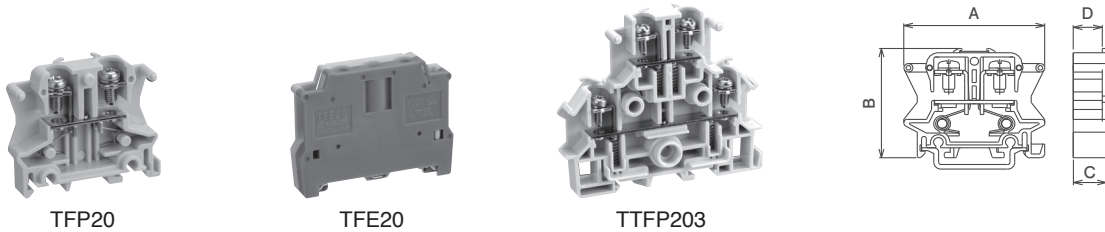


Finger protection terminal block **TFP, TTFP and TFE Series**

Application			Type name	Number of contents	External dimensions (mm)				General mass per pole (g)	
					A	B	C	D		
Terminal unit										
Standard type 600V	1.25mm ²	[15A]	M3×8± raised type	TFP 15	50P	42	36.5	7	6	7
	2mm ²	[20A]	M3.5×8± raised type	TFP 20	50P	42	36.5	8	6.7	9
	5.5mm ²	[40A]	M4×8.5± raised type	TFP 40	50P	47	38.5	11	9.7	14
	14mm ²	[80A]	M5×10± raised type	TFP 80	20P	65	47.5	14	12.5	29
2-stage type 600V	2mm ²	[20A]	M3×8± raised type	TTFP 203	20 pieces	69	60.5	8	6.7	20
			M3.5×8± raised type	TTFP 2035	20 pieces	69	60.5	8	6.7	21
For grounding 600V	2mm ²		M3.5×8± raised type	TFE 20	20P	51.5	39.5	9.5	6.7	26
	5.5mm ²		M4×8.5± raised type	TFE 40	20P	53.5	41	12.5	9.7	33
End plate										
For TFP 15 and TFP 20				TFPA 20	10 pieces	42	36.5	Thickness 3	2.5	
For TFP 40				TFPA 40	10 pieces	47	38.5	Thickness 3	5	
For TFP 80				TFPA 80	10 pieces	65	47.5	Thickness 3	7	
For TTFP 203 and TTFP 2035				TTFPA 20	5 pairs	69	60.5	Thickness 8	13	

Remark: Body color is gray. But earth terminal block is in green and yellow, 2-tone color.



Rating when the product is used as UL.c-UL-us certified part or EN/IEC standard certified part (TÜV certification CE)

Type name	Rated voltage (V)	Rated current (A)	EN/IEC standard		Rated current (A)	UL standard		Note 2 FW	c-UL-us standard	
			Applicable wire (AWG/MCM) Note 1			Applicable wire (AWG/MCM) Note 1			Rated current (A)	Applicable wire (AWG/MCM) Note 1
			Single wire	Stranded wire		Single wire	Stranded wire			
TFP 15	600	15	20 to 16 (0.5 to 1.5mm ²)	20 to 16 (0.5 to 1.5mm ²)	10	20 to 16	20 to 16	2	10	20 to 16
TFP 20	600	20	20 to 14 (0.5 to 2.5mm ²)	20 to 14 (0.5 to 2.5mm ²)	20	20 to 14	20 to 14	1	20	20 to *14
TFP 20+	600	—	—	—	15			2	—	—
TFP 40	600	40	18 to 10 (0.75 to 6mm ²)	18 to 10 (0.75 to 6mm ²)	30	18 to 10	18 to 10	1	30	18 to *10
TFP 40+	600	—	—	—	25	18 to 12	18 to 12	2	—	—
TFP 80	600	60	16 to 8 (1.5 to 10mm ²)	16 to 8 (1.5 to 10mm ²)	65	16 to 10	16 to *6	1	65	16 to *6
		80	—	*6(16mm ²)						
TFP 80+	600	—	—	—	30	14 to 12	—	2	—	—
TTFP 203	600	20	20 to 14 (0.5 to 2.5mm ²)	20 to 14 (0.5 to 2.5mm ²)	15	20 to 14	20 to 14	2	15	20 to 14
TTFP 2035	600	20	20 to 14 (0.5 to 2.5mm ²)	20 to 14 (0.5 to 2.5mm ²)	15	20 to 14	20 to 14	2	15	20 to 14
TFE 20	600	—	20 to 14 (0.5 to 2.5mm ²)	20 to 14 (0.5 to 2.5mm ²)	—	20 to 14	20 to 14	1	—	20 to *14
TFE 20+	600	—	—	—	—	20 to 16	18 to 14	2	—	—
TFE 40	600	—	18 to 10 (0.75 to 6mm ²)	18 to 10 (0.75 to 6mm ²)	—	18 to 10	18 to 10	1	—	18 to *10
TFE 40+	600	—	—	—	—	16 to 12	16	2	—	—

Notes:

- The table above is based on connection to the copper bare wire and the crimp terminal. The applicable wires with * indicates connection to the crimp terminal only. Use UL standard parts and c-UL-us standard parts for crimp terminal. Be careful for the following points:
 - Connection to crimp terminal: Use the crimp terminal with insulated coating or insulate the bare crimp terminal with sleeve, tube or tape.
 - Connection to two bare wires: Connect the wire with the same size and type (single wire or stranded). Do not connect the wires with different sizes and types.
- FW1: Factory wiring, FW2: Factory wiring and field wiring
- When FW2 is used in TFP20, TFP40, TFP80, TFE20 and TFE40, use the rating with (+) at the end of the type name.

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