

# FTG Enclosed Finger-Safe Power Distribution Blocks



FTG single pole compact power distribution blocks offer many innovative refinements including selectable phase identification, color marking plates, simple and secure DIN mounting clips, incoming cable safety slide, and connection clips for multipole applications.

## Features

- Adjustable dial allows for selection of L1-L2-L3 phase designation
- Red, green, and blue colored marking plates included with part numbers ending in "C"
- Simple and secure DIN rail locking clip allows easy mounting on DIN rail
- Panel mounting option
- Incoming cable safety slide assures IP20 protection with all conductor sizes
- Connection clip included with each PDB for multipole applications
- Suitable for aluminum or copper conductors rated 75°C [167°F]
- IEC 60947-7-1
- Listed to UL 1953 file QPQS-E483207
- 2014/35/EU (Low Voltage Directive)
- 2011/65/EU Annex II 2015/863/EU



## FTG Enclosed Finger-Safe Power Distribution Blocks Selection Guide

Part Number	Price	Amps	Voltage	Wire Type	Poles	Line Side		Load Side		PDB Block Material	Housing Color	Mounting	Drawing
						Openings	Wire Size	Openings	Wire Size (AWG)				
<a href="#">38680C</a>	\$19.00	85A	IEC: 1000VAC 1500VDC  UL: 1000 VAC/VDC	Cu or Al	1	1	3 to 14 AWG	6	8 to 14	Tin-plated aluminum	Light gray, dark gray	Panel or 35mm DIN rail	<a href="#">PDF</a>
<a href="#">38682C</a>	\$23.00	115A			1	1	1 to 14 AWG	6	4 to 14				<a href="#">PDF</a>
<a href="#">38684C</a>	\$28.00	175A			1	1	2/0 to 14 AWG	4	2 to 14				<a href="#">PDF</a>
<a href="#">38686C</a>	\$42.00	255A			1	1	250 kcmil to 2 AWG	6	2 to 14				<a href="#">PDF</a>
<a href="#">38688C</a>	\$49.00	380A			1	1	500 kcmil to 2/0 AWG	6	2 to 14				<a href="#">PDF</a>



[38680C](#)



[38684C](#)



[38688C](#)

## Short Circuit Current Rating

These power distribution blocks have been investigated for high short circuit current ratings according to IEC/UL. They have a 100kA, 600VAC SCCR rating with specific overcurrent protection devices.

Part Number	38680	38682	38684	38686	38688
<b>Fuse Class &amp; Amp Rating</b>	RK5 100A RK1 100A J 100A	RK5 100A RK1 100A J 200A	RK5 200A RK1 200A J 200A	RK5 200A RK1 400A J 400A	RK5 200A RK1 400A J 450A

## Connection Cross Section

Part Number	Single- / Multi-wire	With Sleeve / Ferrule	Rated Current
<a href="#">38680C</a>	1 x 2.5 - 25mm <sup>2</sup> (14 - 3 AWG) 6 x 2.5 - 10mm <sup>2</sup> (14 - 8 AWG)	1 x 2.5 - 25mm <sup>2</sup> (14 - 3 AWG) 6 x 1.5 - 6mm <sup>2</sup> (14 - 10 AWG)	IEC: 80A Cu, 63A Al UL: 85A Cu, 65A Al
<a href="#">38682C</a>	1 x 2.5 - 50mm <sup>2</sup> (14 - 1 AWG) 6 x 2.5 - 25mm <sup>2</sup> (14 - 4 AWG)	1 x 2.5 - 35mm <sup>2</sup> (14 - 2 AWG) 6 x 2.5 - 16mm <sup>2</sup> (14 - 6 AWG)	IEC: 125A Cu, 100A Al UL: 115A Cu, 90A Al
<a href="#">38684C</a>	1 x 2.5 - 70mm <sup>2</sup> (14 - 2/0 AWG) 4 x 2.5 - 25mm <sup>2</sup> (14 - 4 AWG)	1 x 2.5 - 50mm <sup>2</sup> (14 - 1/0 AWG) 4 x 2.5 - 16mm <sup>2</sup> (14 - 6 AWG)	IEC: 175A Cu, 135A Al UL: 175A Cu, 135A Al
<a href="#">38686C</a>	1 x 35 - 120mm <sup>2</sup> (2 - 250 kcmil) 6 x 2.5 - 35mm <sup>2</sup> (14 - 2 AWG)	1 x 35 - 95mm <sup>2</sup> (2 - 4/0 AWG) 6 x 2.5 - 25mm <sup>2</sup> (14 - 4 AWG)	IEC: 250A Cu, 200A Al UL: 255A Cu, 205A Al
<a href="#">38688C</a>	1 x 70 - 240mm <sup>2</sup> (2/0 - 500 kcmil) 6 x 2.5 - 35mm <sup>2</sup> (14 - 2 AWG)	1 x 70 - 185mm <sup>2</sup> (2/0 - 400 kcmil) 6 x 2.5 - 25mm <sup>2</sup> (14 - 4 AWG)	IEC: 415A Cu, 360A Al UL: 380A Cu, 310A Al

# FTG Enclosed Finger-Safe Terminal Blocks



FTG enclosed terminal blocks feature finger-safe construction and are suitable for use with aluminum or copper wires for maximum safety and flexibility. DIN rail or surface mounting makes installation fast and easy.

## Features

- Suitable for copper or aluminum conductors
- 10kA SCCR; 600VAC/DC
- Plated aluminum construction
- Finger-safe construction per IP20
- DIN rail or surface mounting
- Hex screw input and output connections
- UL1059 recognized file # E98082
- 2014/35/EU (Low Voltage Directive)
- 2011/65/EU Annex II 2015/863/EU



## FTG Enclosed Finger-Safe Terminal Blocks Selection Guide

Part Number	Price	Amps	Number of Poles	Line Side		Load Side		Mounting	Terminal Block Material	Drawing	
				Openings	Wire Size	Openings	Wire Size				
<a href="#">38049AL</a>	\$14.00	80	1	3	4 to 14 AWG	4	10 to 14 AWG	Panel or 35mm DIN rail	Brass, PA66-V0, steel	<a href="#">PDF</a>	
<a href="#">38641</a>	\$16.50	115	1	1	2 to 8 AWG	6	4 to 14 AWG		Aluminum, PA66-V0, steel	<a href="#">PDF</a>	
				1	4 to 14 AWG						
<a href="#">38676</a>	\$18.50	115	1	1	2 to 8 AWG	10	4 to 14 AWG		Aluminum, PA66-V0, steel	<a href="#">PDF</a>	
<a href="#">38675</a>	\$45.00	115	3	1	2 to 8 AWG	6	4 to 14 AWG			<a href="#">PDF</a>	
<a href="#">38674</a>	\$23.00	175	1	1	2/0 to 8 AWG	10	4 to 14 AWG		Aluminum, PA66-V0, steel	<a href="#">PDF</a>	
<a href="#">38673</a>	\$45.00	175	3	1	2/0 to 8 AWG	6	4 to 14 AWG			<a href="#">PDF</a>	
<a href="#">38620</a>	\$37.50	225	1	1	250 kcmil to 2 AWG	2	2 to 14 AWG		Panel or 35mm DIN rail	Brass, PA66-V0, steel	<a href="#">PDF</a>
						5	6 to 14 AWG				
						4	8 to 14 AWG				
<a href="#">38019AL</a>	\$45.00	310	1	1	350 kcmil to 3/0 AWG	2	2 to 14 AWG	Aluminum, PA66-V0, steel	<a href="#">PDF</a>		
						5	6 to 14 AWG				
<a href="#">38057</a>	\$48.00	355	1	1	400 kcmil to 6 AWG	1	400 kcmil to 6 AWG	Aluminum, PA66-V0, steel	<a href="#">PDF</a>		
<a href="#">38059</a>	\$82.00	840	1	2	600 kcmil to 4 AWG	2	600 kcmil to 4 AWG		<a href="#">PDF</a>		



[38049AL](#)



[38620](#)

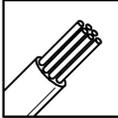


[38059](#)

# FTG Enclosed Finger-Safe Terminal Blocks



## 38049AL and 38019AL Conductor Cross Sections and Tightening Torque

Part Number	Connections	Solid / Multi-stranded		Stranded With Sleeve		Torque (N·m [lb·in])
						
38049AL	3 x Ø 7mm	2.5 mm <sup>2</sup> - 25mm <sup>2</sup> 14 AWG - 4 AWG		2.5 mm <sup>2</sup> - 16mm <sup>2</sup> 14 AWG - 6 AWG		1.5 [13.5]
	4 x Ø 4.5 mm	2.5 mm <sup>2</sup> - 6mm <sup>2</sup> 14 AWG - 10 AWG				0.8 [7.2]
38019AL	1 x Ø 20mm	95mm <sup>2</sup> - 185mm <sup>2</sup> 3/0 AWG - 350 kcmil		95mm <sup>2</sup> - 150mm <sup>2</sup> 3/0 AWG - 300 kcmil		26 [230]
	2 x Ø 9mm	2.5 mm <sup>2</sup> - 35mm <sup>2</sup> 14 AWG - 2 AWG		2.5 mm <sup>2</sup> - 25mm <sup>2</sup> 14 AWG - 4 AWG		3.5 [31]
	5 x Ø 6.8 mm	2.5 mm <sup>2</sup> - 16mm <sup>2</sup> 14 AWG - 6 AWG				1.5 [13.5]
	4 x Ø 6.2 mm	2.5 mm <sup>2</sup> - 10mm <sup>2</sup> 14 AWG - 8 AWG				2 [18]