Fast Connection Knife/Disconnect Terminal Blocks QUICKON-QTC

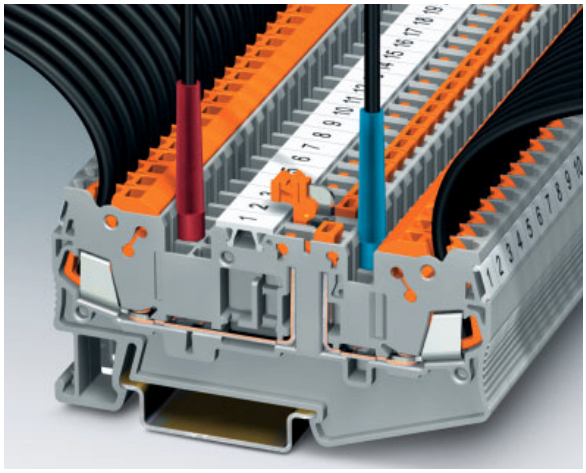
Disconnect and Component Plugs

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.

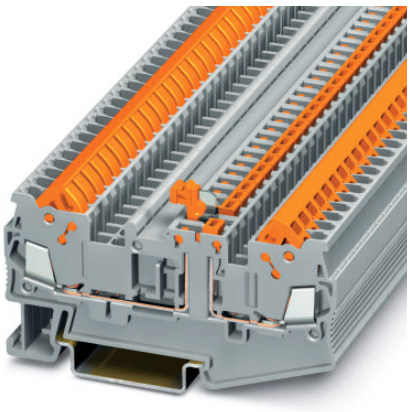
The disconnect plug P-DI can be used in all base disconnect terminal blocks of the QTC 1,5-TG, ST 2,5...-TG and STS 2,5-TG series. The current carrying capacity is 16 A. Following disconnection, the P-DI can be "parked" back to front in the base terminal block.

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



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



(IEC) [mm²]	rigid solid	flexible stranded	AWG	I [A]	U [V]
Connection data	0.25-1.5[1])	0.25-1.5[1])	24-16[1])	16	400

[1]) See below under "Technical data".

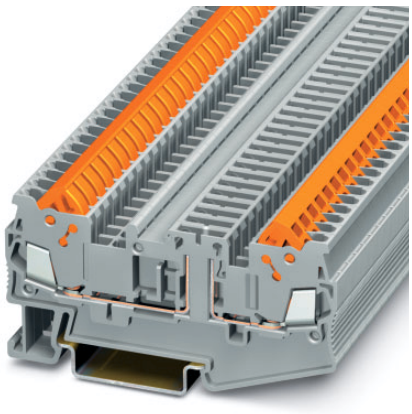
Technical data

			Type		Order No.	Pcs. Pkt.
Terminal block, for mounting on ⊔	gray	terminal width 5.2	**QTC 1,5-MT**		**32 05 10 3**	**50**
(1) **End cover**	gray		**D-QTC 1,5-TWIN**		**32 05 19 0**	**50**
(2) **End cover segment,** serves for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned	gray		**DS-QTC 1,5**		**32 05 20 0**	**50**
(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.		**FBS 2-5** **FBS 3-5** **FBS 4-5** **FBS 5-5** **FBS 10-5** **FBS 20-5**	$I_{max.}$: 24 A 24 A 24 A 24 A 24 A 24 A	**30 30 16 1** **30 30 17 4** **30 30 18 7** **30 30 19 0** **30 30 21 3** **30 30 22 6**	**50** **50** **50** **50** **10** **10**
(4) **Partition plate,** for visual and electrical separation of terminal groups, 2 mm thick			**ATP-QTC TWIN**		**32 06 21 2**	**50**
(5) **Test adapter,** for 4 mm ∅ test plug PS and 4 mm ∅ safety test plugs, making contact in the bridge shaft			**PAI 4**		**30 30 92 5**	**10**
(6) **2.3 mm ∅ test plug [1]),** consisting of metal part and red insulating sleeve			**MPS-IH RD**		**02 01 67 6**	**10**
(7) **Modular test plug,** can be labeled with ZBF 5			**PS-5**		**30 30 98 3**	**10**
(8) **Double marker carrier,** snaps into QTC fast connection terminal blocks, can be labeled with ZB 5 and ZBF 5	gray		**STP 5-2-ZB**		**30 37 64 3**	**100**
(9) **Screwdriver,** for actuating the tension spring			**SZF 1 - 0,6 x 3,5**		**12 04 51 7**	**10**
(10) **Zack strip,** flat, for center and external labeling	white		**ZBF 5:UNBEDRUCKT**		**08 08 64 2**	**10**
(11) **Zack strip,** 10-section, for center labeling	white		**ZB 5:UNBEDRUCKT**		**10 50 00 4**	**10**

Dimensions		
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
Technical data in accordance with IEC/ DIN VDE		
Maximum load current / cross section	[A] / [mm²]	16 / 1.5
Rated surge voltage / contamination class	[kV] / –	6 / 3
Surge voltage category / insulation material group	– / –	III / I
Connection capacity		
Core insulation		PVC / PE [2])
Single/multi/fine strand H05V-U/R/K // H07V-U/R/K	[mm²]	0.5-1.0 // 1.5
Halogen-free H05Z-U/R/K // H07Z-U/R/K	[mm²]	0.5-1.0 // 1.5
Fine strand/superfine strand (litz wires Ø ≥ 0.1 mm)	[mm²]	0.25 - 0.34
(litz wires Ø ≥ 0.19 mm)	AWG	24-16
Circuitry		
min. 100x same cross section	[mm²]	0.25-1.5
Insulating material		PA
Inflammability class in acc. with UL 94		V0
Approval data (UL and CSA/CUL)		
Nominal voltage / current / conductor sizes	UL: [V] / [A] / AWG	applied for
	CSA/CUL: [V] / [A] / AWG	applied for

[1]) Further colors are available on request.
[2]) Further types of insulation on request.

Fast Connection Disconnect Terminal Bock QTC 1,5-TG



(IEC) [mm²]	rigid solid	flexible stranded	AWG	I [A]	U [V]
Connection data	0.25-1.5[1])	0.25-1.5[1])	24-16[1])	16*	400*

[1]) See below under "Technical data".
* Current and voltage are determined by the plug used.

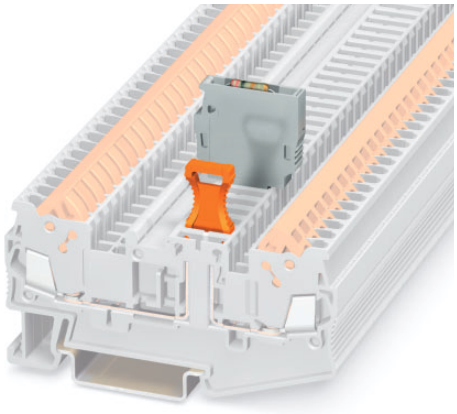
Technical data

			Type		Order No.	Pcs. Pkt.
Terminal block, for mounting on ⊓	gray	terminal width 5.2	**QTC 1,5-TG**		**32 05 14 5**	**50**
(1) **End cover**	gray		**D-QTC 1,5-TWIN**		**32 05 19 0**	**50**
(2) **End cover segment,** serves for covering multi-conductor terminal blocks when two-conductor terminal blocks are aligned	gray		**DS-QTC 1,5**		**32 05 20 0**	**50**
(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.		**FBS 2-5** **FBS 3-5** **FBS 4-5** **FBS 5-5** **FBS 10-5** **FBS 20-5**	$I_{max.}$: 24 A 24 A 24 A 24 A 24 A 24 A	**30 30 16 1** **30 30 17 4** **30 30 18 7** **30 30 19 0** **30 30 21 3** **30 30 22 6**	**50** **50** **50** **50** **10** **10**
(4) **Partition plate,** for visual and electrical separation of terminal groups, 2 mm thick			**ATP-QTC TWIN**		**32 06 21 2**	**50**
(5) **Test adapter,** for 4 mm ∅ test plug PS and 4 mm ∅ safety test plugs, making contact in the bridge shaft			**PAI 4**		**30 30 92 5**	**10**
(6) **2.3 mm ∅ test plug [1]),** consisting of metal part and red insulating sleeve			**MPS-IH RD**		**02 01 67 6**	**10**
(7) **Modular test plug,** can be labeled with ZBF 5			**PS-5**		**30 30 98 3**	**10**
(8) **Disconnect plug,**	orange		**P-DI**	$I_{max.}$: 16 A	**30 36 78 3**	**50**
(9) **Component plug,** can be labeled with ZBF 5	gray		**P-CO**	$I_{max.}$: 6 A[3])	**30 36 79 6**	**10**
(8) **Double marker carrier,** snaps into QTC fast connection terminal blocks, can be labeled with ZB 5 and ZBF 5	gray		**STP 5-2-ZB**		**30 37 64 3**	**100**
(9) **Screwdriver,** for actuating the tension spring			**SZF 1 - 0,6 x 3,5**		**12 04 51 7**	**10**
(10) **Zack strip,** flat, for center and external labeling		white	**ZBF 5:UNBEDRUCKT**		**08 08 64 2**	**10**
(11) **Zack strip,** 10-section, for center labeling		white	**ZB 5:UNBEDRUCKT**		**10 50 00 4**	**10**

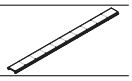
Dimensions		
Width / length / end cover width	[mm]	5.2 / 76.4 / 2.2
Height (NS 35/7,5 / NS 35/15)	[mm]	39.3 / 46.8
Technical data in accordance with IEC/ DIN VDE		
Maximum load current / cross section	[A] / [mm²]	16 / 1.5
Rated surge voltage / contamination class	[kV] / –	6 / 3
Surge voltage category / insulation material group	– / –	III / I
Connection capacity		
Core insulation		PVC / PE [2])
Single/multi/fine strand H05V-U/R/K // H07V-U/R/K	[mm²]	0.5-1.0 // 1.5
Halogen-free H05Z-U/R/K // H07Z-U/R/K	[mm²]	0.5-1.0 // 1.5
Fine strand/superfine strand (litz wires Ø ≥ 0.1 mm)	[mm²]	0.25 - 0.34
(litz wires Ø ≥ 0.19 mm)	AWG	24-16
Circuitry		
min. 100x same cross section	[mm²]	0.25-1.5
Insulating material		PA
Inflammability class in acc. with UL 94		V0
Approval data (UL and CSA/CUL)		
Nominal voltage / current / conductor sizes	UL: [V] / [A] / AWG	applied for
	CSA/CUL: [V] / [A] / AWG	applied for

[1]) Further colors are available on request.
[2]) Further types of insulation on request.
[3]) Dependent on the power loss of the components. Max. 1 W with single arrangement.

Disconnect and Component Plugs



Technical data

			Type		Order No.	Pcs. / Pkt.
Disconnect plug,	orange		**P-DI**	$I_{max.}$: 16 A	**30 36 78 5**	**50**
Component plug	gray		**P-CO**	$I_{max.}$: 6 A[1])	**30 36 79 6**	**10**
(1) **Screwdriver,** for actuating the tension spring			**SZF 1 - 0,6 x 3,5**		**12 04 51 7**	**10**
(2) **Zack strip,** flat, for labeling the component connector	white		**ZBF 5:UNBEDRUCKT**		**08 08 64 2**	**10**
			ZB 5:UNBEDRUCKT		**10 50 00 4**	**10**
Insulating material			PA			
Inflammability class in acc. with UL 94			V0			
Dimensions P-CO						
Height / Width	[mm]		21.2 / 24.2			

[1]) Dependent on the power loss of the components. Max. 1 W with single arrangement.

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