</b>
<b>QTTCB 1,5-DIO/O-U</b>	<b>32 06 24 1</b>	<b>50</b>
<b>D-QTTCB 1,5</b>	<b>32 05 18 7</b>	<b>50</b>
<b>FBS 2-5</b>	<b>I<sub>max</sub>: 24 A</b>	<b>30 30 16 1</b>
<b>FBS 3-5</b>	<b>24 A</b>	<b>30 30 17 4</b>
<b>FBS 4-5</b>	<b>24 A</b>	<b>30 30 18 7</b>
<b>FBS 5-5</b>	<b>24 A</b>	<b>30 30 19 0</b>
<b>FBS 10-5</b>	<b>24 A</b>	<b>30 30 21 3</b>
<b>FBS 20-5</b>	<b>24 A</b>	<b>30 30 22 6</b>
<b>ATP-QTTCB</b>	<b>32 06 23 8</b>	<b>50</b>
<b>PAI 4</b>	<b>30 30 92 5</b>	<b>10</b>
<b>MPS-IH RD</b>	<b>02 01 67 6</b>	<b>10</b>
<b>PS-5</b>	<b>30 30 98 3</b>	<b>10</b>
<b>STP 5-2-ZB</b>	<b>30 37 64 3</b>	<b>100</b>
<b>SZF 1 - 0,6 x 3,5</b>	<b>12 04 51 7</b>	<b>10</b>
<b>ZBF 5:UNBEDRUCKT</b>	<b>08 08 64 2</b>	<b>10</b>
<b>ZB 5:UNBEDRUCKT</b>	<b>10 50 00 4</b>	<b>10</b>
	5.2 / 99.6 / 2.2	
	49.9 / 47.5	
	17.5 / 1.5	
	6 / 3	
	III / I	
	PVC / PE <sup>3)</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 Ground Terminal Block QTC 1,5-PE



(IEC) [mm <sup>2</sup> ]	rigid solid	flexible stranded	AWG
Connection data	0.25-1.5 <sup>1)</sup>	0.25-1.5 <sup>1)</sup>	24-16 <sup>1)</sup>
<sup>1)</sup> See below under "Technical data".			
Current carrying capacity of the mounting rails, see CLIPLINE catalog.			

## Technical data

<b>Terminal block</b> , for mounting on 	green-yellow	terminal width 5.2	
(1) <b>End cover</b>	gray		
(2) <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.		
(3) <b>Partition plate</b> , for visual and electrical separation of terminal groups, 2 mm thick			
(4) <b>Test adapter</b> , for 4 mm Ø test plug PS and 4 mm Ø safety test plugs, making contact in the bridge shaft			
(5) <b>2.3 mm Ø test plug</b> <sup>2)</sup> , consisting of metal part and red insulating sleeve			
(6) <b>Modular test plug</b> , can be labeled with ZBF 5			
(7) <b>Double marker carrier</b> , snaps into QTC fast connection terminal blocks, can be labeled with ZB 5 and ZBF 5	gray		
(8) <b>Screwdriver</b> , for actuating the fast connection			
(9) <b>Zack strip</b> , flat, for center and external labeling	white		
(10) <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)

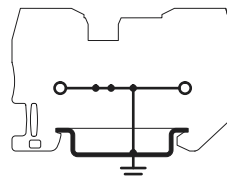
Nominal voltage / current / conductor sizes	UL: [V] / [A] / AWG
	CSA/CUL: [V] / [A] / AWG

<sup>2)</sup> Further colors are available on request.

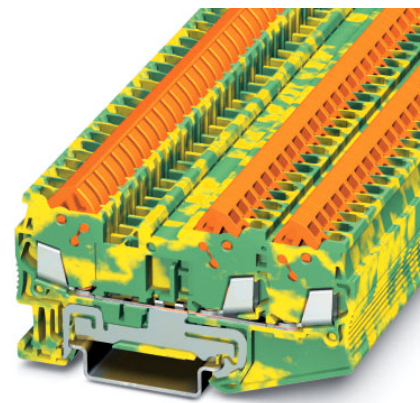
<sup>3)</sup> Further types of insulation on request.

Type	Order No.	Pcs. Pkt.
QTC 1,5-PE	32 05 03 5	50
D-QTC 1,5	32 05 16 1	50
FBS 2-5	30 30 16 1	50
FBS 3-5	30 30 17 4	50
FBS 4-5	30 30 18 7	50
FBS 5-5	30 30 19 0	50
FBS 10-5	30 30 21 3	10
FBS 20-5	30 30 22 6	10
ATP-QTC	32 06 20 9	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 / 58.8 / 2.2
39.3 / 46.8
-
8 / 3
III / I
PVC / PE <sup>3)</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 Ground Terminal Block QTC 1,5-TWIN-PE



(IEC) [mm <sup>2</sup> ]	rigid solid	flexible stranded	AWG
Connection data	0.25-1.5 <sup>1)</sup>	0.25-1.5 <sup>1)</sup>	24-16 <sup>1)</sup>
<sup>1)</sup> See below under "Technical data".			
Current carrying capacity of the mounting rails, see CLIPLINE catalog.			

## Technical data

<b>Terminal block</b> , for mounting on 	green-yellow	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</b> <sup>2)</sup> , 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 fast connection		
(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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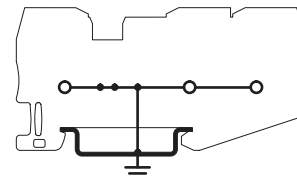
### Approval data (UL and CSA/CUL)

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

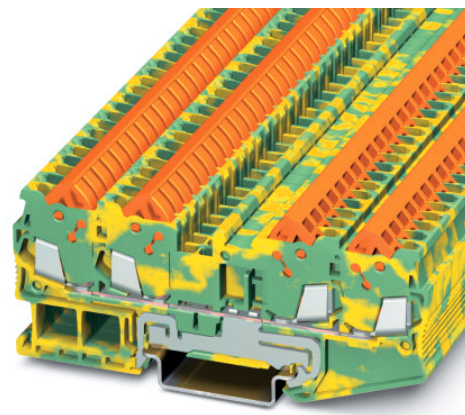
<sup>2)</sup> Further colors are available on request.

<sup>3)</sup> Further types of insulation on request.

Type	Order No.	Pcs. Pkt.
QTC 1,5-TWIN-PE	32 05 06 4	50
D-QTC 1,5-TWIN	32 05 19 0	50
DS-QTC 1,5	32 05 20 0	50
FBS 2-5	30 30 16 1	50
FBS 3-5	30 30 17 4	50
FBS 4-5	30 30 18 7	50
FBS 5-5	30 30 19 0	50
FBS 10-5	30 30 21 3	10
FBS 20-5	30 30 22 6	10
ATP-QTC TWIN	32 06 23 8	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	
	-	
	8 / 3	
	III / I	
	PVC / PE <sup>3)</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 Ground Terminal Block QTC 1,5-QUATTRO-PE



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

<sup>1)</sup> See below under "Technical data".  
Current carrying capacity of the mounting rails, see CLIPLINE catalog.

## Technical data

<b>Terminal block</b> , for mounting on 	green-yellow	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</b> <sup>2)</sup> , 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 fast connection		
(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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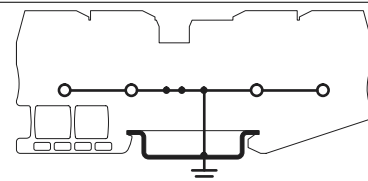
### Approval data (UL and CSA/CUL)

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

<sup>2)</sup> Further colors are available on request.

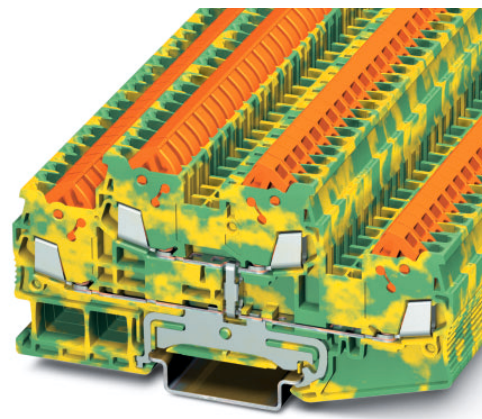
<sup>3)</sup> Further types of insulation on request.

Type	Order No.	Pcs. Pkt.
QTC 1,5-QUATTRO-PE	32 05 09 3	50
D-QTC 1,5-QUATTRO	32 05 17 4	50
DS-QTC 1,5	32 05 20 0	50
FBS 2-5	30 30 16 1	50
FBS 3-5	30 30 17 4	50
FBS 4-5	30 30 18 7	50
FBS 5-5	30 30 19 0	50
FBS 10-5	30 30 21 3	10
FBS 20-5	30 30 22 6	10
ATP-QTC QUATTRO	32 06 22 5	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 / 94.0 / 2.2	
	39.3 / 46.8	
	-	
	8 / 3	
	III / I	
	PVC / PE <sup>3)</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	






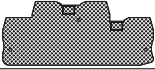

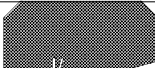



# Fast Connection Ground Terminal Block QTTCB 1,5-PE



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

<sup>1)</sup> See below under "Technical data".  
Current carrying capacity of the mounting rails, see CLIPLINE catalog.

## Technical data

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

<sup>3)</sup> Further types of insulation on request.

Type	Order No.	Pcs. Pkt.
QTTCB 1,5-PE	32 05 13 2	50
D-QTTCB 1,5	32 05 18 7	50
FBS 2-5	30 30 16 1	50
FBS 3-5	30 30 17 4	50
FBS 4-5	30 30 18 7	50
FBS 5-5	30 30 19 0	50
FBS 10-5	30 30 21 3	10
FBS 20-5	30 30 22 6	10
ATP-QTTCB	32 06 23 8	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 / 99.6 / 2.2
49.9 / 47.5
-
6 / 3
III / I
PVC / PE <sup>3)</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

