

Quick Reference Guide FASTON Terminals - Brazil

Speed of application – uniform reliability – low per-line cost. These advantages have made TE's FASTON products the industry leader in the appliance and automotive industries. A complete line of application tooling has been developed specifically for these terminals. Crimping dimensions for each terminal are precisely controlled so all connections are identical in performance.

Key Features

- Insulated and uninsulated
- Straight and flag configurations
- Stress relieved receptacles
- Various plating options
- Positive Lock solutions
- High temperature solutions
- Application tooling

Applications

- Washing machines
- Dryers
- Electric and Gas Ranges
- Wall Ovens
- Dishwashers
- Refrigeration
- HVAC
- Automotive











Connectors

FASTON Receptacles & FASTIN-FASTON Receptacles Positive Lock Receptacles & **Tabs & Connectors**

Connectors

FASTON is a product line designed for quick connections. It offers speed application, quality and uniform reliability.

- straight / flag, crimp / PCB / board mount versions
- receptacle / tab combinations available
- size 2.8/4.8/5.2/6.3/9.5mm, .110"/.187"/.205"/.250"/.312"
- available with or without insulation support

FASTIN-FASTON connectors offer the advantage of the FASTON technology in multiple applications.

Receptacle and tabs fully comply with FASTON products. Differentiated only by the addition of a locking lance to help ensure firm retention of contacts when snapped into housings.

Positive Lock receptacles are specifically designed to provide ease of assembly and secure retention to mating tabs. These unique features are attainable by the reduced insertion force and locking dimple. The receptacle locks onto mating tabs containing holes and is removable only by deflecting an integrally designed depressor prior to withdrawal.

1) Select Series - Tab width onto which the Receptacle is being plugged FASTON products are grouped according to tab width dimensions in series:

9.5mm ("375" Series)

6.3mm ("250" Series)

5.2mm ("205" Series)

4.8mm ("187" Series)

2.8mm ("110" Series)



* Receptacle series must match the mating tab width and thickness.

- 2) Select Wire Range AWG or sqmm
- 3) Select Wire Type & Terminal Orientation (straight or flag), then Crimp Style Method by which the terminal is applied to the wire

"F" Crimp



Most Common Crimp Used on Straight and Flag Terminals Offers Optimum Combination of Strength and Conductivity Method of Termination Provides Maximum Resistance to Vibration and Corrosion

Tab-Lok Crimp



- Featured on Flag Terminals
- Locking Tab on Wire Barrel is Inserted through a Slot on the Terminal itself

"C" Crimp



Featured on Flag Terminals Provides Reliable Electrical and Mechanical Performance with a Minimum Profile

- 4) Select Line Various configurations having the necessary features to provide a desired interconnect for the application:
- Premier, Low Insertion Force (LIF), Budget, Economy, Hermetic, Moldable, FASTIN-FASTON, Positive Lock,.....
- 5) Select specific criteria: Plating Requirements (Pre-Tin/Post Plating): Insulated Housing or pre-insulated terminal; Temperature/Environment (Silver, Nickel Plate,....); Agency Approvals UL/CSA/VDE/....); Solid Wire (Non-Magnet)

Materials and finishes:

Ph. Bronze Plain

Phosphor bronze is used in applications where brass would normally be corroded. Ex. ammonias.

Brass Plain

Plain brass is used frequently, where applications have optimal environmental conditions

Steel Nickel Plated

This combination allows a reliable connection at high temperatures, Ex.

Cooking appliances

Brass / Ph. Bronze Silver Plated

Silver plated connections allow the highest operating temperature and higher current carrying capacity corroded. Ex. ammonias.

Brass / Ph. Bronze Tin Plated

Tin plating of receptacle and tab improves operation at higher temperatures, and in addition helps to protect the connection against corrosion.

Typical operating conditions(*)

- + 90°C Plain
- +110°C Tin plated
- +130°C Silver plated
- +250°C Nickel plated steel
- (*) allowable connection temperature is the ambient temperature plus temperature rise of the terminal at normal operating conditions; for special applications / requests please contact TE Engineering

FASTON Receptacles, Tabs and Housings	Туре	Orientation	Part #	Mating interface	Wire Range mm [AWG]	Insulation Diameter mm [inches]	Material and Finish
	Recept	Straight	444334-1	6.35x0.81 [.250x.032]	0.30-0.90 [22-18]	2.30-3.30 [.091130]	Brass
			444334-2	6.35x0.81 [.250x.032]	0.30-0.90 [22-18]	2.30-3.30 [.091130]	TPBR
			444334-3	6.35x0.81 [.250x.032]	0.30-0.90 [22-18]	2.30-3.30 [.091130]	Brass
			880683-1	6.35x0.81 [.250x.032]	0.50-1.00 [20-17]	2.00-3.30 [.079130]	Brass
			444335-1	6.35x0.81 [.250x.032]	1.00-2.50 [17-13]	3.00-4.29 [.118169]	Brass
			444335-3	6.35x0.81 [.250x.032]	1.00-2.50 [17-13]	3.00-4.29 [.118169]	Brass
			881623-1	4.75x0.81 [.187x.032]	0.50-1.00 [20-17]	2.00-3.30 [.079130]	Brass
			881624-1	4.75x0.81 [.187x.032]	1.00-2.50 [17-13]	2.70-4.00 [.106157]	Brass
			881623-8	4.75x0.51 [.187x.020]	0.50-1.00 [20-17]	2.00-3.30 [.079130]	Brass
			626042-1	2.80x0.51 [.110x.020]	0.50-1.50 [20-15]	2.03-3.04 [.080120]	Brass
		Flag	626412-1	4.75x0.51 [.187x.020]	0.50-1.30 [20-16]	2.30-3.30 [.091130]	Brass
	Tab	Straight	626377-1	6.35x0.81 [.250x.032]	0.30-0.90 [22-18]	2.00-3.00 [.079118]	Brass
			880633-1	2.80x0.51 [.110x.020]	0.50-1.00 [20-17]	2.00-2.70 [.079106]	Brass
	Type	Orientation	Part #	Interface	Positions	Color	Material
	Recept Housing	Straight	1-735075-0	6.35 [.250]	1	Natural	94V-2 Nylon
			1-735075-5	6.35 [.250]	1	Black	94V-2 Nylon
			1-880488-1	4.75 [.187]	1	Natural	Nylon
Fastin-Faston Receptacles, Tabs and Housings	Туре	Orientation	Part #	Mating interface	Wire Range mm	Insulation Diameter	
					[AWG]	mm [inches]	Finish
	Recept	Straight	735222-1	6.35x0.81 [.250x.032]	1.00-2.50 [17-13]	3.00-4.30 [.118169]	Brass
	Recept	Straight	735222-2	6.35x0.81 [.250x.032]	1.00-2.50 [17-13]	3.00-4.30 [.118169]	TPBR
	Recept	Straight	1989879-1	6.35x0.81 [.250x.032]	0.30-1.00 [22-17]	2.30-3.30 [.091130]	Brass
	Recept	Straight	626094-2	6.35x0.81 [.250x.032]	0.50-1.00 [20-17]	2.28-3.30 [.090130]	TPBR
	Recept	Straight	881606-2	9.50x1.20 [.375x.047]	4.00-6.00 [11-9]	4.00-5.20 [.157205]	TPBR
	Tab	Straight	880688-1	.250	0.50-1.00 [20-17]	2.00-3.30 [.079130]	Brass
	Tab	Straight	880636-1	.250	1.00-2.50 [17-13]	2.70-3.70 [.106146]	Brass
	Tab	Straight	880636-2	.250	1.00-2.50 [17-13]	2.70-3.70 [.106146]	TPBR
	Tab	Straight	1599052-1	.250	4.00-6.00 [11-9]	3.20-4.30 [.126169]	PhBr
	Type	Orientation	Part #	Interface	Positions	Color	Material
	Housing	3 Way T	880573	6.35 [.250]	3	Natural	94V-2 Nylon
	Tab Hsg	Straight	880309-1	6.35 [.250]	1	Natural	94V-2 Nylon
	Tab Hsg	2 Way T	880310-1	6.35 [.250]	2	Natural	94V-2 Nylon
ck SS	Type	Line	Part #	Mating interface	Wire Range mm [AWG]	Insulation Diameter mm [inches]	Material and Finish
9 🖁	Recept	Mark I	880646-1	6.35x0.81 [.250x.032]	0.50-1.00 [20-17]	2.00-3.30 [.079130]	Brass
ta	Recept	Mark I	880646-5	6.35x0.81 [.250x.032]	0.50-1.00 [20-17]	2.00-3.30 [.079130]	TPBR
Positive Lock Receptacles	Recept	Mark I	880645-1	6.35x0.81 [.250x.032]	1.00-2.50 [17-13]	2.70-4.00 [.106157]	Brass
	Recept	Mark I	880645-6	6.35x0.81 [.250x.032]	1.00-2.50 [17-13]	2.70-4.00 [.106157]	TPBR
	Recept	Mark II	626581-1	6.35x0.81 [.250x.032]	0.50-1.50 [20-15]	2.10-2.90 [.083114]	Brass
	Recept	Mark III	1380088-1	6.35x0.81 [.250x.032]	0.50-1.00 [20-17]	2.00-2.70 [.079106]	Brass
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Current Carrying Capacity

size 2.8mm 14A max with 1.5mm² wire size size 4.8mm / 5.2mm 20A max with 2.5mm² wire size size 6.3mm 28A max with 4 or 6mm² wire size size 9.5mm 50A max with 10mm² wire size

Plastic Insulation Material

The following list shows various plastics and their application temperatures.

High temp. polyamide (nylon).150°CPolyamide, (nylon).125°CPolypropylene.105°CPolyester.90°CPolyethylene.75°CA.B.S.70°CPVC.60°C

Note: For information related to Glow Wire Temperature ratings and specific product temperatures please contact TE Engineering.

www.te.com/products/faston

FOR MORE INFORMATION

TE Technical Support Center

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For other country number go to te.com/supportcenter

Part numbers in this brochure are RoHS Compliant*, unless marked otherwise.

*as defined www.te.com/leadfree

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