Quick Reference Guide
PIDG Terminals & Splices

TE Connectivity's PIDG terminals are designed for uniform reliability in the most difficult circuit environments. They consist of a tin plated copper or tin plated phosphor bronze body for spring spades, plus a copper and colored insulation sleeve fitted over a terminal barrel. The many millions of AMP terminals & splices that are still deployed twenty years after installation are a testament to the rigorous testing and research that went into their design and manufacturing. The specialized design of tool dies and the construction of the terminal allows for uniform insulation thickness under crimping pressure, transmitting this pressure evenly to the center of the crimping area. Many of the TE PIDG terminals meet or exceed the requirements of MIL-T-7928, Type II, Class 1 and 2.

FEATURES AND BENEFITS

- Terminals are made of high conductivity copper
- PIDG terminals have copper sleeve for improved wire insulation support
- The body has serrations for maximum contact and tensile strength
- Most parts are available as small packages, but bulk quantities can also be ordered
- Specific tooling dedicated for different volumes and / or circumstances is available
- Insulation sleeves and the corresponding tooling are color-coded by wire-size for easier identification
- A wide variety of PIDG terminals and splices are UL listed and certified by CSA

PRODUCT APPLICATIONS

- Instruments/Control
- Lighting
- Power Supplies
- Panel Boxes
- Transportation
- Lifting equipment
- Motors
- Aerospace
- Appliances

MATERIAL

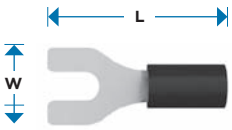
Insulation: Nylon, UL 94V-2
Terminal Body: Copper per ASTM B-152
Plating: Tin per ASTM B-545
Metallic Sleeve: Copper per ASTM B-152

Ring Tongue Terminals

Wire Size		Material Thickness		Studsize		Standard Part Number	Width (W)		Length (L)		Color	Max. Wire Insulation Dia.		Also available in[8]		Remarks
AWG	mm²	inch	mm	U.S.	mm		inch	mm	inch	mm		inch	mm	Tape & Reel	Small Pack	
26-24	0,12-0,24	.029	0,74	2	M2	54310-1	.203	5,16	.739	18,77	Yellow	.105	2,67	–	–	0, 6
				4	M2.5	52189	.203	5,16	.736	18,69	Yellow	.105	2,67	–	–	0, 6
				6	M3.5	53073	.250	6,35	.792	20,12	Yellow	.105	2,67	–	–	0, 6
				8	M4	54311-1	.281	7,14	.814	20,68	Yellow	.105	2,67	–	–	0, 6
				10		54312-1	.312	7,92	.868	22,05	Yellow	.105	2,67	✔	–	0, 6
26-22	0,12-0,41	.020	0,51	0		321013	.140	3,56	.525	13,34	Yellow	.082	2,08	–	–	
				2	M2	323912	.140	3,56	.525	13,34	Yellow	.082	2,08	✔	✔	
				2	M2	329951	.140	3,56	.615	15,62	Yellow	.082	2,08	–	✔	
				4	M2.5	323914	.203	5,16	.646	16,41	Yellow	.082	2,08	✔	✔	6
				5	M3	323915	.203	5,16	.646	16,41	Yellow	.082	2,08	✔	✔	
				6	M3.5	326875	.250	6,35	.740	18,80	Yellow	.082	2,08	✔	✔	6
				6	M3.5	323915	.203	5,16	.646	16,41	Yellow	.082	2,08	✔	✔	
				8	M4	323916	.250	6,35	.740	18,80	Yellow	.082	2,08	✔	✔	6
				10		324075	.250	6,35	.765	19,43	Yellow	.082	2,08	✔	✔	6
24-20	0,16-0,65	.025	0,64	2	M2	329636	.106	4,06	.589	14,96	White	.100	2,54	✔	–	
				4	M2.5	323985	.281	7,14	.774	19,66	White	.100	2,54	–	–	
				6	M3.5	323986	.281	7,14	.774	19,66	White	.100	2,54	✔	–	
				8	M4	323989	.312	7,92	.821	20,85	White	.100	2,54	✔	–	
				10		323990	.312	7,92	.821	20,85	White	.100	2,54	✔	–	
22-16	0,26-1,65	.033	0,84	2	M2	328657	.218	5,54	.672	17,07	Red	.125	3,18	✔	✔	
				4	M2.5	320553	.218	5,54	.672	17,07	Red	.125	3,18	✔	✔	6
				4	M2.5	31880	.218	5,54	.672	17,07	Red	.140	3,65	✔	✔	6
				4	M2.5	323758	.250	6,35	.844	21,44	Red	.125	3,18	✔	–	
				4	M2.5	330648	.250	6,35	.844	21,44	Red	.140	3,56	✔	–	
				6	M3.5	51863	.250	6,35	.782	19,86	Red	.125	3,18	✔	✔	
				6	M3.5	36151	.281	7,14	.797	20,24	Red	.125	3,18	✔	✔	
				6	M3.5	36152	.281	7,14	.797	20,24	Red	.140	3,56	✔	✔	
				6	M3.5	36149	.218	5,54	.672	17,07	Red	.125	3,18	✔	✔	6
				6	M3.5	36150	.218	5,54	.672	17,07	Red	.140	3,56	✔	✔	6
				8	M4	320554	.281	7,14	.797	20,24	Red	.125	3,18	✔	✔	
				8	M4	31886	.281	7,14	.797	20,24	Red	.140	3,56	✔	✔	
				8	M4	320551	.312	7,92	.844	21,44	Red	.125	3,18	✔	✔	6
				8	M4	31890	.312	7,92	.844	21,44	Red	.140	3,56	✔	✔	6
				10		320552	.281	7,14	.797	20,24	Red	.125	3,18	✔	✔	
				10		31887	.281	7,14	.797	20,24	Red	.140	3,56	✔	✔	
				10		36153	.312	7,92	.844	21,44	Red	.125	3,18	✔	✔	6
				10		36154	.312	7,92	.844	21,44	Red	.140	3,56	✔	✔	6
					M5	130008	.312	7,92	.850	21,60	Red	.140	3,56	✔	✔	
				1/4	M6	320571	.469	11,91	1.078	27,38	Red	.125	3,18	✔	✔	6
				1/4	M6	31894	.469	11,91	1.078	27,38	Red	.140	3,56	✔	✔	6
					M6	130046	.469	11,91	1.083	27,50	Red	.140	3,56	–	✔	
				5/16	M8	320572	.469	11,91	1.078	27,38	Red	.125	3,18	✔	✔	6
				5/16	M8	31895	.469	11,91	1.078	27,38	Red	.140	3,56	✔	✔	6
				3/8		320573	.531	13,49	1.218	30,94	Red	.125	3,18	✔	✔	6
				3/8		31897	.531	13,49	1.218	30,94	Red	.140	3,56	✔	✔	6
				1/2	M12	328975	.713	18,11	1.293	32,84	Red	.125	3,18	–	✔	6
16-14	1,04-2,62	.033	0,84	2	M2	324993	.180	4,57	.668	16,97	Blue	.170	4,32	–	–	
				4	M2.5	324159	.250	6,35	.703	17,86	Blue	.150	3,81	✔	✔	6
				4	M2.5	328996	.250	6,35	.703	17,86	Blue	.170	4,32	✔	✔	
				6	M3.5	320561	.250	6,35	.703	17,86	Blue	.150	3,81	✔	✔	6
				6	M3.5	320619	.250	6,35	.703	17,86	Blue	.170	4,32	✔	✔	

Ring Tongue Terminals (continued)

Wire Size		Material Thickness		Studsize		Standard Part Number	Width (W)		Length (L)		Color	Max. Wire Insulation Dia.		Also available in[8]		Remarks
AWG	mm²	inch	mm	U.S.	mm		inch	mm	inch	mm		inch	mm	Tape & Reel	Small Pack	
16-14	1,04-2,62	.033	0,84	6	M3.5	326882	.312	7,92	.813	20,65	Blue	.170	4,32	✔	✔	
				6	M3.5	51864	.312	7,92	.844	21,44	Blue	.150	3,81	✔	✔	6
				8	M4	51864-1	.312	7,92	.844	21,44	Blue	.150	3,81	✔	✔	6
				8	M4	320560	.343	8,71	.859	21,82	Blue	.150	3,81	✔	✔	
				8	M4	320565	.343	8,71	.859	21,82	Blue	.170	4,32	✔	✔	
				10		320574	.343	8,71	.859	21,82	Blue	.150	3,81	✔	✔	
				10		36160	.343	8,71	.859	21,82	Blue	.170	4,32	✔	✔	
					M5	130090	.343	8,71	.864	21,94	Blue	.150	3,80	✔	–	
					M5	130094	.343	8,71	.864	21,94	Blue	.170	4,30	✔	✔	
				1/4	M6	320563	.469	11,91	1.078	27,38	Blue	.150	3,81	✔	✔	6
				1/4	M6	321045	.469	11,91	1.078	27,38	Blue	.170	4,32	✔	✔	
				5/16	M8	320575	.469	11,91	1.078	27,38	Blue	.150	3,81	✔	✔	6
				5/16	M8	328998	.469	11,91	1.078	27,38	Blue	.170	4,32	✔	✔	
				3/8		320564	.531	13,49	1.218	30,94	Blue	.150	3,81	✔	✔	6
				3/8		328999	.531	13,49	1.218	30,94	Blue	.170	4,32	✔	✔	
				1/2	M12	328976	.713	18,11	1.293	32,84	Blue	.150	3,81	–	–	6
				1/2	M12	328849	.713	18,11	1.293	32,84	Blue	.170	4,32	–	✔	
12-10	2,62-6,64	.033	0,84	4	M2.5	35148	.281	7,14	.953	24,21	Yellow	.250	6,35	✔	✔	
				6	M3.5	320634	.281	7,14	.953	24,21	Yellow	.230	5,84	✔	✔	
				6	M3.5	35149	.281	7,14	.953	24,21	Yellow	.250	6,35	✔	✔	
				6	M3.5	320567	.375	9,53	1.083	27,51	Yellow	.230	5,84	✔	✔	6
				6	M3.5	35107	.375	9,53	1.083	27,51	Yellow	.250	6,35	✔	✔	6
				8	M4	35787	.312	7,92	1.031	26,19	Yellow	.230	5,84	✔	✔	
				8	M4	324915	.312	7,92	1.052	26,72	Yellow	.230	5,84	–	✔	
				8	M4	320568	.375	9,53	1.083	27,51	Yellow	.230	5,84	✔	–	6
				8	M4	35108	.375	9,53	1.083	27,51	Yellow	.250	6,35	✔	✔	6
				10		324918	.312	7,92	1.052	26,72	Yellow	.230	5,84	✔	✔	
				10		32883	.343	8,71	1.046	26,57	Yellow	.230	5,84	✔	✔	
					M5	130171	.375	9,53	1.090	27,68	Yellow	.250	6,35	✔	✔	
				10		36161	.375	9,53	1.083	27,51	Yellow	.230	5,84	✔	✔	6
				10		35109	.375	9,53	1.083	27,51	Yellow	.250	6,35	✔	✔	6
				1/4	M6	320569	.531	13,49	1.322	33,58	Yellow	.230	5,84	✔	✔	6
				1/4	M6	35110	.531	13,49	1.322	33,58	Yellow	.250	6,35	✔	✔	6
				5/16	M8	320576	.531	13,49	1.322	33,58	Yellow	.230	5,84	✔	✔	
				5/16	M8	35111	.531	13,49	1.322	33,58	Yellow	.250	6,35	✔	✔	6
				5/16	M8	160298	.500	12,70	1.188	30,18	Yellow	.250	6,35	✔	–	
				3/8		320577	.593	15,06	1.414	35,92	Yellow	.230	5,84	✔	✔	6
				3/8		35112	.593	15,06	1.414	35,92	Yellow	.250	6,35	–	✔	6
				1/2	M12	323784	.750	19,05	1.594	40,49	Yellow	.230	5,84	–	–	
				1/2	M12	35151	.750	19,05	1.594	40,49	Yellow	.250	6,35	–	✔	
				3/4		324615	1.25	31,75	2.219	56,36	Yellow	.230	5,84	–	–	

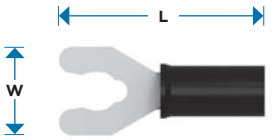


Spades: Standard Spade

26-22	0,10-0,41	.020	0,51	0		322001	.125	3,18	.476	12,09	Yellow	.082	2,08	–	–	
				4	M2.5	321035	.203	5,16	.627	15,93	Yellow	.082	2,08	✔	✔	
22-16	0,26-1,65	.033	0,84	2	M2	328394	.182	4,62	.727	18,47	Red	.140	3,56	✔	–	
				4	M2.5	327717	.218	5,54	.674	17,12	Red	.125	3,18	✔	✔	
				5	M3	34541	.297	7,54	.846	21,49	Red	.140	3,56	✔	✔	
				6	M3.5	34080	.297	7,54	.753	19,13	Red	.125	3,18	✔	✔	
				6	M3.5	326861	.297	7,54	.753	19,13	Red	.140	3,56	✔	✔	
				8	M4	32050	.375	9,53	.908	23,06	Red	.125	3,18	✔	✔	

Spades: Standard Spade (continued)

Wire Size		Material Thickness		Studsize		Standard Part Number	Width (W)		Length (L)		Color	Max. Wire Insulation Dia.		Also available in[8]		Remarks
AWG	mm²	inch	mm	U.S.	mm		inch	mm	inch	mm		inch	mm	Tape & Reel	Small Pack	
22-16	0,26-1,65	**.033**	0,84	**8**	M4	**32053**	**.375**	9,53	**.908**	23,06		**.140**	3,56	✔	✔	
				10		**32051**	**.375**	9,53	**.908**	23,06		**.125**	3,18	✔	✔	
				10		**32054**	**.375**	9,53	**.908**	23,06		**.140**	3,56	✔	✔	
16-14	1,04-2,62	**.033**	0,084	**4**	M2.5	**130527**	**.250**	6,35	**.813**	20,65		**.170**	4,32	–	✔	
				6	M3.5	**32058**	**.375**	9,35	**.908**	23,06		**.170**	4,32	–	✔	
				6	M3.5	**35559**	**.297**	7,54	**.753**	19,13		**.170**	4,32	✔	✔	
				8	M4	**32056**	**.385**	9,78	**.908**	23,06		**.150**	3,81	✔	✔	
				8	M4	**32059**	**.385**	9,78	**.908**	23,06		**.170**	4,32	✔	✔	
				10		**32057**	**.385**	9,78	**.908**	23,06		**.150**	3,81	–	–	
				10		**32060**	**.385**	9,78	**.908**	23,06		**.170**	4,32	✔	✔	
				12	M6	**130537**	**.475**	12,07	**1.103**	28,01		**.170**	4,32	–	✔	
12-10	2,62-6,64	**.042**	1,07	**6**	M3.5	**322985**	**.290**	7,37	**.954**	24,23		**.230**	5,84	✔	✔	
				6	M3.5	**326859**	**.312**	7,92	**1.095**	27,81		**.230**	5,84	✔	✔	
				8	M4	**32588**	**.406**	10,31	**1.095**	27,81		**.230**	5,84	✔	✔	
				8	M4	**35152**	**.406**	10,31	**1.095**	27,81		**.250**	6,35	✔	✔	
				10		**32589**	**.406**	10,31	**1.095**	27,81		**.230**	5,84	✔	✔	
				12	M6	**130625**	**0.531**	13,50	**1.299**	33,00		**0.252**	6,40	–	✔	



Short Spring Spade

26-22	0,12-0,40	**.020**	0,50	**6**	M3.5	**52924**	**.250**	6,35	**.679**	17,25		**.082**	2,08	✔	✔	1
22-16	0,26-1,65	**.033**	0,84	**4**	M2.5	**52927**	**.203**	5,16	**.799**	20,29		**.125**	3,18	✔	✔	1
				5	M3	**52928**	**.250**	6,35	**.799**	20,29		**.125**	3,18	✔	✔	1
				6	M3.5	**52929**	**.250**	6,35	**.799**	20,29		**.125**	3,18	✔	✔	1
				8	M4	**52930**	**.375**	9,53	**.860**	21,84		**.125**	3,18	✔	✔	1
				10		**52931**	**.406**	10,31	**.908**	23,06		**.125**	3,18	✔	✔	1
				12	M6	**52933**	**.625**	18,88	**1.033**	26,24		**.125**	3,18	–	✔	1
16-14	1,04-2,62	**.033**	0,84	**5**	M3	**52934**	**.250**	6,35	**.799**	20,29		**.170**	4,32	✔	✔	1
				6	M3.5	**52935**	**.250**	6,35	**.799**	20,29		**.170**	4,32	✔	✔	1
				8	M4	**52936**	**.375**	9,53	**.860**	21,84		**.170**	4,32	✔	✔	1
				10		**52937**	**.406**	10,31	**.908**	23,06		**.170**	4,32	✔	✔	1
				12	M6	**52939**	**.625**	15,88	**1.033**	26,24		**.170**	4,32	–	–	1
12-10	2,62-6,64	**.042**	1,07	**6**	M3.5	**52941**	**.250**	6,35	**.959**	24,36		**.250**	6,35	✔	✔	1
				8	M4	**52942**	**.375**	9,53	**1.052**	26,72		**.250**	6,35	✔	✔	1
				10		**52943**	**.406**	10,31	**1.100**	27,94		**.250**	6,35	✔	✔	1
				12	M6	**52945**	**.625**	15,88	**1.225**	31,12		**.250**	6,35	–	✔	1

Long Spring Spade

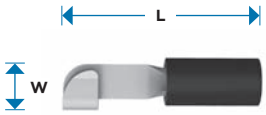
22-16	0,26-1,65	**.033**	0,84	**6**	M3.5	**52409**	**.250**	6,35	**.276**	7,01		**.125**	3,18	✔	✔	1
				8	M4	**52410**	**.281**	7,14	**.290**	7,37		**.125**	3,18	✔	✔	1
				10		**52411**	**.343**	8,71	**.303**	7,70		**.125**	3,18	✔	✔	1
16-14	1,04-2,62	**.033**	0,84	**6**	M3.5	**52420-1**	**.250**	6,35	**.933**	23,70		**.170**	4,32	✔	✔	1
				8	M4	**52421-1**	**.281**	7,14	**.979**	24,87		**.170**	4,32	✔	✔	1
				10		**52422-1**	**.343**	8,71	**1.005**	25,53		**.170**	4,32	✔	–	1
12-10	2,62-6,64	**.042**	1,07	**8**	M4	**52431-1**	**.375**	9,53	**1.174**	29,82		**.250**	6,35	✔	–	1
				10		**52432-1**	**.375**	9,53	**1.219**	30,96		**.250**	6,35	✔	–	1

Butt Splices

Wire Size		Material Thickness		Tab-Thickness		Standard Part Number	Width (W)		Length (L)		Color	Max. Wire Insulation Dia.		Also available in[8]		Remarks
AWG	mm²	inch	mm	U.S.	mm		inch	mm	inch	mm		inch	mm	Tape & Reel	Small Pack	
26-24	0,12-0,24	n.a.		n.a.		323994	n.a.		.890	22,61		.082	2,08	✔	–	6
26-22	0,12-0,41	n.a.		n.a.		2-323994-2	n.a.		.890	22,61		.082	2,08	–	✔	
24-20	0,16-0,65	n.a.		n.a.		323975	n.a.		1.035	26,29		.100	2,54	✔	–	6
22-16	0,26-1,65	n.a.		n.a.		320559	n.a.		1.265	32,13		.125	3,18	✔	✔	6
16-14	1,04-2,62	n.a.		n.a.		320562	n.a.		1.265	32,13		.150	3,81	✔	✔	6
12-10	2,62-6,64	n.a.		n.a.		320570	n.a.		1.656	42,06		.220	5,59	✔	✔	6

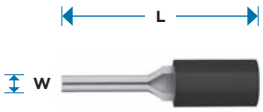
Stepdown Butt Splice

16-14 to 22-18 1,04-2,62 to 0,26-0,96		n.a.		n.a.		327583	n.a.		1.265	32,13		.150/.115 3,81/2,92		–	✔	5
12-10 to 22-18 2,62-6,64 to 0,26-0,96		n.a.		n.a.		327639	n.a.		1.656	42,06		.220/.140 5,59/3,56		–	–	5
12-10 to 16-14 2,62-6,64 to 1,04-2,62		n.a.		n.a.		327638	n.a.		1.656	42,06		.220/.170 5,59/4,32		–	–	5



Knife Disconnects

22-16	0,26-1,65	.031	0,79	n.a.	320555	.203	5,16	.878	22,3		.125	3,18	–	✔	
		.031	0,79	n.a.	32446	.203	5,16	.878	22,3		.140	3,56	✔	✔	
16-14	1,04-2,62	.031	0,79	n.a.	32448	.203	5,16	.878	22,3		.170	4,32	–	✔	
12-10	2,62-6,64	.040	1,02	n.a.	35762	.281	7,14	1.260	32		.250	6,35	–	✔	

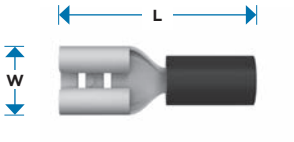


Wire Pins (formed)

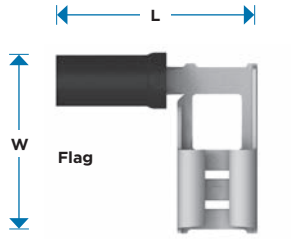
26-22	0,12-0,41	n.a.	n.a.	165514-1	.045	1,14	.716	18,20		.083	2,11	–	✔	
22-16	0,26-1,65	n.a.	n.a.	165142	.071	1,80	.795	20,20		.142	3,60	✔	–	
				165168	.071	1,80	.913	23,20		.142	3,60	–	✔	
16-14	1,04-2,62	n.a.	n.a.	165046	.071	1,80	.800	20,30		.170	4,30	–	✔	
				165172	.071	1,80	.929	23,60		.170	4,30	–	✔	
12-10	2,62-6,64	n.a.	n.a.	165049	.102	2,60	1.146	29,10		.248	6,30	–	✔	
				9-160404-2	.138	3,50	1.319	33,50		.248	6,30	–	✔	3

Wire Pins (flat)

22-16	0,26-1,65	.031	0,80	n.a.	131331	.116	2,95	.905	23,00		.142	3,60	–	✔	2
16-14	1,04-2,62	.031	0,80	n.a.	131330	.115	2,92	.891	22,63		.170	4,30	–	✔	2
12-10	2,62-6,64	.040	1,02	n.a.	131332	1.614	4,10	1.150	29,20		.252	6,40	–	–	



Standard



Flag

FASTON Receptacle (.250/6.35)

Wire Size		Material Thickness		Tab-Thickness		Standard Part Number	Width (W)		Length (L)		Color	Max. Wire Insulation Dia.		Also available in[a]		Remarks
AWG	mm²	inch	mm	U.S.	mm		inch	mm	inch	mm		inch	mm	Tape & Reel	Small Pack	
22-18	0,26-0,96	**.018**	0,46	**.032**	0,81	**640903-1**	**.300**	7,62	**.900**	22,86	●	**.140**	3,56	✔	✔	
22-16	0,30-1,50	**.016**	0,40	**.032**	0,81	**9-160583-2**	**.300**	7,62	**.874**	22,20	●	**.140**	3,56	✔	✔	3
16-14	1,04-2,62	**.018**	0,46	**.032**	0,81	**640905-1**	**.300**	7,62	**.900**	22,86	●	**.170**	4,32	✔	✔	
		.016	0,40	**.032**	0,81	**9-160313-2**	**.300**	7,62	**.913**	23,20	●	**.170**	4,32	✔	✔	3
12-10	2,62-6,64	**.018**	0,46	**.032**	0,81	**640907-1**	**.300**	7,62	**1.012**	25,70	●	**.250**	6,35	✔	✔	
11-10	4,00-6,00	**.018**	0,46	**.031**	0,80	**160314-2**	**.300**	7,62	**1.015**	26,00	●	**.250**	6,35	–	✔	3

FASTON Flag Receptacle (.250/6.35)

22-18	0,30-1,00	**.016**	0,40	**.032**	0,81	**156667-1**	**.610**	15,49	**.760**	19,30	●	**.140**	3,56	–	✔	3. 4
17-15	1,20-2,00	**.016**	0,40	**.032**	0,81	**156666-1**	**.610**	15,49	**.760**	19,30	●	**.170**	4,32	–	✔	3

FASTON Receptacle (.205/5.00)

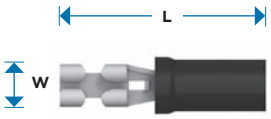
22-18	0,26-0,96	**.016**	0,41	**.020**	0,51	**640909-1**	**.250**	6,35	**.800**	20,32	●	**.140**	3,56	✔	✔	
		.016	0,41	**.032**	0,81	**640911-1**	**.250**	6,35	**.800**	20,32	●	**.140**	3,56	✔	✔	
16-14	1,04-2,62	**.016**	0,41	**.020**	0,51	**640913-1**	**.250**	6,35	**.800**	20,32	●	**.170**	4,32	✔	✔	
		.016	0,41	**.032**	0,81	**640915-1**	**.250**	6,35	**.800**	20,32	●	**.170**	4,32	✔	✔	

FASTON Receptacle (.187/4.80)

26-24	0,12-0,24	**.016**	0,41	**.020**	0,51	**641321-1**	**.230**	5,84	**.700**	17,78	●	**.082**	2,08	✔	✔	
22-18	0,26-0,96	**.016**	0,41	**.020**	0,51	**640917-1**	**.230**	5,84	**.800**	20,32	●	**.140**	3,56	✔	✔	
22-15	0,30-1,50	**.016**	0,40	**.020**	0,51	**9-160481-1**	**.226**	5,74	**.822**	20,88	●	**.140**	3,56	✔	✔	3
		.016	0,40	**.031**	0,80	**9-160483-1**	**.226**	5,74	**.822**	20,88	●	**.140**	3,56	✔	✔	3
16-14	1,04-2,62	**.016**	0,41	**.020**	0,51	**640919-1**	**.230**	5,84	**.800**	20,32	●	**.170**	4,32	✔	✔	
		.016	0,40	**.020**	0,50	**9-160477-2**	**.230**	5,84	**.862**	21,90	●	**.170**	4,30	✔	✔	3
		.016	0,40	**.031**	0,80	**9-160479-2**	**.226**	5,74	**.862**	21,90	●	**.170**	4,30	✔	✔	3

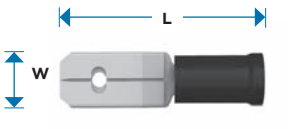
FASTON Receptacle (.110/2.80)

22-18	0,26-0,96	**.012**	0,30	**.020**	0,51	**61060-1**	**.148**	3,76	**.734**	18,64	○	**.110**	2,79	✔	✔	
		.012	0,30	**.032**	0,81	**60894-1**	**.148**	3,76	**.734**	18,64	○	**.110**	2,79	✔	✔	
22-16	0,30-1,50	**.010**	0,25	**.031**	0,80	**165566-1**	**.146**	3,70	**.780**	19,80	●	**.138**	3,50	–	✔	3
		.010	0,25	**.020**	0,50	**165565-1**	**.146**	3,70	**.780**	19,80	●	**.138**	3,50	✔	✔	3
16-14	1,50-2,50	**.010**	0,25	**.020**	0,51	**165616-2**	**.146**	3,70	**.780**	19,80	●	**.170**	4,30	✔	✔	3
		.010	0,25	**.031**	0,80	**165617-2**	**.146**	3,70	**.780**	19,80	●	**.170**	4,30	✔	✔	3



FASTON Receptacle (.110/2.80) Low insertion force

26-24	0,12-0,24	**.016**	0,41	**.020**	0,51	**641324-1**	**.160**	4,06	**.700**	17,78	●	**.082**	2,08	✔	–	
22-18	0,26-0,96	**.016**	0,41	**.016**	0,41	**640921-1**	**.160**	4,06	**.800**	20,32	●	**.140**	3,56	✔	–	
		.016	0,41	**.020**	0,51	**640923-1**	**.160**	4,06	**.800**	20,32	●	**.140**	3,56	✔	✔	
		.016	0,41	**.032**	0,81	**640925-1**	**.160**	4,06	**.800**	20,32	●	**.140**	3,56	✔	✔	
16-14	1,04-2,62	**.016**	0,41	**.020**	0,51	**640929-1**	**.160**	4,06	**.800**	20,32	●	**.170**	4,32	✔	✔	
		.016	0,41	**.032**	0,81	**640931-1**	**.160**	4,06	**.800**	20,32	●	**.170**	4,30	✔	✔	
		.016	0,41	**.032**	0,81	**9-160313-2**	**.160**	4,06	**.913**	23,20	●	**.170**	4,32	✔	✔	3



Tab Terminal

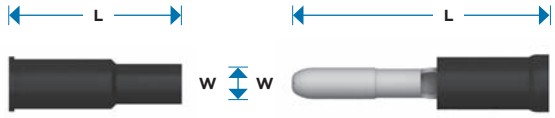
Wire Size		Material Thickness		Tab-Thickness		Standard Part Number	Width (W)		Length (L)		Color	Max. Wire Insulation Dia.		Also available in[8]		Remarks
AWG	mm²	inch	mm	U.S.	mm		inch	mm	inch	mm		inch	mm	Tape & Reel	Small Pack	
20-18	0,50-1,00	**n.a.**		**.031**	0,80	**140896-2**	**.250**	6,35	**.925**	23,50	🔴	**.130**	3,30	–	✔	3
16-14	1,30-2,60	**n.a.**		**.031**	0,80	**140971-2**	**.250**	6,35	**.925**	23,50	🔵	**.157**	4,00	–	✔	3
11-10	4,00-6,00	**n.a.**		**.031**	0,80	**141085-2**	**.250**	6,35	**1.102**	28,00	🟡	**.224**	5,70	–	✔	3

TAB (.250 splice for receptacle)

22-10	0,26-6,00	**n.a.**	**.032**	0,81	**1-321235-0**	**.409**	10,39	**2.625**	66,68	○	**n.a.**	–	–	7, 9
					1-321235-1	**.409**	10,39	**2.625**	66,68	○	**n.a.**	–	–	7
					321235	**.409**	10,39	**2.093**	53,16	○	**n.a.**	–	–	7, 9

Piggy Back Terminal (.250/6.35)

22-16	0,26-1,65	**n.a.**	**.032**	0,81	**160834-2**	**.250**	6,35	**.927**	23,55	🔴	**.140**	3,56	–	✔	3
16-14	1,00-2,50	**n.a.**	**.032**	0,81	**9-160463-2**	**.250**	6,35	**.922**	23,45	🔵	**.170**	4,32	–	✔	3



Shur Plugs

22-16	0,25-1,60	**pin**	**n.a**	**165590-1**	**.156**	3,96	**.894**	22,70	🔵	**.138**	3,50	–	✔	
20-15	0,50-1,50	**pin**	**n.a**	**141462-1**	**.118**	3,00	**.945**	24,00	🔴	**.134**	3,40	–	✔	
		receptacle	**n.a**	**141456-1**	**.118**	3,00	**.984**	25,00	🔴	**.130**	3,30	–	✔	
20-16	0,50-1,60	**receptacle**	**n.a**	**165399-1**	**.156**	3,96	**.902**	22,90	🔵	**.114**	2,90	–	✔	
16-14	1,04-2,62	**pin**	**n.a**	**324225**	**.156**	3,96	**.790**	20,07	🔵	**.170**	4,32	✔	✔	
16-14	1,04-2,62	**receptacle**	**n.a**	**165429-1**	**.156**	3,96	**.972**	24,70	🔵	**.157**	4,00	–	✔	
n.a.	n.a.	**plug-splice**	**n.a**	**36840**	**.156**	3,96	**1.795**	45,59	🔴	**n.a.**	n.a.	–	✔	7

Remarks

0 Must be crimped with 22-18 or 22-16 PIDG (red) tooling
1 Body Springs Spade : Phosphor Bronze per ASTM B-139
2 Body : Copper also according DIN 1787 and EN 1676
3 Body : Brass according ASTM B 36
4 Sleeve : Nickel Plating per TE 112-25-2
5 Adapter inserts can be ordered seperately for use in specific standard PIDG Butt Splices
6 Mill Specified
7 Body : Brass according MIL-C-50
8 ✔ Standard Part Number is also available in Tape & Reel and/or Small Pack
– Standard Part Number is not in Tape & Reel and/or Small Pack
For all applicable part numbers see specification 404-32020 at te.com
9 Cleaned, unplated

For all remarks and additional information see Customer Drawing on www.te.com

FREQUENTLY ASKED QUESTIONS

Can wires be combined in PIDG terminals & splices?
Yes they can as long total CMA (Circular Mil Area) and insulation diameter fall within specification.

Are TE terminals MIL specified?
Yes, most of them meet or exceed MIL-T-7928, Type II, class 1 & 2.

What to choose if you need higher temperature?
Use TE STRATO-THERM terminals (catalog 82011).

Why can PIDG terminals just handle 300V and PLASTI-GRIP terminals 600 V?
Because the additional copper sleeve is close to the end of the sleeve (see picture).

What is the advantage of this copper sleeve?
It provides circumferential insulation support to the wire and allows the wire to bend in any direction, without fraying the wire's insulation or breaking the conductor.

Why is there no crimpheight given for PIDG terminals?
It is the geometry of the TE crimping tools which guarantees the perfect crimp on PIDG terminals.

TOOLING

Field/Service Tool
169060-8

Commercial tooling
Most terminals can be terminated with handtool 58433-3
58423-1 (fits in handtool 354940-1)
169404 (fits in handtool 169400)

Premium tooling

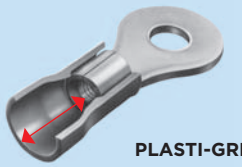
For all FASTON terminals, except below:	59824-1
For wire sizes AWG 26-24:	48518-2
For standard .110 FASTON terminals AWG 22-18:	90185-1

Remaining:

AWG 26-24:	46121	AWG 22-16:	47386(-4) or 59250
AWG 26-22:	46121	AWG 16-14:	47387(-7) or 59250
AWG 24-20:	47907-1	AWG 12-10:	59239-4

http://tooling.te.com/europe/handtools.asp
http://www.te.com


PIDG


PLASTI-GRIP

FOR MORE INFORMATION

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Internet:	te.com/help
USA:	+1 (800) 522-6752
Canada:	+1 (905) 475-6222
Mexico	+52 (0) 55-1106-0800
Latin/S. America:	+54 (0) 11-4733-2200
Germany:	+49 (0) 6251-133-1999
UK:	+44 (0) 800-267666
France:	+33 (0) 1-3420-8686
Netherlands:	+31 (0) 73-6246-999
China:	+86 (0) 400-820-6015

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*as defined www.te.com/leadfree

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