

Large volume terminal block TQB Series

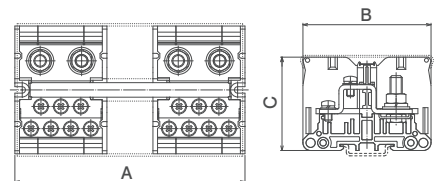
Terminal block for branch (1/3)

Application	No. of pins	Type name	External dimensions (mm)				General mass (g)			
			A	B	C	Terminal pitch				
600V [Maximum 90A] 22mm ² [90A] M6×2 pieces	1	TQB 60D 01	50	72.5	57	50	128			
	2	TQB 60D 02	100				256			
	3	TQB 60D 03	150				384			
	4	TQB 60D 04	200				512			
600V [Maximum 90A] 22mm ² [90A] M6×2 pieces	1	TQB 60D 01 A ※	50	72.5	57	50	128			
	2	TQB 60D 02 A ※	100				256			
	3	TQB 60D 03 A ※	150				384			
	4	TQB 60D 04 A ※	200				512			
14mm ² [80A] M5×3 pieces 5.5mm ² [40A] M4×2 pieces	3	TQB 60D 03 A ※	150	72.5	57	50	384			
	4	TQB 60D 04 A ※	200				512			
	1	TQB 60D 01 B ※	50				128			
	2	TQB 60D 02 B ※	100				256			
600V [Maximum 90A] 22mm ² [90A] M6×1 pieces	3	TQB 60D 03 B ※	150	72.5	57	50	384			
	4	TQB 60D 04 B ※	200				512			
	1	TQB 60D 01 C ※	50				128			
	2	TQB 60D 02 C ※	100				256			
600V [Maximum 90A] 22mm ² [90A] M6×1 pieces	3	TQB 60D 03 C ※	150	72.5	57	50	384			
	4	TQB 60D 04 C ※	200				512			
	1	TQB 100D 01	60				83.5	61	60	244
	2	TQB 100D 02	120							488
Upper stage 8mm ² [50A] M5×7 pieces Lower stage 14mm ² [80A]	3	TQB 100D 03	180	732						
4	TQB 100D 04	240	976							
600V [Maximum 175A] 60mm ² [175A] M8×2 pieces	1	TQB 100D 01 A ※	60	83.5	61	60	244			
	2	TQB 100D 02 A ※	120				488			
	3	TQB 100D 03 A ※	180				732			
	4	TQB 100D 04 A ※	240				976			
22mm ² [90A] M6×2 pieces 14mm ² [80A] M5×3 pieces	1	TQB 100D 01 B ※	60	83.5	61	60	244			
	2	TQB 100D 02 B ※	120				488			
	3	TQB 100D 03 B ※	180				732			
	4	TQB 100D 04 B ※	240				976			
600V [Maximum 175A] 60mm ² [175A] M8×2 pieces	1	TQB 100D 01 C ※	60	83.5	61	60	244			
	2	TQB 100D 02 C ※	120				488			
	3	TQB 100D 03 C ※	180				732			
	4	TQB 100D 04 C ※	240				976			
Upper stage 8mm ² [50A] M5×7 pieces Lower stage 14mm ² [80A]	1	TQB 100D 01 D ※	60	83.5	61	60	244			
	2	TQB 100D 02 D ※	120				488			
	3	TQB 100D 03 D ※	180				732			
	4	TQB 100D 04 D ※	240				976			
600V [Maximum 175A] 60mm ² [175A] M8×1 pieces	1	TQB 100D 01 E ※	60	83.5	61	60	244			
	2	TQB 100D 02 E ※	120				488			
	3	TQB 100D 03 E ※	180				732			
	4	TQB 100D 04 E ※	240				976			
22mm ² [90A] M6×2 pieces 14mm ² [80A] M5×3 pieces	1	TQB 100D 01 E ※	60	83.5	61	60	244			
	2	TQB 100D 02 E ※	120				488			
	3	TQB 100D 03 E ※	180				732			
	4	TQB 100D 04 E ※	240				976			
600V [Maximum 175A] 60mm ² [175A] M8×1 pieces	1	TQB 100D 01 E ※	60	83.5	61	60	244			
	2	TQB 100D 02 E ※	120				488			
	3	TQB 100D 03 E ※	180				732			
	4	TQB 100D 04 E ※	240				976			
5.5mm ² [40A] M4×7 pieces	1	TQB 100D 01 E ※	60	83.5	61	60	244			
	2	TQB 100D 02 E ※	120				488			
	3	TQB 100D 03 E ※	180				732			
	4	TQB 100D 04 E ※	240				976			

- Remarks:
 1. Cover not attached.
 2. ※ Product on order
 3. Please refer to p77, terminal block for branch chart.



TQB60D01



Terminal block for branch

Line-up

Clutch Lock Terminal Blocks

PLC Interface Terminal Blocks

Rail Type Terminal Blocks

Assembly Terminal Blocks

Special Purpose Terminal Blocks

Terminal Block Accessories

Large volume terminal block

TQB Series

Terminal block for branch (2/3)

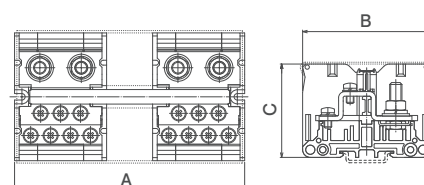
Application	No. of pins	Type name	External dimensions (mm)				General mass (g)
			A	B	C	Terminal pitch	
600V [Maximum 310A]	1	TQB 200D 01	77.5	120	66	77.5	428
150mm ² [310A] M10×2 pieces	2	TQB 200D 02	155				856
22mm ² [90A] M6×4 pieces	3	TQB 200D 03	232.5				1284
14mm ² [80A] M5×3 pieces	4	TQB 200D 04	310				1712
600V [Maximum 310A]	1	TQB 200D 01 A ※	77.5				428
150mm ² [310A] M10×2 pieces	2	TQB 200D 02 A ※	155				856
22mm ² [90A] M6×2 pieces	3	TQB 200D 03 A ※	232.5				1284
14mm ² [80A] M5×3 pieces	4	TQB 200D 04 A ※	310				1712
5.5mm ² [40A] M4×3 pieces	4	TQB 200D 04 A ※	310				1712
600V [Maximum 310A]	1	TQB 200D 01 B ※	77.5				428
150mm ² [310A] M10×2 pieces	2	TQB 200D 02 B ※	155				856
14mm ² [80A] M5×3 pieces	3	TQB 200D 03 B ※	232.5				1284
5.5mm ² [40A] M4×6 pieces	4	TQB 200D 04 B ※	310				1712
600V [Maximum 310A]	1	TQB 200D 01 C ※	77.5				428
150mm ² [310A] M10×2 pieces	2	TQB 200D 02 C ※	155				856
	3	TQB 200D 03 C ※	232.5				1284
14mm ² [80A] M5×7 pieces	4	TQB 200D 04 C ※	310	1712			
600V [Maximum 310A]	1	TQB 200D 01 D ※	77.5	428			
150mm ² [310A] M10×1 pieces	2	TQB 200D 02 D ※	155	856			
22mm ² [90A] M6×4 pieces	3	TQB 200D 03 D ※	232.5	1284			
14mm ² [80A] M5×3 pieces	4	TQB 200D 04 D ※	310	1712			
600V [Maximum 310A]	1	TQB 200D 01 E ※	77.5	428			
150mm ² [310A] M10×1 pieces	2	TQB 200D 02 E ※	155	856			
22mm ² [90A] M6×2 pieces	3	TQB 200D 03 E ※	232.5	1284			
14mm ² [80A] M5×3 pieces	4	TQB 200D 04 E ※	310	1712			
5.5mm ² [40A] M4×3 pieces	4	TQB 200D 04 E ※	310	1712			
600V [Maximum 310A]	1	TQB 200D 01 F ※	77.5	428			
150mm ² [310A] M10×1 pieces	2	TQB 200D 02 F	155	856			
14mm ² [80A] M5×3 pieces	3	TQB 200D 03 F ※	232.5	1284			
5.5mm ² [40A] M4×6 pieces	4	TQB 200D 04 F ※	310	1712			
600V [Maximum 310A]	1	TQB 200D 01 G ※	77.5	428			
150mm ² [310A] M10×1 pieces	2	TQB 200D 02 G ※	155	856			
	3	TQB 200D 03 G ※	232.5	1284			
14mm ² [80A] M5×7 pieces	4	TQB 200D 04 G ※	310	1712			

Remarks:

1. Cover not attached.
2. ※ Product on order
3. Please refer to p77, terminal block for branch chart.



TQB60D01



Terminal block for branch

Line-up
Terminal Blocks
Clutch Lock
Terminal Blocks
PLC Interface
Terminal Blocks
Rail Type
Terminal Blocks
Assembly
Terminal Blocks
Special Purpose
Terminal Blocks
Terminal
Block Accessories

Large volume terminal block TQB Series

Terminal block for branch (3/3)

Application	No. of pins	Type name	External dimensions (mm)				General mass (g)
			A	B	C	Terminal pitch	
600V [Maximum 440A] 200mm ² [440A]M12×2 pieces	1	TQB 400D 01	112	150	100	112	1009
	2	TQB 400D 02	224				2018
	3	TQB 400D 03	336				3027
	4	TQB 400D 04	448				4036
100mm ² [240A]M10×2 pieces	60mm ² [175A]M8×1 pieces	22mm ² [90A]M6×2 pieces (for voltmeter) M4×1 pieces	1	TQB 400D 01 A ※	112	1009	
			2	TQB 400D 02 A ※	224	2018	
			3	TQB 400D 03 A ※	336	3027	
			4	TQB 400D 04 A ※	448	4036	
600V [Maximum 440A] 200mm ² [440A]M12×2 pieces	1	TQB 400D 01 B ※	112	150	100	112	1009
	2	TQB 400D 02 B ※	224				2018
	3	TQB 400D 03 B ※	336				3027
	4	TQB 400D 04 B ※	448				4036
22mm ² [90A]M6×7 pieces	1	TQB 400D 01 C ※	112	150	100	112	1009
	2	TQB 400D 02 C ※	224				2018
	3	TQB 400D 03 C ※	336				3027
	4	TQB 400D 04 C ※	448				4036
600V [Maximum 440A] 200mm ² [440A]M12×1 pieces	1	TQB 400D 01 D ※	112	150	100	112	1009
	2	TQB 400D 02 D ※	224				2018
	3	TQB 400D 03 D ※	336				3027
	4	TQB 400D 04 D ※	448				4036
600V [Maximum 440A] 200mm ² [440A]M12×1 pieces	1	TQB 400D 01 E ※	112	150	100	112	1009
	2	TQB 400D 02 E ※	224				2018
	3	TQB 400D 03 E ※	336				3027
	4	TQB 400D 04 E ※	448				4036
600V [Maximum 440A] 200mm ² [440A]M12×1 pieces	1	TQB 400D 01 F ※	112	150	100	112	1009
	2	TQB 400D 02 F ※	224				2018
	3	TQB 400D 03 F ※	336				3027
	4	TQB 400D 04 F ※	448				4036
22mm ² [90A]M6×7 pieces	1	TQB 400D 01 G ※	112	150	100	112	1009
	2	TQB 400D 02 G ※	224				2018
	3	TQB 400D 03 G ※	336				3027
	4	TQB 400D 04 G ※	448				4036
600V [Maximum 440A] 200mm ² [440A]M12×1 pieces	1	TQB 400D 01 G ※	112	150	100	112	1009
	2	TQB 400D 02 G ※	224				2018
	3	TQB 400D 03 G ※	336				3027
	4	TQB 400D 04 G ※	448				4036
22mm ² [90A]M6×2 pieces 14mm ² [80A]M5×7 pieces	1	TQB 400D 01 G ※	112	150	100	112	1009
	2	TQB 400D 02 G ※	224				2018
	3	TQB 400D 03 G ※	336				3027
	4	TQB 400D 04 G ※	448				4036

Remarks:

- Cover not attached.
- ※ Product on order
- Please refer to p77, terminal block for branch chart.

Rating when the product is used as UL certified part

Type	UL standard (UL1059)					
	Type name	Rated voltage (V)	Rated current (A)	Applicable wire AWG <small>Note</small>	FW <small>Note</small>	Tightening torque
For Branching	TQB60D	600	85	Inlet side : AWG 10 to 4	1	M6 : 4N · m
				Outlet side : AWG 16~10		M4 : 1.4N · m
	TQB100D	600	130	Inlet side : AWG 8 to 1	1	M8 : 8N · m
				Outlet side : AWG 12~6		M5 : 2.2N · m
	TQB200D	600	230	Inlet side : AWG 1/0 to 4/0	1	M10 : 15N · m
				Outlet side : M6 : AWG 10~4		M6 : 4N · m
				Outlet side : M5 : AWG1 2~6		M5 : 2.2N · m
	TQB400D	600	335	Inlet side : 350 to 400kcmil	1	M12 : 25N · m
				Outlet side : M10 : AWG 1/0 to 4/0		M10 : 15N · m
				Outlet side : M8 : AWG 4 to 1		M8 : 8N · m
				Outlet side : M6 : AWG 10 to 4		M6 : 4N · m
				Outlet side : M4 : AWG 14 to 10		M4 : 1.4N · m

- Remark: 1. Please use crimp contacts of UL standard products.
2. FW1: factory wiring

Line-up

Clutch Lock
Terminal Blocks

PLC Interface
Terminal Blocks

Rail Type
Terminal Blocks

Assembly
Terminal Blocks

Special Purpose
Terminal Blocks

Terminal
Block Accessories

Large volume assembly terminal block

TQB Series

Terminal block for branch chart

Basic type name	Rate			Terminal screw		Rated insulation voltage	
	Inlet side	Outlet side		Inlet side	Outlet side		
TQB 60 D ■	22mm ² [90A]	5.5mm ² × 10 [40A]	Total : Less than 90A	M6×2 pieces	M4×5 pieces	600V	
TQB 60 D ■ A ※		14mm ² × 6 [80A]			M5×3 pieces		
TQB 60 D ■ B ※		5.5mm ² × 4 [40A]		M4×2 pieces			
TQB 60 D ■ C ※		5.5mm ² × 10 [40A]		M6×1 piece	M4×5 pieces		
TQB 60 D ■ C ※	14mm ² × 6 [80A]	M5×3 pieces					
TQB 60 D ■ C ※	5.5mm ² × 4 [40A]	5.5mm ² × 4 [40A]	M4×2 pieces				
TQB 100 D ■	60mm ² [175A]	上段8mm ² × 6 [50A]	Total : Less than 175A	M8×2 pieces (Stud type)	M5×7 pieces		
TQB 100 D ■ A ※		下段14mm ² × 8 [80A]			M6×2 pieces		
TQB 100 D ■ A ※		22mm ² × 4 [90A]			M5×3 pieces		
TQB 100 D ■ A ※		14mm ² × 6 [80A]			M4×7 pieces		
TQB 100 D ■ B ※		5.5mm ² × 14 [40A]		M8×1 piece (Stud type)	M5×7 pieces		
TQB 100 D ■ C ※		上段8mm ² × 6 [50A]			M6×2 pieces		
TQB 100 D ■ C ※		下段14mm ² × 8 [80A]		M5×3 pieces			
TQB 100 D ■ D ※		22mm ² × 4 [90A]		M4×7 pieces			
TQB 100 D ■ D ※		14mm ² × 6 [80A]		M6×2 pieces			
TQB 100 D ■ D ※		5.5mm ² × 14 [40A]		M5×3 pieces			
TQB 100 D ■ E ※	5.5mm ² × 14 [40A]	M4×7 pieces					
TQB 200 D ■	150mm ² [310A]	22mm ² × 8 [90A]	Total : Less than 310A	M10×2 pieces (Stud type)	M6×4 pieces		
TQB 200 D ■ A ※		14mm ² × 6 [80A]			M5×3 pieces		
TQB 200 D ■ A ※		22mm ² × 4 [90A]			M6×2 pieces		
TQB 200 D ■ A ※		14mm ² × 6 [80A]			M5×3 pieces		
TQB 200 D ■ A ※		5.5mm ² × 6 [40A]			M4×3 pieces		
TQB 200 D ■ A ※		14mm ² × 6 [80A]			M5×3 pieces		
TQB 200 D ■ B ※		5.5mm ² × 12 [40A]		M4×6 pieces			
TQB 200 D ■ B ※		14mm ² × 14 [80A]		M5×7 pieces			
TQB 200 D ■ C ※		14mm ² × 14 [80A]		M10×1 piece (Stud type)	M6×4 pieces		
TQB 200 D ■ C ※		22mm ² × 8 [90A]			M5×3 pieces		
TQB 200 D ■ D ※		14mm ² × 6 [80A]		M6×2 pieces			
TQB 200 D ■ D ※		22mm ² × 4 [90A]		M5×3 pieces			
TQB 200 D ■ D ※		14mm ² × 6 [80A]		M4×3 pieces			
TQB 200 D ■ E ※		5.5mm ² × 6 [40A]		M5×3 pieces			
TQB 200 D ■ E ※	14mm ² × 6 [80A]	M4×6 pieces					
TQB 200 D ■ F ※	5.5mm ² × 12 [40A]	M5×7 pieces					
TQB 200 D ■ F ※	14mm ² × 14 [80A]						
TQB 200 D ■ G ※	14mm ² × 14 [80A]						
TQB 400 D ■	200mm ² [440A]	100mm ² × 4 [240A]	Total : Less than 440A	M12×2 pieces (Stud type)	M10×2 pieces		
TQB 400 D ■		60mm ² × 2 [175A]			M8×1 piece		
TQB 400 D ■		22mm ² × 4 [90A]			M6×2 pieces		
TQB 400 D ■					M4×1 piece (for voltmeter)		
TQB 400 D ■ A ※		60mm ² × 6 [175A]			M8×3 pieces		
TQB 400 D ■ A ※		22mm ² × 4 [90A]			M6×2 pieces		
TQB 400 D ■ B ※		22mm ² × 14 [90A]		M6×7 pieces			
TQB 400 D ■ B ※		22mm ² × 4 [90A]		M6×2 pieces			
TQB 400 D ■ C ※		14mm ² × 14 [80A]		M5×7 pieces			
TQB 400 D ■ C ※		100mm ² × 4 [240A]		M12×1 piece (Stud type)	M10×2 pieces		
TQB 400 D ■ D ※		60mm ² × 2 [175A]			M8×1 piece		
TQB 400 D ■ D ※		22mm ² × 4 [90A]		M6×2 pieces			
TQB 400 D ■ E ※		60mm ² × 6 [175A]		M8×3 pieces			
TQB 400 D ■ E ※		22mm ² × 4 [90A]		M6×2 pieces			
TQB 400 D ■ F ※	22mm ² × 14 [90A]	M6×7 pieces					
TQB 400 D ■ F ※	22mm ² × 4 [90A]	M6×2 pieces					
TQB 400 D ■ G ※	14mm ² × 14 [80A]	M5×7 pieces					

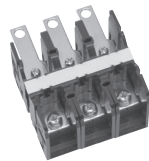
Notes: 1. Pole numbers 01~04 will enter to ■.
2. ※ Product on order

Line-up
Clutch Lock
Terminal Blocks
PLC Interface
Terminal Blocks
Rail Type
Terminal Blocks
Assembly
Terminal Blocks
Special Purpose
Terminal Blocks
Terminal
Block Accessories

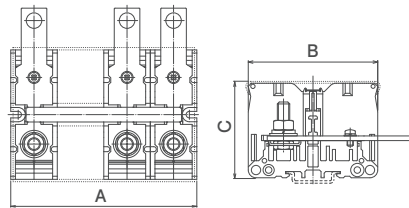
Large volume assembly terminal block **TQB Series**

Terminal block for breaker

Application	No. of pins	Type name	External dimensions (mm)				General mass (g)
			A	B	C	Terminal pitch	
600V 22mm ² [90A] M6 For 60AF	2	TQB60L 02	50	72.5	57	25	132
	3	TQB60L 03	75				198
	4	TQB60L 04	100				264
600V 60mm ² [175A] M8 For 100AF	2	TQB100L 02	60	83.5	61	30	246
	3	TQB100L 03	90				369
	4	TQB100L 04	120				492
600V 150mm ² [310A] M10 For 225AF and 250AF	2	TQB200L 02	70	120	66	35	462
	3	TQB200L 03	105				693
	4	TQB200L 04	140				924



TQB60L 03



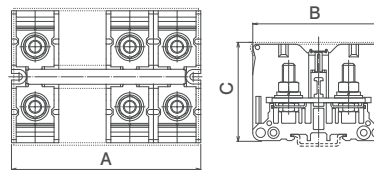
Terminal block for breaker

Terminal block for relay

Application	No. of pins	Type name	External dimensions (mm)				General mass (g)
			A	B	C	Terminal pitch	
600V 22mm ² [90A] M6	2	TQB60 02	50	72.5	57	25	122
	3	TQB60 03	75				183
	4	TQB60 04	100				244
600V 60mm ² [175A] M8	2	TQB100 02	60	83.5	61	30	262
	3	TQB100 03	90				393
	4	TQB100 04	120				524
600V 150mm ² [310A] M10	2	TQB200 02	70	120	66	35	492
	3	TQB200 03	105				738
	4	TQB200 04	140				984
600V 200mm ² [440A] M12	2	TQB400 02	112	150	100	56	1036
	3	TQB400 03	168				1554
	4	TQB400 04	224				2072



TQB60 03



Terminal block for relay

Rating when the product is used as UL certified part

Type	UL standard (UL1059)					
	Type name	Rated voltage (V)	Rated current (A)	Applicable wire AWG ^{Note}	FW ^{Note}	Tightening torque
for breaker	TQB60L	600	85	AWG 10 to 4	1	4N · m
	TQB100L	600	130	AWG 8 to 1	1	8N · m
	TQB200L	600	230	AWG 1/0 to 4/0	1	15N · m
for relay	TQB60	600	85	AWG 10 to 4	1	4N · m
	TQB100	600	130	AWG 8 to 1	1	8N · m
	TQB200	600	230	AWG 1/0 to 4/0	1	15N · m
	TQB400	600	335	350~400kcmil	1	25N · m

Notes: 1. Please use crimp contacts of UL standard products.
2. FW1: Factory wiring

Line-up

Clutch Lock Terminal Blocks

PLC Interface Terminal Blocks

Rail Type Terminal Blocks

Assembly Terminal Blocks

Special Purpose Terminal Blocks

Terminal Block Accessories

Large volume assembly terminal block accessory

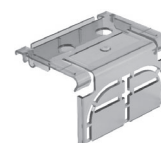
Connecting band

Application	Applicable terminal block	Type name	Number of contents	General mass (g)
Terminal block for branch Connecting band	TQB60D series	TQBJ 60D	1set	75
	TQB100D series	TQBJ 100D		170
	TQB200D series	TQBJ 200D		515
Terminal block for relay Connecting band	TQB100 series	TQBJ 100		77



Safety cover

Application	Applicable terminal block	Type name	Number of contents	General mass (g)
Terminal block for branch Safety cover	TQB60D series	TQBB 6D	2 pieces	7
	TQB100D series	TQBB 10D		9
	TQB200D series	TQBB 20D		16
	TQB400D series	TQBB 40D		30



Note: Terminal block for branch does not have specified safety cover attached.

Regular cover

Application	Applicable terminal block	No. of pins	Type name	Number of contents	General mass (g)
Terminal block for branch Regular cover	TQB60D series	1	TRB 10N 60 D01	1 pieces	6
		2	TRB 10N 60 D02		15
		3	TRB 10N 60 D03		20
		4	TRB 10N 60 D04		26
	TQB100D series	1	TRB 20N 100 D01		11
		2	TRB 20N 100 D02		20
		3	TRB 20N 100 D03		30
		4	TRB 20N 100 D04		36
	TQB200D series	1	TRB 40N 200 D01		20
		2	TRB 40N 200 D02		46
		3	TRB 40N 200 D03		70
		4	TRB 40N 200 D04		96
	TQB400D series	1	TRB 40N 400 D01		25
		2	TRB 40N 400 D02		52
		3	TRB 40N 400 D03		100
		4	TRB 40N 400 D04		130



Note: Terminal block for branching does not have specified regular cover attached.

Insulation barrier

Application	Applicable terminal block	Type name	Number of contents	General mass (g)
Terminal block for branch Insulation barrier	TQB400D series	TXH 60	2 pieces	12

