FASTON Housings

Product Facts

- **Straight, right-angle, multiple position and special application housings available**
- **Various materials and temperature ratings available**
- **Accept FASTON receptacles**
- **Special application housings include microswitch, gas valve, wax motor and water valve housings**
- **Available in .312, .250, .205, .187 and .110 Series**
- **Translucent plastic insulating sleeves in both straight and flag configurations**



FASTON housings are designed to be used with the FASTON terminal line. They come in sizes ranging from .312, .250, .205, .187 and .110 and are available in multiple positions and configurations. Included in this line are special connectors, including water valve connectors, microswitch connectors, gas valve connectors, and various other special application connectors. Many of these housings are available in both V-2 and V-0 rated materials. Translucent plastic insulating sleeves are available for use with FASTON receptacles and flags.

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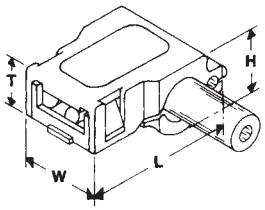
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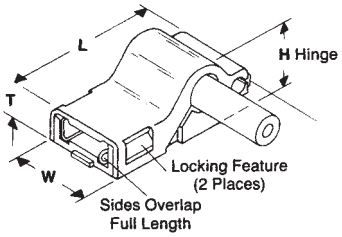
FASTON Housings (Continued)

AMPIP Post-Insulation Pods

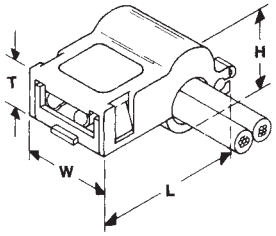
Flag Style
Receptacle Housings



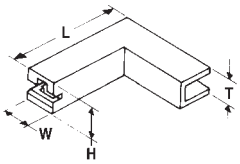
A
.250 Series



B
.250 Series



C
.187 Series

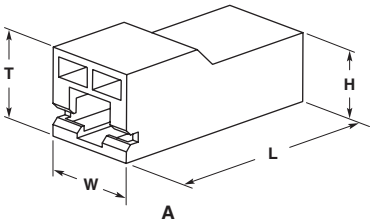


D
.110 Series

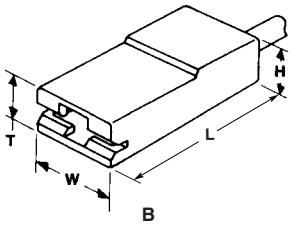
Style	Material	UL 94[1]	Color	Insulation Dia. Max.	Dimensions L	T	W	H	Part Number	Type	Accepts Terminal	UL	CSA
A	Nylon	V2	Natural	.210 5.33	.787 19.99	.266 6.76	.448 11.38	.360 9.14	1-480298-0	Continuous Strip	"250" Series Flag FASTON Tab-Lok Receptacles 41531, 41532, 42511, 61156, 63445	X	X
									1-480307-1	Loose Piece			
		V0	Natural						1-480307-7				
		V2	Nat. 150°						1-480307-6				
		V2	Natural						1-480307-8[3]			—	—
B	Nylon	V2	Natural	.140 3.56 or (2) .110 2.79	.732 18.59	.180 4.57	.460 11.68	.315 8.00	1-480296-0	Continuous Strip	"250" Series Flag FASTON Commercial Receptacle 60290, 60736, 62418	X	X
									1-480306-1	Loose Piece			
C	Nylon	V2	Natural	.175 4.45	.699 17.75	.230 5.84	.430 10.92	.320 8.13	1-480487-2	Loose Piece	"187" Series Tab-Lok Flag FASTON[2]	X	X
		V	Natural						1-480487-4[3]			—	—
D	Nylon	V2	Natural	—	.550 13.97	.205 5.21	.225 5.72	.200 5.08	360040-1	Loose Piece	"110" Series FASTON 61070, 61481, 62336	X	X

[1] Flammability rating of plastic material. [2] Does not accept commercial series. [3] Material according to IEC 60335-1.

Straight Style
Receptacle Housing



A
.312 Series



B
.250 Series

Style	Type	Material	UL 94[1]	Color	Insulation Dia. Max.	Dimensions L	T	W	H	Part Number	Accepts Terminal	UL	CSA
A	Loose Piece	Nylon	V0	Black	.200 5.08	1.035 26.29	.400 10.16	.440 11.18	.310 7.87	1969186-1	"312" Series FASTON Receptacles	X	X
			V2	Natural						1969186-2			
B	Loose Piece	Nylon	V2	Natural	.260 6.60	.961 24.40	.181 4.60	.358 9.10	.314 8.00	171706-1	"250" Series FASTON Receptacles[3]	X	X
			V2	Natural	.224 5.69	1.03 26.20	.225 6.70	.490 12.40	.285 7.20	521053-1		—	—
			V2	Natural	.200 5.08	.920 23.37	.280 6.60	.390 9.91	.298 7.57	1-480416-0		X	X
			V0	Natural						1-480416-7			
			V2	Natural 150°						1-480416-8			
				Black						1-480416-1			
				Natural						2-480416-2[2]		—	—
			V2	Natural	.187 4.75	.995 25.30	.193 4.90	.354 9.00	.252 6.40	280232		—	—
			V0	Natural	.187 4.75	.995 25.30	.193 4.90	.354 9.00	.252 6.40	280232-6		—	—
			V2	Natural	.169 4.30	.960 24.40	.181 4.60	.366 9.30	.209 5.30	336369-1		X	—
		Polypropylene	HB	Clear	.161 4.10	.960 24.40	.181 4.60	.362 9.20	.209 5.30	735075		X	—

[1] Flammability rating of plastic material. [2] Material according to IEC 60335-1.
[3] Contact product engineering for terminal recommendations when using these insulators with 10 AWG.

Note: All part numbers are RoHS compliant.

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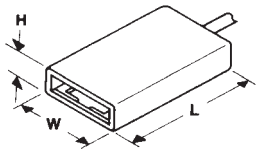
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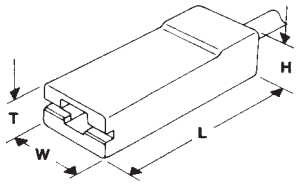
FASTON Housings (Continued)

AMPIP Post-Insulation Pods (Continued)

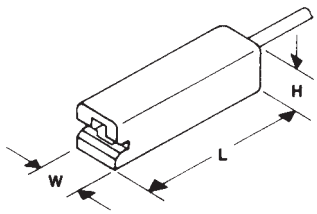
Straight Style
Receptacle Housing (Continued)



C
.250 Series



D
.205/.187 Series



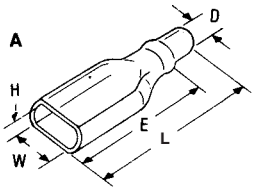
E
.110 Series

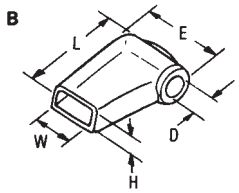
Style	Type	Material	UL 94[1]	Color	Insulation Dia. Max.	Dimensions L	T	W	H	Part Number	Accepts Terminal		
C	Loose Piece	Nylon	V2	Natural	**.125** 3.18	**.955** 24.26	—	**.570** 14.48	**.190** 4.83	1-480458-0	"250" Series FASTON Economy Receptacles 42660, 42743, 42845, 61202	X	X
D	Loose Piece	Nylon	V2	Natural	**.180** 4.57	**.775** 19.69	**.225** 5.72	**.338** 8.59	**.245** 6.22	1-480418-0	"205" Series FASTON Receptacles 42197, 42198, 42710, 42712, 42713, 60904	X	X
				Natural	**.170** 4.32	**.775** 19.69	**.215** 5.46	**.308** 7.82	**.235** 5.97	1-480435-0	"187" Series FASTON Receptacles 42373, 42374, 42452, 42453, 42617, 60487, 60573, 62137, 62138, 62187, 63475, 63477	X	X
										1-480435-5[2]		—	—
E	Loose Piece	Nylon	V2	Natural	**.150** 3.81	**.790** 20.07	—	**.235** 5.97	**.240** 6.10	1-480417-0	"110" Series FASTON Receptacles 42067, 42068, 42236, 42398, 42399, 42415, 60118, 60197, 60577, 60601, 60729, 61158, 61400, 61457, 61818, 62050, 62094, 62191, 62345	X	X
				Black	**.150** 3.81	**.790** 20.07	—	**.235** 5.97	**.240** 6.10	1-480417-1		X	X

[1] Flammability rating of plastic material.
[2] Material according to IEC 60335-1.

Insulation Sleeves For FASTON Receptacle

Material — Soft Vinyl Chloride Cloudy





Style	FASTON Series	Dimensions D	E	L	W	H	Part Number
A	250	**.079** 2.00	**.748** 19.00	**.945** 24.00	**.315** 8.00	**.138** 3.50	170823-3
		.098 2.50					170823-2
		.126 3.20	**.866** 22.00	**1.06** 27.00	**.315** 8.00	**.138** 3.50	1-170823-8
		.138 3.50	**.787** 20.00	**.984** 25.00	**.315** 8.00	**.138** 3.50	1-170823-5
			1.18 30.00	**1.38** 35.00			1-170823-9
			1.38 35.00	**1.57** 40.00			2-170823-0
		.189 4.80	**.787** 20.00	**.984** 25.00	**.315** 8.00	**.138** 3.50	170823-6
	205	**.098** 2.50	**.709** 18.00	**.906** 23.00	**.256** 6.50	**.118** 3.00	4-170823-1
	187	**.087** 2.20	**.709** 18.00	**.906** 23.00	**.228** 5.80	**.087** 2.20	1-170823-3
		.098 2.50	**.591** 15.00	**.787** 20.00	**.228** 5.80		1-170823-4
	110	**.071** 1.80	**.300** 16.00	**.827** 21.00	**.157** 4.00	**.083** 2.10	170823-9
		.098 2.50					170823-1
B	250	**.126** 3.20	**.571** 14.50	**.728** 18.50	**.335** 8.50	**.177** 4.50	170891-1
		.189 4.80					170891-2
	187	**.126** 3.20	**.488** 12.40	**.587** 14.90	**.256** 6.50	**.118** 3.00	3-170823-8

Note: All part numbers are RoHS compliant.

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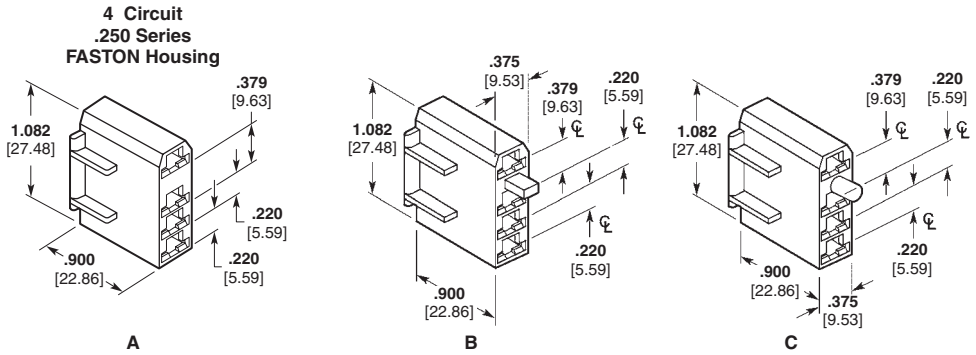
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FASTON Housings (Continued)

Multi-Position Housings

.250 [6.35] Series

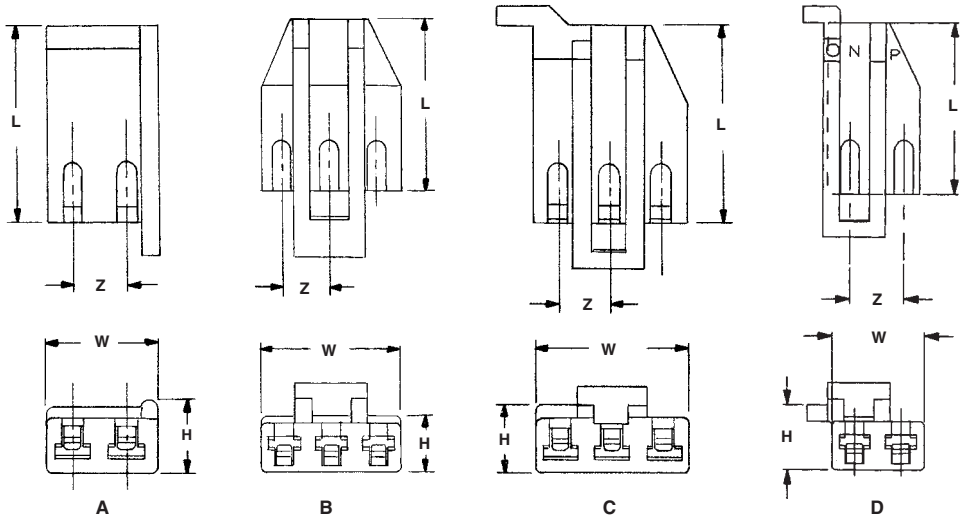


Style	Material	UL 94[1]	Color	Part Number	Accepts Terminals		
A	Nylon	V2	Black	520987-1	.250 Low Insertion Terminals	X	X
			Natural	520987-2		X	X
				520987-6[2]		—	—
		V0	Black	520987-4		X	X
			Natural	520987-5		—	—
B	Nylon	V2	Black	521065-1	.250 Low Insertion Terminals	X	X
C	Nylon	V2	Black	521066-1	.250 Low Insertion Terminals	X	X

[1] Flammability rating of plastic material.
[2] Material according to IEC 60335-1.

Multi-Position Housings

.110 [2.79] Series Ignition Connectors



Style	Material	UL 94[1]	Color	Dimensions Z	Dimensions W	Dimensions H	Dimensions L	Part Number	Accepts Terminal[2]		
A	Nylon	V2	Black	**.224** 5.69	**.470** 11.94	**.305** 7.75	**.825** 20.96	520206-2	62942, 63021, 63093	X	X
D	Nylon	V2	Black	**.224** 5.69	**.444** 11.28	**.315** 8.00	**.827** 21.01	520217-2	62942, 63021, 63093	X	X
			Yellow					520217-3			
	Polyester	HB	Natural					520217-4			
B	Nylon	V2	Natural	**.224** 5.69	**.668** 16.97	**.235** 5.97	**.825** 20.96	520219-1	62942, 63021, 63093	X	X
			Black					520219-2			
	Polyester	HB	Black	**.224** 5.69	**.668** 16.97	**.235** 5.97	**.825** 20.96	520219-4			
C	Nylon	V2	Black	**.224** 5.69	**.444** 11.28	**.315** 8.00	**.866** 22.00	520220-2	63093	X	X

[1] Flammability rating of plastic material.
[2] For dimensions see TE customer drawing.

Note: All part numbers are RoHS compliant.

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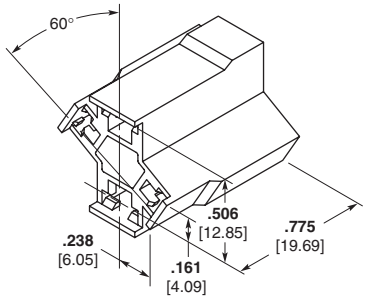
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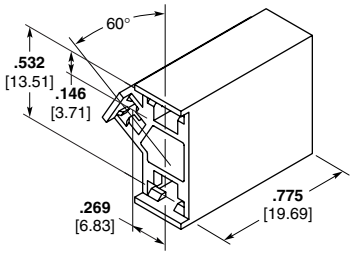
FASTON Housings (Continued)

Housings for Special Applications

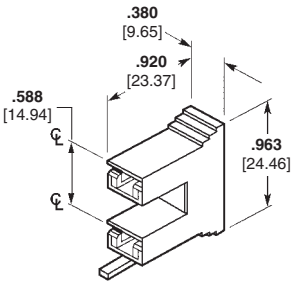
Appliance Connectors
Door Interlock Switch



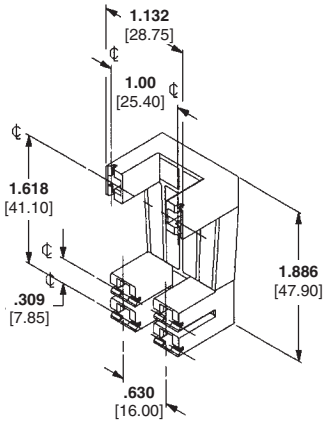
A



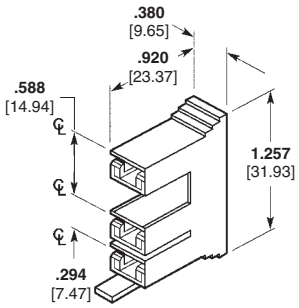
B



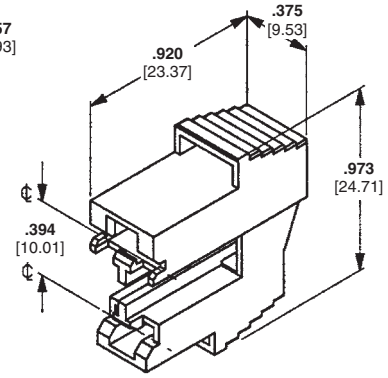
C
T-Motor Connector



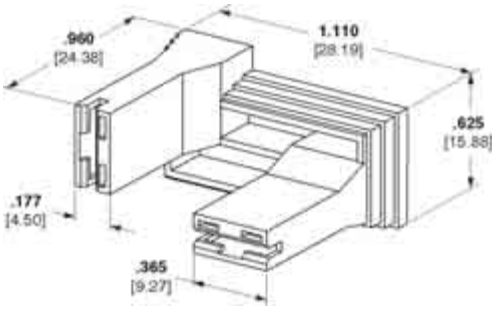
E
Potter & Brumfield Relay Connector



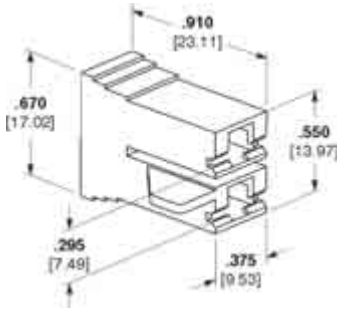
D
T-Motor Connector



F
Pressure Switch



G
T9A Relay Connector



H
RF Relay Connector

Style	Material	UL 94[1]	Color	Part Number	Accepts Terminals		
A	Nylon	V2	Natural 150°C	521251-1	110/187	X	—
B	Nylon	V2	Natural	520978-1	110/187	X	X
			Natural 150°C	520978-2	110/187	X	X
C	Nylon	V2	Natural	521069-1	250 LIF	X	X
D	Nylon	V2	Black	521070-1	250 LIF	X	X
E	Nylon	V2	Black	521140-1	63981-1	X	X
F	Nylon	V2	Black	521148-1	187 LIF/ 250 LIF	X	X
G	Nylon	V0	Natural	521785-1	250 LIF	X	X
H	Nylon	V0	Natural	521771-1	250 LIF	X	X

[1] Flammability rating of plastic material.

Note: All part numbers are RoHS compliant.

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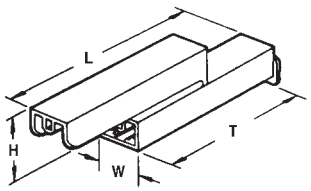
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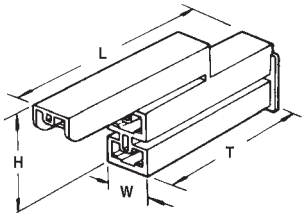
FASTON Housings (Continued)

Housings for Special Applications (Continued)

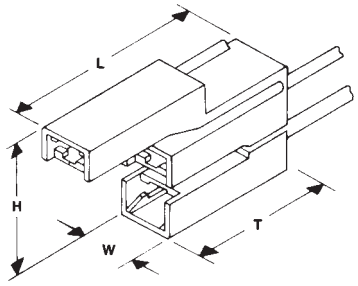
Microswitch Connectors



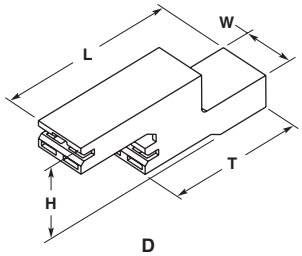
A



B



C

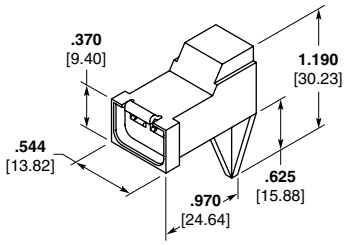


D

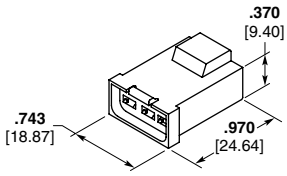
Style	Type	Material	UL 94[1]	Color	Insulation Dia. Max.	Dimensions L	T	W	H	Part Number	Accepts Terminal	.RU	CSA
A	Loose Piece	Nylon	V2	Natural	**.157** 4.00	**1.720** 43.70	**1.035** 26.30	**.307** 7.80	**.520** 13.20	174712-1	187 Series MK II Positive Lock Receptacles 170324, 170325, 170326	X	X
			V0	Natural	**.157** 4.00	**1.720** 43.70	**1.035** 26.30	**.307** 7.80	**.520** 13.20	1-174712-1			
B	Loose Piece	Nylon	V2	Natural	**.157** 4.00	**1.720** 43.70	**1.035** 26.30	**.307** 7.80	**.770** 19.50	172075-1	187 Series MK II Positive Lock Receptacles 170324, 170325, 170326	X	X
			V0	Natural	**.157** 4.00	**1.720** 43.70	**1.035** 26.30	**.307** 7.80	**.770** 19.50	1-172075-1			
C	Loose Piece	Nylon	V2	Natural	**.170** 4.32	**1.655** 42.04	**.845** 21.46	**.317** 8.05	**.875** 22.23	520212-1	187 Series FASTON Receptacles 42373, 42374, 42452, 42453, 42617, 60487, 60573, 62137, 62187	X	X
				Red						520212-2			
			V0	Natural						520212-3			
			V2	Natural	**.170** 4.32	**1.405** 35.69	**.845** 21.46	**.317** 8.05	**.875** 22.23	360010-1			
										360010-5[2]		—	—
			V0	Natural						360010-2		X	X
D	Loose Piece	Nylon	V0	Natural	**.195** 4.95	**1.500** 38.10	**.981** 24.92	**.370** 9.40	**.536** 13.61	521955-1	250 Series MK III Positive Lock Receptacles 63993, 63854, 1217092	X	X

[1] Flammability rating of plastic material.
[2] Material according to IEC 60335-1.

Gas Valve Connectors



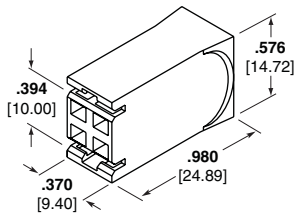
A



B

Style	Material	UL 94	Color	Part Number	Accepts Terminal	.RU	CSA
A	Nylon	V2	Natural	521306-1	1217345-1	X	X
B	Nylon	V2	Natural	521307-1	1217345-1	X	X

Wax Motor Connector



A

Style	Material	UL 94	Color	Part Number	Accepts Terminal	.RU	CSA
A	Nylon	V0	Natural	521766-1	250 Series FASTON and Positive Lock Mark III Terminals. Examples include 63306 and 63854.	X	X

Note: All part numbers are RoHS compliant.

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Netherlands: +31 (0) 73-6246-999
China: +86 (0) 400-820-6015

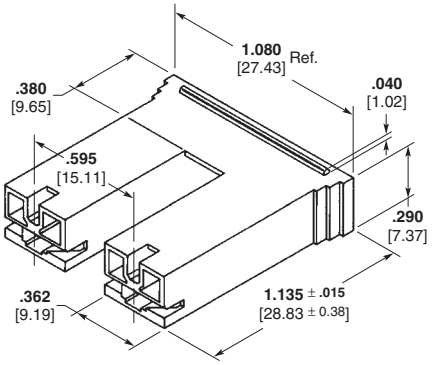
FASTON Housings (Continued)

250 Series
Water Valve Coil Connector

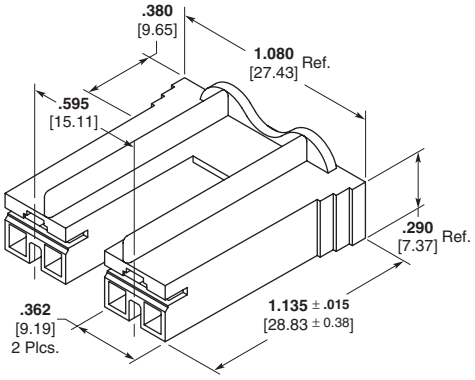
This connector is designed to mate with the appliance industry's standard water valve coil. The connector is suitable for such applications as washing machine mixing valves, dishwasher fill valves, and refrigerators with automatic ice makers. The housing has a unique internal cavity design to accommodate either two Positive Lock or two budget and LIF FASTON receptacles.

Product Facts

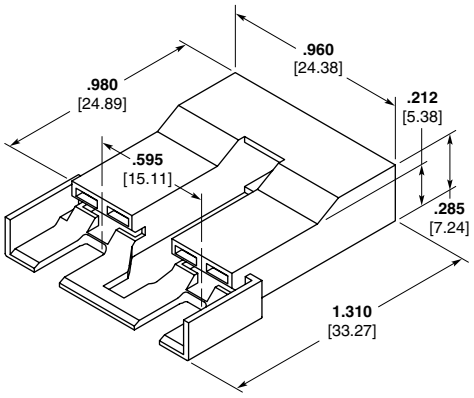
- **Helps prevent terminal back-out of housing through plastic retention feature**
- **Higher disengagement forces possible with Positive Lock or Low Insertion Force (LIF) FASTON receptacles (hole required in mating tab)**
- **Recognized under the Component Program of Underwriters Laboratories, Inc., File Nos. E28476 and E13288.**



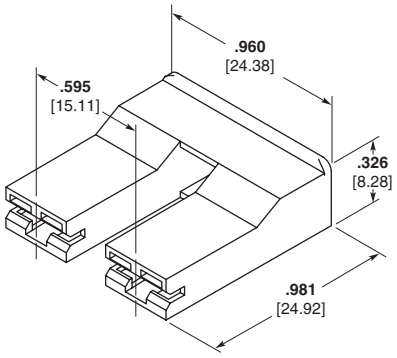
A



B



C



D

Style	Material	UL 94[2]	Color[4]	Part Number	Accepts		
A	Nylon	V2	Natural	520935-1	250 Series FASTON and Positive Lock Mark II Terminals. Examples Include 42400, 42510, 63306, 63097[1], 63119[1], 63239[1], and 170328[1]	X	X
			Red	520935-2			
			Black	520935-3[3]			
			Green	520935-4			
			Blue	520935-5			
			Yellow	520935-6			
			Brown	520935-7			
		V0	Natural	1-520935-1		X	X
			Red	1-520935-2			
			Blue	1-520935-5			
B	Nylon	V0	Natural	521229-1		X	—
			Red	521229-2			
C	Nylon	V2	Natural	521253-1	250 Series FASTON and Positive Lock Mark III Terminals. Examples Include 63306 and 63854	X	X
			Red	521253-2		X	X
		V0	Red	1-521253-2		X	X
			Green	1-521253-3		X	X
			Blue	1-521253-7		X	X
D	Nylon	V2	Natural	521119-1		X	X
			Putty	521119-2			
			Blue	521119-4			

[1] For Positive Lock mark II receptacles, refer to pages 78-83.
[2] Flammability rating of plastic material.
[3] Weather resistant material.
[4] Additional colors available.

Note: All part numbers are RoHS compliant.

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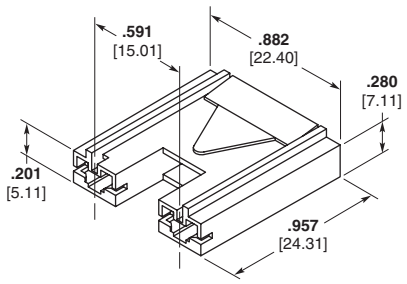
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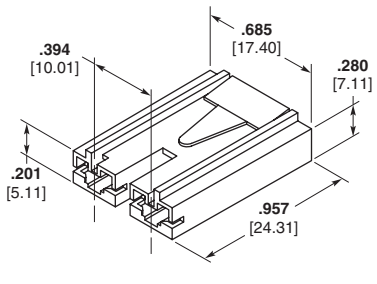
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FASTON Housings (Continued)

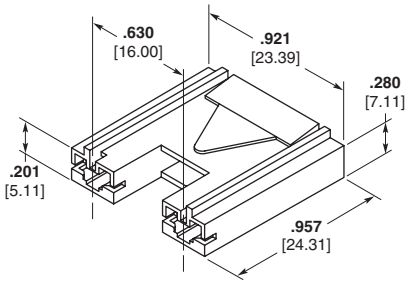
187 Series Connector



A
15mm Centerline



B
10mm Centerline



C
16mm Centerline

Style	Material	UL 94	Color	Part Number	Accepts Terminals
A	Nylon	V0	Natural	176498-1	170324, 170325, 170326
			Black	176498-2	
			Yellow	176498-4	
			Blue	176498-6	
B	Nylon	V0	Natural	179720-1	170324, 170325, 170326
			Black	179720-2	
			Yellow	179720-4	
			Blue	179720-6	
			Red	179720-7	
C	Nylon	V0	Natural	353148-1	170324, 170325, 170326
			Yellow	353148-4	
			Green	353148-5	
			Blue	353148-6	

Note: All part numbers are RoHS compliant.

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