

DWG. NO.
SA20636

3 POLE LIMITER BLOCK

SUPERSEDES: SD20636-18

W	REVISED PER ECN10186	MPK 05-23-07	FLR 05-23-07
19	REVISED & REDRAWN. ADDED VIEW K TO SHOW NEW 100° COUNTER SUNK HOLE. SEE REV. REFERENCE PRINT. (ECN 3515)	FDH 04-23-96	JJK 04-23-96
REV	DESCRIPTION	BY DATE	CHKD DATE

		DRAWING TITLE					
		BLOCK, 3 POLE LIMITER					
LINEAR MEASURE: INCH mm INCH [mm]		CAT NO.					
		F3H3M_ (SEE TABLE SHEET 2)					
THIRD ANGLE PROJECTION		CAGE NO.: 09922		SIZE: A			
		CUSTOMER		SOURIAU Connection Technology www.souriau.com			
TOLERANCES UNLESS OTHERWISE SPECIFIED							
No. OF PLACES						INCH [mm]	
ONE PLACE						±.1 [±3]	
TWO PLACES						±0.02 [±.5]	
THREE PLACES		±0.010 [±.25]		APPROVAL			
downloaded from Arrow.com		INTERPRET THIS DRAWING IN ACCORDANCE WITH ASMF Y14.5M - 1994.		DRAWN: GRB 02-09-07			
				CHKD : FLR 02-09-07			
				DSGN : CL 06-26-95			
				MFG : RR 02-09-07			
				QC : DK 02-09-07			
				DRAWING SCALE: NONE			
				DRAWING NO.			
				REV			
				SA20636			
				W			
				1 OF 5			

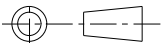
DWG. NO.
SA20636

CONTACT THE DOCUMENT CONTROL CENTER FOR THE LATEST REVISION.

PROVE

LINEAR MEASURE:  INCH [mm]

THIRD ANGLE PROJECTION



TOLERANCES UNLESS OTHERWISE SPECIFIED

No. OF PLACES INCH [mm]

ONE PLACE ±.1 [±3]

TWO PLACES ±0.02 [±.5]

THREE PLACES ±0.010 [±.25]

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NOTE: UNLESS OTHERWISE SPECIFIED.

- 1 3 POLE LIMITER BLOCKS ACCOMMODATES THREE 80-125 AMP LIMITERS FOR 120 VOLT D.C OR 200/115 VOLT A.C. 400 CYCLE - 3 PHASE AIRCRAFT CIRCUITS. FOR APPLICABLE TERMINAL LUGS, SEE TABLE 1.
- 2 LIMITERS (CATALOG NO'S FIL80, FIL100 AND FIL120) ARE PURCHASED SEPERATELY. SEE DRAWING SA20635.
- 3 COUNTER SUNK MOUNTING HOLES ACCOMMODATE NO. 8 FLAT HEAD MACHINE SCREWS. F3H3MSS ONLY: ACCOMMODATE NO. 8 - 100° INCLUDED ANGLE FLAT HEAD SCREW PER DAC SPECIFICATION 3D0068 (REF: 3D0068-08)
- 4 F3H3MSS ONLY: FUNCTIONAL TORQUE VALUE FOR THE HEX HEAD BOLT IS 90±5 IN-LBS [10.2±0.6 Nm]

DESCRIPTION TABLE

CATALOG NUMBER	DESCRIPTION	MTG. HOLE COUNTER SINK ANGLE
F3H3M	3 POLE LIMITER BLOCK WITH BRASS ROUND HEAD TERMINAL LUG MTG. SCREW	82° INCLUDED
F3H3MSS	3 POLE LIMITER BLOCK WITH STEEL HEX. HEAD TERMINAL MTG. BOLT	100° INCLUDED

TABLE 1



AIRCRAFT CABLE	HYDENT TERMINAL
COPPER NO. 8	YAV8C-L1
COPPER NO. 6	YAV6C-L
COPPER NO. 4	YAV4C-L
COPPER NO. 2	YAV2C-L1
ALUM NO. 8	YAV8CA-L1
ALUM NO. 6	YAV6CA-L1
ALUM NO. 4	YAV4CA-L
ALUM NO. 2	YAV2CA-L1

DRAWING TITLE

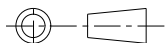
BLOCK, 3 POLE LIMITER

CAT NO.

F3H3M (SEE TABLE)

LINEAR MEASURE: INCH [mm]

THIRD ANGLE PROJECTION



TOLERANCES UNLESS OTHERWISE SPECIFIED

No. OF PLACES INCH [mm]

ONE PLACE ±.1 [±.3]

TWO PLACES ±0.02 [±.5]

THREE PLACES ±0.010 [±.25]

CAGE NO.: 09922

SIZE: A

CUSTOMER

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DRAWING SCALE: NONE

DRAWING NO. REV

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W

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PRO-0

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MATERIAL:

BASE: MELMAC 592 OR EQUIVALENT PER MIL-P-14, TYPE MME
SPACER: GLASS BASE MELAMINE, COLOR NATURAL, NEMA GRADE
G5-CD-F GRADE GB-2BM OR EQUIVALENT
CONTACT CLIPS: COPPER ALLOY
RIVETS: BRASS
THREADED BASE INSERT: BRASS PER ASTM B16

F3H3M ONLY:

1/4 -28UNF-2A X .500 [12.7] LG
ROUND HEAD MACHINED SCREW
PER AN520UB416-8: COPPER ALLOY
LOCK WASHER - 1/4" PER
AN935.416: SILICON BRONZE
FLAT WASHER - 1/4" X .040[1.02]
THICK PER AN93490A029: SILICON BRONZE

F3H3MSS ONLY:

1/4-28UNJF-3A X .550 [13.97]
LG HEX HEAD BOLT PER NAS6704U2: CORROSION RESISTANT STEEL
LOCK WASHER 1/4" X .062 [1.57]
THICK PER MS35338 - 139: CORROSION RESISTANT STEEL
FLAT WASHER- 1/4" X .032 [0.81]
THICK PER NAS1149C0432R: CORROSION RESISTANT STEEL

FINISH:

CONTACT CLIPS: SILVER PLATED
RIVETS: TIN PLATED

F3H3M ONLY:

1/4-28 UNF-2A ROUND HEAD SCREW
LOCK WASHER AND FLAT WASHER: TIN PLATED

F3H3MSS ONLY:

1/4-28 UNJF-3A HEX HEAD BOLT
LOCK WASHER AND FLAT WASHER: PASSIVATED PER QQ-P-35

THREADED BASE INSERT: TIN PLATED

WEIGHT: 8.80 OZ [249.47 GRAMS] MAX
DOES NOT INCLUDE LIMITERS AND TERMINAL LUGS.

DRAWING TITLE		DRAWING NO.	
BLOCK, 3 POLE LIMITER		SA20636	
CAT NO.		F3H3M (SEE TABLE SHEET 2)	
CAGE NO.: 09922		SIZE: A	
CUSTOMER		SOURIAU Connection Technology www.souriau.com	
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TOLERANCES UNLESS OTHERWISE SPECIFIED		APPROVAL	
No. OF PLACES		DRAWN: GRB 02-09-07	
ONE PLACE		CHKD : FLR 02-09-07	
TWO PLACES		DSGN : CL 06-26-95	
THREE PLACES		MFG : XXX 02-09-07	
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		DRAWING SCALE: NONE	
		DRAWING NO. REV	
		SA20636 W	

DWG. NO.
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6X .75±.01
[19.1±.3]

CONTACT CLIP

BASE

TYP. CATALOG NO.

4.50
[114.3]

3.75
[95.3]

A
↑

.94
[23.8]

3.00
[76.2]

.94
[23.8]

BURNDY

F3H3M

120ASPEC 32506-B

SEE ALT.
VIEW J
SHT 5.

1.75
[44.5]

1.00
[25.4]

2X .380
[9.7]

1.94
[49.1]

LOCK WASHER

FLAT WASHER

.54
[13.6]

.442±.010
[11.23±.25]

.32
[8.0]

.031
[.79]

.220±.020
[5.59±.50]

THREADED
BASE INSERT

TERMINAL MTG. SCREW

NO CEMENT PERMISSIBLE
IN THIS AREA

SECTION A-A

CATALOG NO. F3H3M SHOWN

SEE ALT. VIEW K
SHT 5

(6X Ø.344)
[8.74]

82°

RIVET

6X Ø.188±.010
[4.78±.25]

SPACER (CEMENTED TO BASE)

FIL TYPE LIMITER
(SHOWN IN POSITION)

1.41
[35.8]

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	MFG: XXX	02-09-07
	QC: XXX	02-09-07

DRAWING SCALE: 1:1

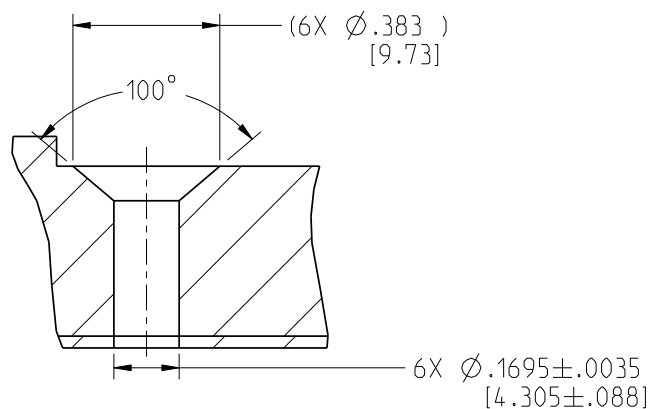
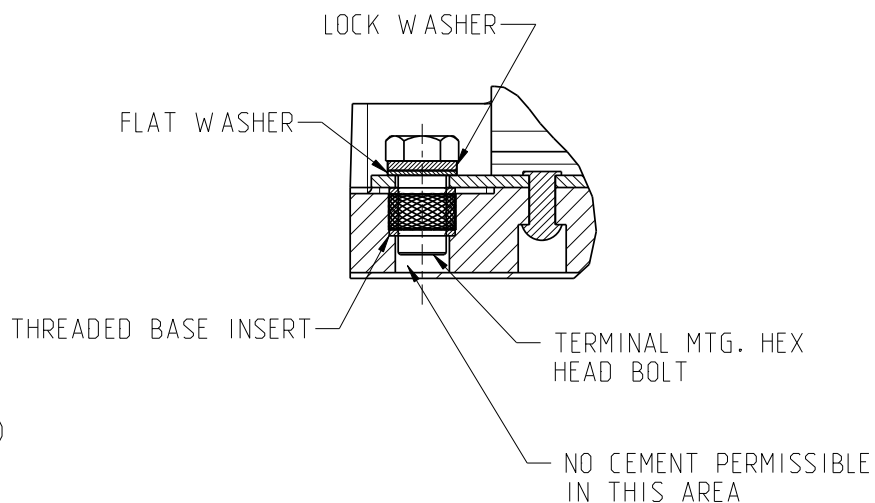
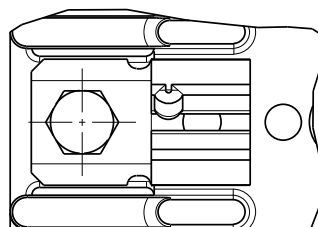
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W

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DWG. NO.
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ALTERNATE VIEW J. SHT 4
CAT NO. F3H3MSS ONLY

ALTERNATE VIEW K. SHT 4
CAT. NO. F3H3MSS ONLY
SCALE 2:1

DRAWING TITLE

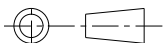
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	DSGN:	CL	06-26-95
	MFG:	DH	02-09-07
	QC:	BH	02-09-07

DRAWING SCALE: 1:2

DRAWING NO. REV

SA20636

W

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