



851-016 Crimp-Style Terminal Lug

CONTACTS

HOW TO ORDER				
Sample Part Number	851-016	C	138	-1
Basic Part Number	851-016 Crimp-Style Terminal Lug			
AWG Code/Size	See Table I			
Nominal Stud Size	See Table VI			
Autoshrink Option	Add Dash Number to Include Autoshrink (See Tables IV and V)			

TABLE III - CRIMP TOOL AND DIE SET				
TERMINAL SIZE	AS5259/1* CRIMPING HEAD	AS5259/4* CRIMPING HEAD	AS5259/3 CRIMPING TOOL	AS5259/5 CRIMPING TOOL
	DIE SET	DIE SET	DIE SET	DIE SET
12-10	Crimp Using Tool M22520/38-01, Cavity C, Yellow (12 or 10AWG Wire)			
8	MS90485-8	M5259/7-001	MS90485-8	M5259/7-001
6	MS90485-6	M5259/7-002	MS90485-6	M5259/7-002
4	MS90485-4	M5259/7-003	MS90485-4	M5259/7-003
2	MS90485-2	M5259/7-004	MS90485-2	M5259/7-004
0	MS90485-01	M5259/7-006	MS90485-01	M5259/7-006

SPECIFICATIONS

- Wire strip length: See Table II
- Crimp tools: See Table III
- Lug terminals are intended to be used with 973-003 PowerPlay connectors with threaded contacts

MATERIAL/FINISH

- High conductivity copper alloy
- Nickel plate per AMS2403, AMS2404, and AMS2424

TABLE II - WIRE STRIP LENGTH	
TERMINAL SIZE	STRIP LENGTH
12-10	.51
8	.10
6	.75
4	.87
2	1.03
0	1.09

TABLE I - SIZE CODE	
TERMINAL SIZE	AWG CODE
12-10	B
8	C
6	D
4	E
2	F
0	G

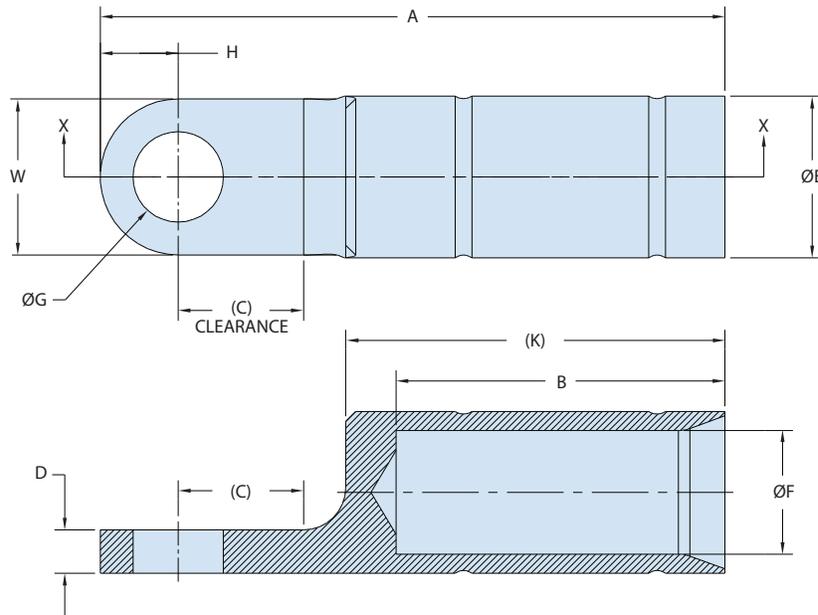
TABLE V - AUTOSHRIK BASE PART #		
Terminal Size	Wire Size	Base P/N (Ref.)
12-10	12, 10	777-035-0125-1
B	B	777-035-0156-1.5
6	6	777-035-0156-1.5
4	4	777-035-0250-2
2	2	777-035-0250-2
0	0	777-004-02-2

TABLE IV: AUTOSHRIK COLOR	
Dash No.	Color
-0	Black
-1	Brown
-2	Red
-3	Orange
-4	Yellow
-5	Green
-6	Blue
-7	Violet
-8	Gray
-9	White

851-016 Crimp-Style Terminal Lug

CONTACTS

TABLE VI - DIMENSIONS



973-003 Contact Size	Dash#	Wire Size	Stud Size	A Max	B Min	(C) Min	D		CE 0.0. Max	CF 1.0.	G		W & H*		(K)
							Min	Max			Min	Max	Min	Max	
8	138	12-10	6	.959 (24.36)	.443 (11.25)	.202 (5.13)	.080 (2.03)	.060 (1.52)	.235 (5.97)	.145 (3.68) .135 (3.43)	.152 (3.86)	.142 (3.61)	.265 (6.73)	.245 (6.22)	(.52)
	138	8	(.138)	1.174 (29.82)	.633 (16.08)	.202 (5.13)	.084 (2.13)	.064 (1.63)	.285 (7.24)	.183 (4.65) .173 (4.39)	.152 (3.86)	.142 (3.61)	.265 (6.73)	.245 (6.22)	(.72)
4	190	6	10	1.410 (35.81)	.680 (17.27)	.238 (6.05)	.094 (2.39)	.074 (1.88)	.334 (8.48)	.225 (5.72) .215 (5.46)	.203 (5.16)	.193 (4.90)	.385 (9.78)	.365 (9.27)	(.80)
	190	4	(.190)	1.600 (40.64)	.800 (20.32)	.276 (7.01)	.116 (2.95)	.096 (2.44)	.395 (10.03)	.297 (7.54) .287 (7.29)	.203 (5.16)	.193 (4.90)	.385 (9.78)	.365 (9.27)	(.95)
2	250	4	1/4	1.645 (41.78)	.800 (20.32)	.276 (7.01)	.116	.096 (2.44)	.395 (10.03)	.297 (7.54) .287 (7.29)	.275 (6.99)	.260 (6.60)	.475 (12.07)	.455 (11.56)	(.95)
	250	2	(.250)	1.889 (47.98)	.960 (24.38)	.343 (8.71)	.139 (3.53)	.119	.489 (12.42)	.371 (9.42) .361 (9.17)	.275 (6.99)	.260 (6.60)	.475 (12.07)	.455 (11.56)	(1.13)
D	312	2	5/16	1.949 (49.50)	.960 (24.38)	.343 (8.71)	.129 (3.28)	.109 (2.77)	.489 (12.42)	.371 (9.42) .361 (9.17)	.338 (8.59)	.323 (8.20)	.595 (15.11)	.575 (14.61)	(1.13)
	312	D	(.312)	2.083 (52.91)	1.018 (25.86)	.418 (10.62)	.170 (4.32)	.150 (3.81)	.595 (15.11)	.466 (11.84) .456 (11.58)	.338 (8.59)	.323 (8.20)	.595 (15.11)	.575 (14.61)	(1.19)

* H Max and Min dimensions shall be one half of the W Max and Min dimensions, respectively