



# PIDG TERMINALS & SPLICES

Quick Reference Guide

## FEATURES AND BENEFITS

- Made of high conductivity copper; tin-plated for optimal corrosion protection
- Copper sleeve for vibration resistance and improved wire insulation support
- Body has inner serrations for maximum electrical contact and tensile strength
- Insulation sleeves are colour-coded by wire size to the corresponding TE Connectivity (TE) tooling for easy identification and termination
- Readily available at distributors in small packages or bulk quantities
- Most PIDG terminals and splices are UL/CSA listed and Mil-Spec approved
- Operating temperature 105°C; operating voltage 300V

# 300V

Operating Voltage

# 105°

Max Operating  
Temperature (in C)

# MIL

MIL-SPEC Approval

## PRODUCT APPLICATIONS

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



# WHAT'S INSIDE

TE Connectivity's PIDG terminals are designed for uniform reliability in the harshest circuit environments, especially where high vibration and wire movement are factors. They consist of a nylon or PVC insulated body, plus a metal sleeve that crimps to the wire insulation for added support. The wire barrel design is vibration resistant, and supports the wire to bend in any direction without damaging the wire insulation or conductor. Millions of PIDG terminals and splices are still in the field many years after installation; a testament to the rigorous testing and research that went into their design and manufacturing. Many PIDG terminals meet or exceed the requirements of SAE AS7928, Type II, Class 1 .



**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**

											Manual Hand Tools			Die Sets for Powered Tools (See Note 1 for Powered Tool Options)						
Wire Size		Studsize		Standard Part Number	Width (W)		Length (L)		Color	Max. Wire Insulation Dia.		Also available in		Re-remarks	Certi-Crimp Hand Tool Most UL Apvd	Mil-Spec Certified Hand Tool	Pro-Crimper (SDE) Hand Tool	SDE Die Set (Premium) Most UL Apvd	SDE Die Set (Commercial)	
AWG	mm <sup>2</sup>	U.S.	mm		inch	mm	inch	mm		inch	mm	Tape & Reel	Small Pack							
26 - 24	0,12 - 0,24	2	M2	54310-1	.203	5,16	.739	18,77	●	.105	2,67			0,6	46121					
		4	M2.5	52189	.203	5,16	.736	18,69	●	.105	2,67			0,6	46121					
		6	M3.5	53073	.250	6,35	.792	20,12	●	.105	2,67			0,6	46121					
		8	M4	54311-1	.281	7,14	.814	20,68	●	.105	2,67			0,6	46121					
		10		54312-1	.312	7,92	.868	22,05	●	.105	2,67	✓		0,6	46121					
26 - 22	0,12 - 0,41	0		321013	.140	3,56	.525	13,34	●	.082	2,08				46121					
		2	M2	323912	.140	3,56	.525	13,34	●	.082	2,08	✓	✓		46121					
		2	M2	329951	.140	3,56	.615	15,62	●	.082	2,08				46121					
		4	M2.5	323914	.203	5,16	.646	16,41	●	.082	2,08	✓	✓	6	46121					
		6	M3.5	326875	.250	6,35	.740	18,80	●	.082	2,08	✓	✓	6	46121					
		6	M3.5	323915	.203	5,16	.646	16,41	●	.082	2,08	✓	✓		46121					
		8	M4	323916	.250	6,35	.740	18,80	●	.082	2,08	✓	✓	6	46121					
24 - 20	0,16 - 0,65	2	M2	329636	.106	4,06	.589	14,96	○	.100	2,54				47907-1					
		4	M2.5	323985	.281	7,14	.774	19,66	○	.100	2,54				47907-1					
		6	M3.5	323986	.281	7,14	.774	19,66	○	.100	2,54	✓			47907-1					
		8	M4	323989	.312	7,92	.821	20,85	○	.100	2,54	✓			47907-1					
		10		323990	.312	7,92	.821	20,85	○	.100	2,54	✓			47907-1					
22 - 16	0,26 - 1,65	2	M2	328657	.218	5,54	.672	17,07	●	.125	3,18	✓	✓		47386	59250	58433-3	2063030-1	58423-1	
		4	M2.5	320553	.218	5,54	.672	17,07	●	.125	3,18	✓	✓	6	47386	59250	58433-3	2063030-1	58423-1	
		4	M2.5	31880	.218	5,54	.672	17,07	●	.140	3,65	✓	✓	6	47386	59250	58433-3	2063030-1	58423-1	
		4	M2.5	323758	.250	6,35	.844	21,44	●	.125	3,18	✓			47386	59250	58433-3	2063030-1	58423-1	
		4	M2.5	330648	.250	6,35	.844	21,44	●	.140	3,56	✓			47386	59250	58433-3	2063030-1	58423-1	
		6	M3.5	51863	.250	6,35	.782	19,86	●	.125	3,18	✓	✓		47386	59250	58433-3	2063030-1	58423-1	
		6	M3.5	36151	.281	7,14	.797	20,24	●	.125	3,18	✓	✓		47386	59250	58433-3	2063030-1	58423-1	
		6	M3.5	36152	.281	7,14	.797	20,24	●	.140	3,56	✓	✓		47386	59250	58433-3	2063030-1	58423-1	
		6	M3.5	36149	.218	5,54	.672	17,07	●	.125	3,18	✓	✓	6	47386	59250	58433-3	2063030-1	58423-1	
		6	M3.5	36150	.218	5,54	.672	17,07	●	.140	3,56	✓	✓	6	47386	59250	58433-3	2063030-1	58423-1	
		8	M4	320554	.281	7,14	.797	20,24	●	.125	3,18	✓	✓		47386	59250	58433-3	2063030-1	58423-1	
		8	M4	31886	.281	7,14	.797	20,24	●	.140	3,56	✓	✓		47386	59250	58433-3	2063030-1	58423-1	
		8	M4	320551	.312	7,92	.844	21,44	●	.125	3,18	✓		6	47386	59250	58433-3	2063030-1	58423-1	
		8	M4	31890	.312	7,92	.844	21,44	●	.140	3,56	✓	✓	6	47386	59250	58433-3	2063030-1	58423-1	
		10		320552	.281	7,14	.797	20,24	●	.125	3,18	✓			47386	59250	58433-3	2063030-1	58423-1	
		10		31887	.281	7,14	.797	20,24	●	.140	3,56	✓	✓		47386	59250	58433-3	2063030-1	58423-1	
		10		36153	.312	7,92	.844	21,44	●	.125	3,18	✓	✓	6	47386	59250	58433-3	2063030-1	58423-1	
		10		36154	.312	7,92	.844	21,44	●	.140	3,56	✓	✓	6	47386	59250	58433-3	2063030-1	58423-1	
					M5	130008	.312	7,92	.850	21,60	●	.140	3,56	✓	✓		47386	59250	58433-3	2063030-1
			1/4	M6	320571	.469	11,91	1.078	27,38	●	.125	3,18	✓	✓	6	47386	59250	58433-3	2063030-1	58423-1
			1/4	M6	31894	.469	11,91	1.078	27,38	●	.140	3,56	✓	✓	6	47386	59250	58433-3	2063030-1	58423-1
				M6	130046	.469	11,91	1.083	27,50	●	.140	3,56		✓		47386	59250	58433-3	2063030-1	58423-1
			5/16	M8	320572	.469	11,91	1.078	27,38	●	.125	3,18	✓		6	47386	59250	58433-3	2063030-1	58423-1
			5/16	M8	31895	.469	11,91	1.078	27,38	●	.140	3,56	✓	✓	6	47386	59250	58433-3	2063030-1	58423-1
			3/8		320573	.531	13,49	1.218	30,94	●	.125	3,18	✓		6	47386	59250	58433-3	2063030-1	58423-1
			3/8		31897	.531	13,49	1.218	30,94	●	.140	3,56	✓	✓	6	47386	59250	58433-3	2063030-1	58423-1
			1/2	M12	328975	.713	18,11	1.293	32,84	●	.125	3,18		✓	6	47386	59250	58433-3	2063030-1	58423-1

**Ring Tongue Terminals (continued)**

														Manual Hand Tools			Die Sets for Powered Tools (See Note 1 for Powered Tool Options)		
Wire Size		Studsize		Standard Part Number	Width (W)		Length (L)		Color	Max. Wire Insulation Dia.		Also available in		Re-remarks	Certi-Crimp Hand Tool Most UL Apvd	Mil-Spec Certified Hand Tool	Pro-Crimper (SDE) Hand Tool	SDE Die Set (Premium) Most UL Apvd	SDE Die Set (Commercial)
AWG	mm <sup>2</sup>	U.S.	mm		inch	mm	inch	mm		inch	mm	Tape & Reel	Small Pack						
16-14	1,04-2,62	2	M2	324993	.180	4,57	.668	16,97	Blue	.170	4,32	✓	✓		47387	59250	58433-3	2063030-1	58423-1
		4	M2.5	324159	.250	6,35	.703	17,86	Blue	.150	3,81	✓			47387	59250	58433-3	2063030-1	58423-1
		4	M2.5	328996	.250	6,35	.703	17,86	Blue	.170	4,32				47387	59250	58433-3	2063030-1	58423-1
		6	M3.5	320561	.250	6,35	.703	17,86	Blue	.150	3,81	✓			47387	59250	58433-3	2063030-1	58423-1
		6	M3.5	320619	.250	6,35	.703	17,86	Blue	.170	4,32				47387	59250	58433-3	2063030-1	58423-1
		6	M3.5	326882	.312	7,92	.813	20,65	Blue	.170	4,32	✓	✓		47387	59250	58433-3	2063030-1	58423-1
		6	M3.5	51864	.312	7,92	.844	21,44	Blue	.150	3,81	✓	✓	6	47387	59250	58433-3	2063030-1	58423-1
		8	M4	51864-1	.312	7,92	.844	21,44	Blue	.150	3,81	✓	✓	6	47387	59250	58433-3	2063030-1	58423-1
		8	M4	320560	.343	8,71	.859	21,82	Blue	.150	3,81	✓	✓		47387	59250	58433-3	2063030-1	58423-1
		8	M4	320565	.343	8,71	.859	21,82	Blue	.170	4,32	✓	✓		47387	59250	58433-3	2063030-1	58423-1
		10		320574	.343	8,71	.859	21,82	Blue	.150	3,81	✓	✓		47387	59250	58433-3	2063030-1	58423-1
		10		36160	.343	8,71	.859	21,82	Blue	.170	4,32	✓	✓		47387	59250	58433-3	2063030-1	58423-1
			M5	130090	.343	8,71	.864	21,94	Blue	.150	3,80	✓			47387	59250	58433-3	2063030-1	58423-1
			M5	130094	.343	8,71	.864	21,94	Blue	.170	4,30	✓	✓		47387	59250	58433-3	2063030-1	58423-1
		1/4	M6	320563	.469	11,91	1.078	27,38	Blue	.150	3,81	✓	✓	6	47387	59250	58433-3	2063030-1	58423-1
		1/4	M6	321045	.469	11,91	1.078	27,38	Blue	.170	4,32	✓	✓		47387	59250	58433-3	2063030-1	58423-1
		5/16	M8	320575	.469	11,91	1.078	27,38	Blue	.150	3,81	✓		6	47387	59250	58433-3	2063030-1	58423-1
		5/16	M8	328998	.469	11,91	1.078	27,38	Blue	.170	4,32	✓	✓		47387	59250	58433-3	2063030-1	58423-1
		3/8		320564	.531	13,49	1.218	30,94	Blue	.150	3,81	✓	✓	6	47387	59250	58433-3	2063030-1	58423-1
		3/8		328999	.531	13,49	1.218	30,94	Blue	.170	4,32	✓	✓		47387	59250	58433-3	2063030-1	58423-1
		1/2	M12	328976	.713	18,11	1.293	32,84	Blue	.150	3,81			6	47387	59250	58433-3	2063030-1	58423-1
		1/2	M12	328849	.713	18,11	1.293	32,84	Blue	.170	4,32				47387	59250	58433-3	2063030-1	58423-1
12-10	2,62-6,64	4	M2.5	35148	.281	7,14	.953	24,21	Yellow	.250	6,35	✓	✓			59239-4	58433-3	2063030-1	58423-1
		6	M3.5	320634	.281	7,14	.953	24,21	Yellow	.230	5,84	✓				59239-4	58433-3	2063030-1	58423-1
		6	M3.5	35149	.281	7,14	.953	24,21	Yellow	.250	6,35	✓	✓			59239-4	58433-3	2063030-1	58423-1
		6	M3.5	320567	.375	9,53	1.083	27,51	Yellow	.230	5,84	✓		6		59239-4	58433-3	2063030-1	58423-1
		6	M3.5	35107	.375	9,53	1.083	27,51	Yellow	.250	6,35	✓	✓	6		59239-4	58433-3	2063030-1	58423-1
		8	M4	35787	.312	7,92	1.031	26,19	Yellow	.230	5,84	✓				59239-4	58433-3	2063030-1	58423-1
		8	M4	324915	.312	7,92	1.052	26,72	Yellow	.230	5,84					59239-4	58433-3	2063030-1	58423-1
		8	M4	320568	.375	9,53	1.083	27,51	Yellow	.230	5,84	✓		6		59239-4	58433-3	2063030-1	58423-1
		8	M4	35108	.375	9,53	1.083	27,51	Yellow	.250	6,35	✓	✓	6		59239-4	58433-3	2063030-1	58423-1
		10		324918	.312	7,92	1.052	26,72	Yellow	.230	5,84	✓	✓			59239-4	58433-3	2063030-1	58423-1
		10		32883	.343	8,71	1.046	26,57	Yellow	.230	5,84	✓				59239-4	58433-3	2063030-1	58423-1
			M5	130171	.375	9,53	1.090	27,68	Yellow	.250	6,35	✓				59239-4	58433-3	2063030-1	58423-1
		10		36161	.375	9,53	1.083	27,51	Yellow	.230	5,84	✓	✓	6		59239-4	58433-3	2063030-1	58423-1
		10		35109	.375	9,53	1.083	27,51	Yellow	.250	6,35	✓	✓	6		59239-4	58433-3	2063030-1	58423-1
		1/4	M6	320569	.531	13,49	1.322	33,58	Yellow	.230	5,84			6		59239-4	58433-3	2063030-1	58423-1
		1/4	M6	35110	.531	13,49	1.322	33,58	Yellow	.250	6,35	✓	✓	6		59239-4	58433-3	2063030-1	58423-1
		5/16	M8	320576	.531	13,49	1.322	33,58	Yellow	.230	5,84	✓				59239-4	58433-3	2063030-1	58423-1
		5/16	M8	35111	.531	13,49	1.322	33,58	Yellow	.250	6,35	✓	✓	6		59239-4	58433-3	2063030-1	58423-1
		5/16	M8	160298	.500	12,70	1.188	30,18	Yellow	.250	6,35	✓				59239-4	58433-3	2063030-1	58423-1
		3/8		320577	.593	15,06	1.414	35,92	Yellow	.230	5,84	✓		6		59239-4	58433-3	2063030-1	58423-1
		3/8		35112	.593	15,06	1.414	35,92	Yellow	.250	6,35		✓	6		59239-4	58433-3	2063030-1	58423-1
		1/2	M12	323784	.750	19,05	1.594	40,49	Yellow	.230	5,84					59239-4	58433-3	2063030-1	58423-1
		1/2	M12	35151	.750	19,05	1.594	40,49	Yellow	.250	6,35		✓			59239-4	58433-3	2063030-1	58423-1
		3/4		324615	1.25	31,75	2.219	56,36	Yellow	.230	5,84					59239-4	58433-3	2063030-1	58423-1