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REV.
A

AS81714™/65

FEDERAL SUPPLY CLASS
5940

RATIONALE

REVISION IS REQUIRED TO CLARIFY DRAWINGS, UPDATE REFERENCES, UPDATE GOVERNMENT RELATED TERMINOLOGY, AND ADDRESS TECHNICAL REQUIREMENTS AS NEEDED.

NOTICE

THE COMPLETE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS81714.

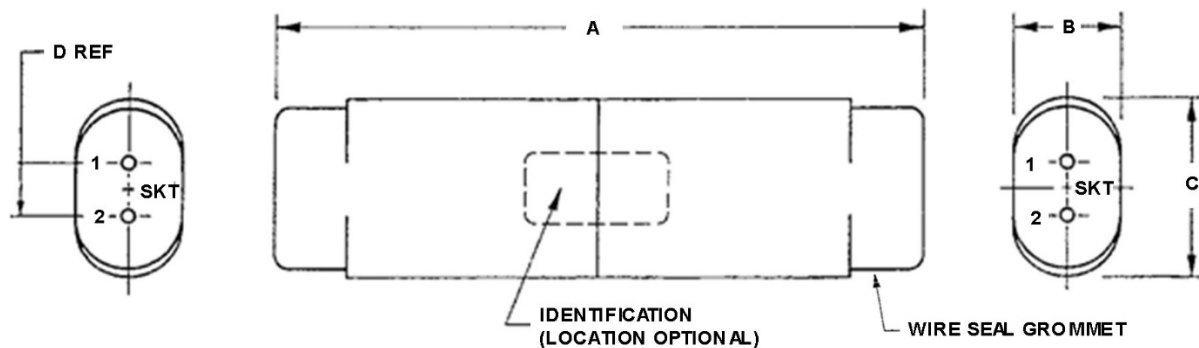


FIGURE 1 - WIRE IN-LINE JUNCTION (BLOCK) TYPE 2 (DUAL CONTACT SPLICE/ SEPARATE BUSSING)

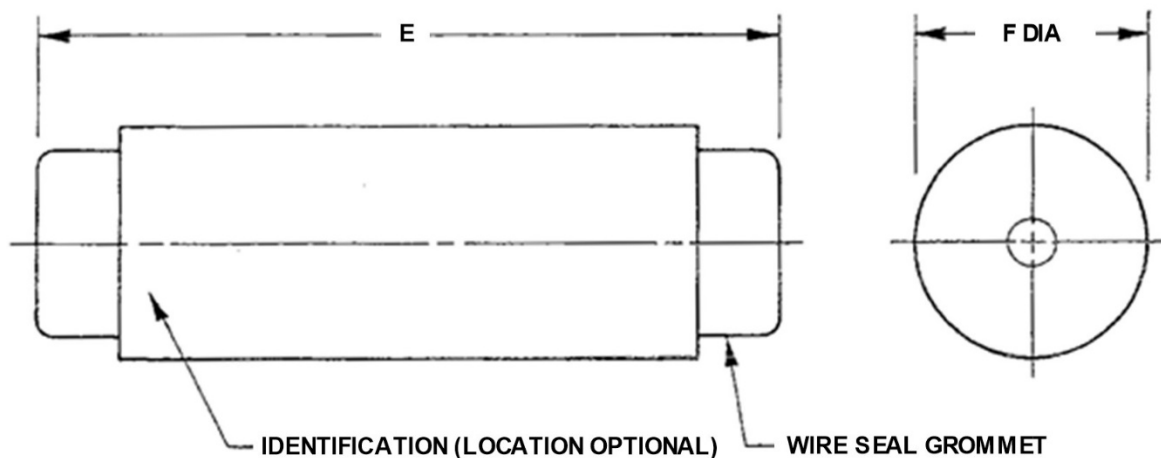
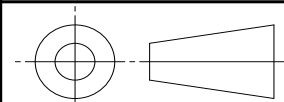


FIGURE 2 - WIRE IN-LINE JUNCTION (BLOCK) TYPE 2 (SINGLE CONTACT SPLICE)

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THIRD ANGLE PROJECTION



CUSTODIAN: AE-8C2



AEROSPACE STANDARD

(R) TERMINAL JUNCTION SYSTEM, TERMINAL
JUNCTION BLOCKS, SECTIONAL, WIRE IN-LINE
JUNCTIONS, SERIES II

AS81714™/65
SHEET 1 OF 3

REV.
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TABLE 1 - WIRE IN-LINE JUNCTION (BLOCK) TYPE 2 (DUAL CONTACT SPLICE) CONFIGURATION

PART NUMBER M81714/65	CONTACT SIZE	DUAL SPLICE DIMENSIONS			
		A MAX	B MAX	C MAX	D REF
-22-2	22	1.322 (33.58)	.240 (6.05)	.384 (9.75)	.120 (3.05)
-20-2	20	1.428 (36.27)	.271 (6.88)	.481 (12.22)	.150 (3.81)
-16-2	16	1.428 (36.27)	.304 (7.72)	.548 (13.92)	.184 (4.67)
-12-2	12	1.704 (43.28)	.367 (9.32)	.674 (17.12)	.247 (6.27)

TABLE 2 - WIRE IN-LINE JUNCTION (BLOCK) TYPE 1 (SINGLE CONTACT SPLICE) CONFIGURATION

PART NUMBER M81714/65	CONTACT SIZE	SINGLE SPLICE DIMENSIONS	
		E MAX	F MAX
-22-1	22	1.310	.230
-20-1	20	1.434	.290
-16-1	16	1.452	.324
-12-1	12	1.710	.387

REQUIREMENTS: ALL REQUIREMENTS SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS81714.

CONFIGURATION:

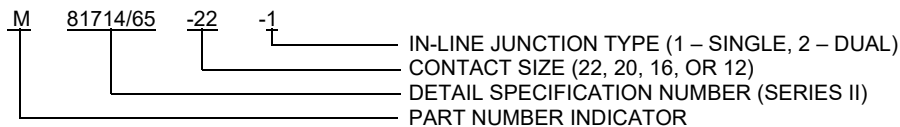
1. DIMENSIONS SHALL BE IN INCHES AND TOLERANCES AS SPECIFIED. METRIC EQUIVALENTS (TO THE NEAREST 0.01 MM) IN TABLE 3 ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 1 INCH = 25.4 MM.
2. THE IN-LINE JUNCTION (BLOCK) SHALL BE CONFIGURED IN ACCORDANCE WITH FIGURES 1 AND 2, AND TABLES 1 AND 2.
3. THE CONTACT SOCKETS FOR ALL GROMMET CAVITIES SHALL BE IN ACCORDANCE WITH AS81714 AND INTERNALLY CONNECTED TO BOTH ENDS OF THE IN-LINE JUNCTION AS SHOWN IN FIGURE 1 (SEPARATE BUSING) AND FIGURE 2.
4. THE CONTACT MATING END RETENTION SYSTEM AND GROMMET WIRE SEALING SHALL BE IN ACCORDANCE WITH AS81714.

MATERIALS:

1. THE IN-LINE JUNCTION (BLOCK) HOUSING, GROMMET, AND INTERNAL PARTS SHALL BE IN ACCORDANCE WITH AS81714. THE BODY (HOUSING) MAY ALSO BE METAL.

MARKING:

1. THE IN-LINE JUNCTION (BLOCK) BODY SHALL BE BLACK AND GROMMET SHALL BE REDDISH BROWN.
2. THE PART IDENTIFICATION NUMBER:



TOOLS:

1. THE AS81969 TOOLS FOR CONTACT INSERTING/REMOVAL ARE AS SPECIFIED IN TABLE 3 AND SHALL BE ORDERED SEPARATELY.
2. CONTACTS AND SEALING PLUGS: THE AS39029 MATING CONTACT AND MS27488 GROMMET SEAL PLUGS ARE AS SPECIFIED IN TABLE 3. MINIMUM QUANTITIES SHALL BE PROVIDED AS SPECIFIED IN AS81714 WITH EACH TERMINAL BLOCK.

	AEROSPACE STANDARD	AS81714™/65 SHEET 2 OF 3 	REV. A
	(R) TERMINAL JUNCTION SYSTEM, TERMINAL JUNCTION BLOCKS, SECTIONAL, WIRE IN-LINE JUNCTIONS, SERIES II		