

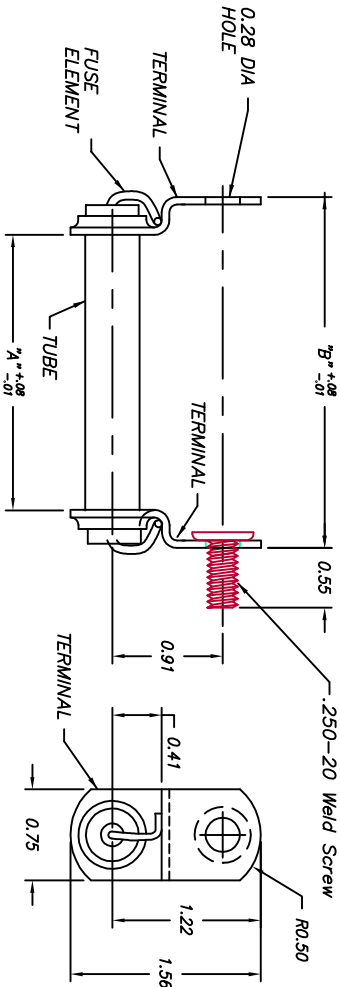
OUTLINE

UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE SURFACES ± 0.01 2 PL DEC ± 0.005 3 PL DEC ANGLES ± 5 DEG

FIRST MADE FOR

9F54 Explosion Fuse

MODEL NUMBER	"A"	"B"	TIME CURRENT CURVE NO.	MAXIMUM DESIGN KV	AMP RATING
9F54DA101	2.25	2.88	A1 SEE NOTE 1	5.2	3
9F54DA201	2.25	2.88	A2 SEE NOTE 1	5.2	4
9F54DA301	2.25	2.88	A3 SEE NOTE 1	5.2	5
9F54DA401	2.25	2.88	A4 SEE NOTE 1	5.2	7
9F54DA501	2.25	2.88	A5 SEE NOTE 1	5.2	9
9F54DA601	2.25	2.88	A6 SEE NOTE 1	5.2	10
9F54DA701	2.25	2.88	A7 SEE NOTE 1	5.2	12
9F54DA801	2.25	2.88	A8 SEE NOTE 1	5.2	15
9F54DA901	2.25	2.88	A9 SEE NOTE 1	5.2	19
9F54DAB001	2.25	2.88	A10 SEE NOTE 1	5.2	24
9F54DAB101	2.25	2.88	A11 SEE NOTE 1	5.2	28
9F54DAB201	2.25	2.88	A12 SEE NOTE 1	5.2	39
9F54DAB301	2.25	2.88	A13 SEE NOTE 1	5.2	45
9F54DAB401	2.25	2.88	A14 SEE NOTE 1	5.2	57
9F54DBA101	3.25	3.88	B1 SEE NOTE 2	8.4	3
9F54DBA201	3.25	3.88	B2 SEE NOTE 2	8.4	4
9F54DBA301	3.25	3.88	B3 SEE NOTE 2	8.4	5
9F54DBA401	3.25	3.88	B4 SEE NOTE 2	8.4	7
9F54DBA501	3.25	3.88	B5 SEE NOTE 2	8.4	9
9F54DBA601	3.25	3.88	B6 SEE NOTE 2	8.4	10
9F54DBA701	3.25	3.88	B7 SEE NOTE 2	8.4	12
9F54DBA801	3.25	3.88	B8 SEE NOTE 2	8.4	15
9F54DBA901	3.25	3.88	B9 SEE NOTE 2	8.4	19
9F54DBB001	3.25	3.88	B10 SEE NOTE 2	8.4	24
9F54DBB101	3.25	3.88	B11 SEE NOTE 2	8.4	28
9F54DBB201	3.25	3.88	B12 SEE NOTE 2	8.4	34
9F54DBB301	3.25	3.88	B13 SEE NOTE 2	8.4	40
9F54DBB401	3.25	3.88	B14 SEE NOTE 2	8.4	48



- NOTES:
1. MINIMUM MELTING T.C.C. - GES 8316
MAXIMUM TOTAL CLEARING T.C.C. - GES 8306
 2. MINIMUM MELTING T.C.C. - GES 8317
MAXIMUM TOTAL CLEARING T.C.C. - GES 8307
 3. FOR VERTICAL MOUNTING ONLY.

REVISIONS

0 14-Feb-1980

1 G.Davis 15-June-89
Retraced; Updated Delin.

2 A. Downs 17-Mar-95
CHANGED ROUTING

3 K. Carroll 28-Jan-96

4 Updated Routing. Retraced onto Outline Template. Updated Terminal Asm per ECN# R80

5 STULPIN 11-MAR-98
CORRECTED MISSING DIM B & .56 & DEC PLACES TO DIM

6 STULPIN 03-FEB-99
UPDATED TEMPLATE

7 STULPIN 20-APR-01
ADDED AMP RATING

8 GILLAND 11/12/03
ADDED TOLERANCE

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TITLE

OUTLINE (EXPULSION FUSE)

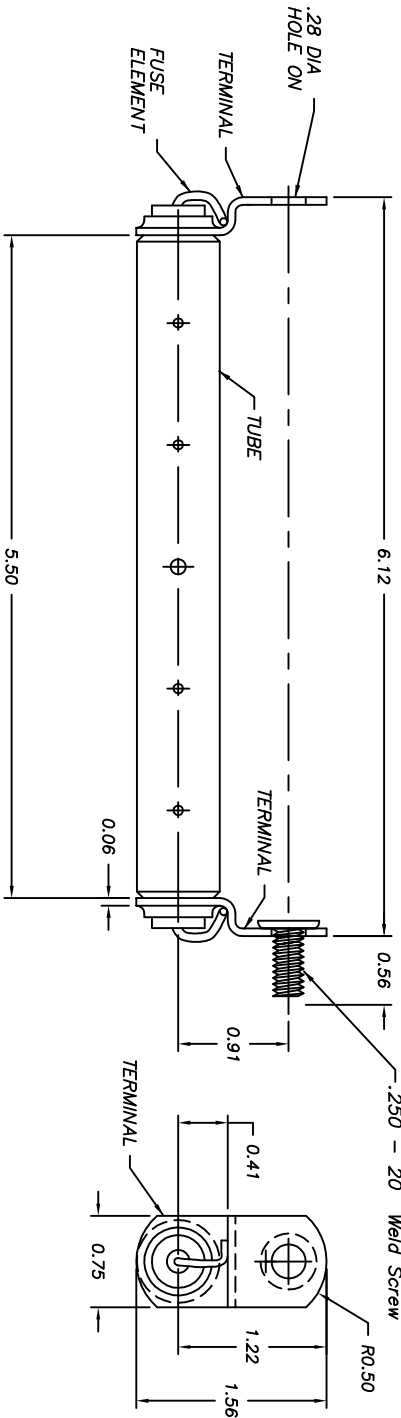
CONT ON SH 2

SH 1

FIRST MADE FOR

9F54 Expulsion Fuses

UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE			
SURFACES	2 PL DEC	3 PL DEC	ANGLES
✓	± 0.03	± 0.005	± 5 DEG



MODEL NUMBER	TIME CURRENT CURVE NO.	MAXIMUM DESIGN KV	AMP RATING
9F54DCA101	C1 SEE NOTE 1	23.0	3
9F54DCA201	C2 SEE NOTE 1	23.0	4
9F54DCA301	C3 SEE NOTE 1	23.0	5
9F54DCA401	C4 SEE NOTE 1	23.0	7
9F54DCA501	C5 SEE NOTE 1	23.0	9
9F54DCA601	C6 SEE NOTE 1	23.0	10
9F54DCA701	C7 SEE NOTE 1	23.0	12
9F54DCA801	C8 SEE NOTE 1	23.0	15
9F54DCA901	C9 SEE NOTE 1	23.0	19
9F54DCB001	C10 SEE NOTE 1	23.0	24
9F54DCB101	C11 SEE NOTE 1	23.0	28

NOTES:
 1. MINIMUM MELTING T.C.C. - GES 8318
 MAXIMUM TOTAL CLEARING T.C.C. - GES 8308
 2. FOR VERTICAL MOUNTING ONLY.

REVISIONS

5	K. Carroll 27-June-97	Deleted Dims on weeps holes. Updated Routing ECN # R101 Chg .250 RD-HD SCR Moved Old Dim's to Note Lyr
6	K. Carroll 24-February-98	Chg OA dim from 6.06. Chg 5.44 DIM ECN #R157
7	STULPIN 04-FEB-99	UPDATED TEMPLATE
8	STULPIN 20-APR-01	ADDED AMP RATINGS

MADE BY: A. Millikan 04-FEB-80
 ISSUED BY: S. STULPIN 20-APR-01

APPROVALS

HICKORY
ERMCO

32B548086
CONT ON SH 2
SH 1

PRINTS
NO

SH 1

UNLESS OTHERWISE SPECIFIED

ERMCO COMPONENTS, INC.

DWG NO. 2B548092

SURFACES
✓

TOLERANCES		
2 PL DEC	3 PL DEC	ANGLES
± .03	±	±

THE INFORMATION CONTAINED ON THIS DOCUMENT IS PROPRIETARY TO ERMCO COMPONENTS, INC. AND MAY NOT BE USED FOR ANY OTHER PURPOSES THAN THOSE EXPRESSLY AUTHORIZED BY ECI.

SH 2 NUMBER OF SHS.
TITLE: **OUTLINE (EXPULSION FUSE)**
FIRST MADE FOR:

MODEL NUMBER	TIME CURRENT CURVE NO.	MAXIMUM DESIGN KV	AMP RATING
9F54DDA102	C1 SEE NOTE 1	15	3
9F54DDA202	C2 SEE NOTE 1	15	4
9F54DDA302	C3 SEE NOTE 1	15	5
9F54DDA402	C4 SEE NOTE 1	15	7
9F54DDA502	C5 SEE NOTE 1	15	9
9F54DDA602	C6 SEE NOTE 1	15	10
9F54DDA702	C7 SEE NOTE 1	15	12
9F54DDA802	C8 SEE NOTE 1	15	15
9F54DDA902	C9 SEE NOTE 1	15	19
9F54DDB002	C10 SEE NOTE 1	15	24
9F54DDB102	C11 SEE NOTE 1	15	28

REVISIONS

NO.	DESCRIPTION	DATE
1	Update changes on parts 2A543006P03 & 2A953001P01	10/19/04

B

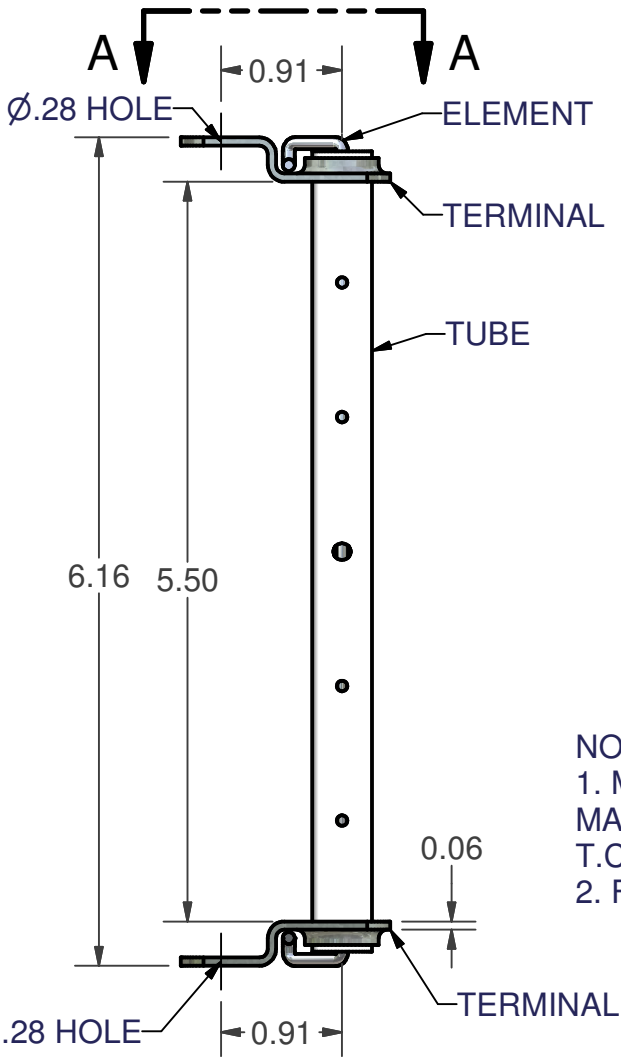
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VIEW A-A

NOTES:
 1. MINIMUM MELTING T.C.C.-GES 8318
 MAXIMUM TOTAL CLEARING
 T.C.C.-GES 8308.
 2. FOR VERTICAL MOUNTING ONLY.

DRAWN BY: R. GILLAND
ECN: 5/8/2003

APPROVAL

ECI

DWG NO. 2B548092
SH 2 NUMBER OF SHS.
TITLE: **OUTLINE (EXPULSION FUSE)**
FIRST MADE FOR:

ISSUED BY: Nicholas Adams
10/19/2004



TITLE

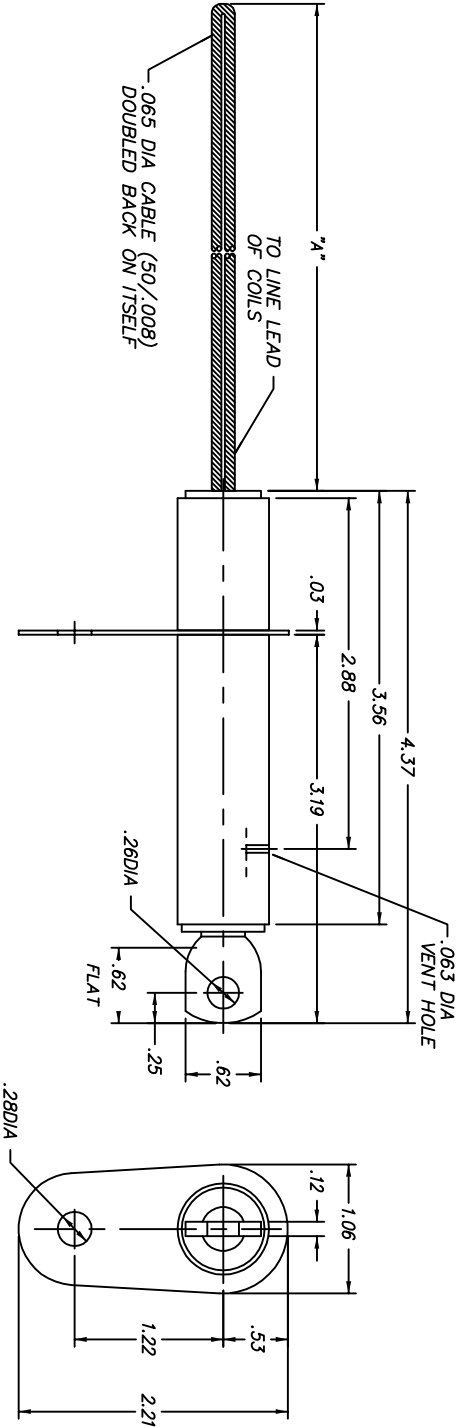
OUTLINE (EXPULSION FUSE)

32B548089
CONT ON SH 2
SH 1

UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE
SURFACES ± 0.03 2 PL DEC 3 PL DEC ANGLES ± 5 DEG

FIRST MADE FOR

9F54 Expulsion Fuses



MODEL NUMBER	*A*	TIME CURRENT CURVE NO.	MAXIMUM DESIGN KV	AMP RATING
9F54WLD002	4.00	30 SEE NOTE 1	15.0	24
9F54WLD102	4.00	31 SEE NOTE 1	15.0	41
9F54WLD202	4.00	32 SEE NOTE 1	15.0	74
9F54WLD303	4.00	33 SEE NOTE 1	15.0	104
9F54WLD302	8.00	33 SEE NOTE 1	15.0	104

- NOTES:
 1. MINIMUM MELTING T.C.C. - GES 8311
 2. MAXIMUM TOTAL CLEARING T.C.C. - GES 8301-A
 3. FUSE MUST BE MOUNTED VERTICAL WITH THE .12 X .62 COPPER TANG UP.

REVISIONS

NO.	DATE	DESCRIPTION	APPROVAL	DESIGNER	CHECKER	DATE	PRINTS TO
2	JAN. 20, 1982						
3	G.DAVIS JUNE 19, 1989	RETRACED; UPDATE DELIN.					
4	ABD 17MAR95	CHG ROUTING					
5	STULPIN 04-FEB-99	UPDATED TEMPLATE					
6	STULPIN 20-APR-01	ADDED AMP RATINGS					

MADE BY: A.MILLIKAN FEB. 11, 1980
 ISSUED BY: S. STULPIN 20-APR-01

APPROVAL

HICKORY ERMCO

32B548089
CONT ON SH 2
SH 1

REPLACES
3127B54801006



TITLE

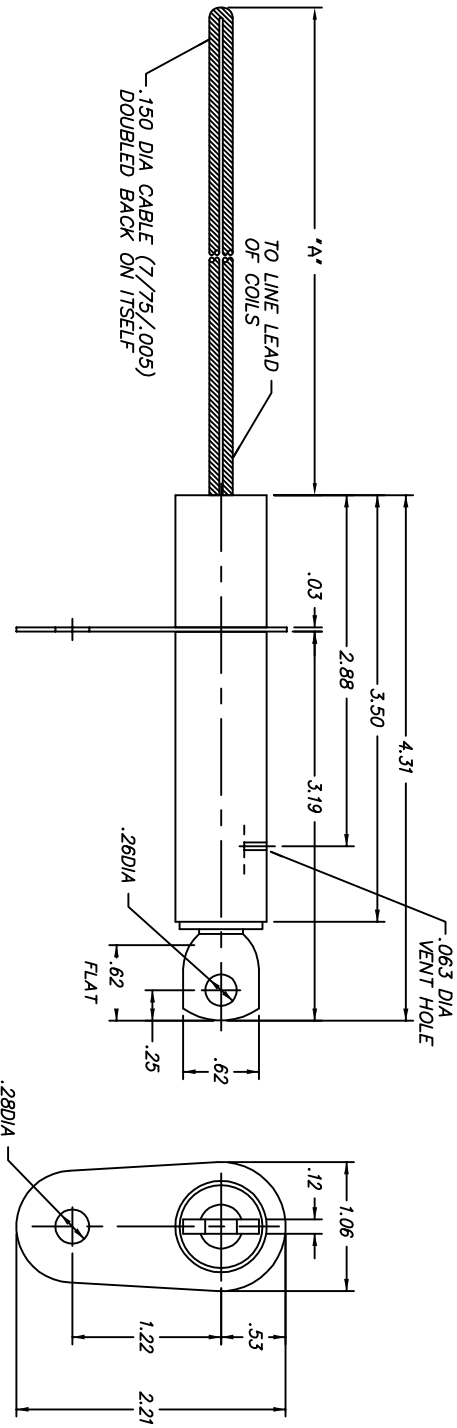
OUTLINE (EXPULSION FUSE)

32B548090
CONT ON SH 2
SH 1

UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE			
SURFACES	2 PL DEC	3 PL DEC	ANGLES
✓	±	±	± DEG

FIRST MADE FOR

9F54 Expulsion Fuses



MODEL NUMBER	"A"	TIME CURRENT CURVE NO.	MAXIMUM DESIGN KV	AMP RATINGS
9F54WLD402	4.00	34 SEE NOTE 1	15.0	146
9F54WLD502	4.00	35 SEE NOTE 1	15.0	200
9F54WLD602	4.00	36 SEE NOTE 1	15.0	272

NOTES:
1. MINIMUM MELTING T.C.C. - GES 8311
2. MAXIMUM TOTAL CLEARING T.C.C. - GES 8301-A
3. FUSE MUST BE MOUNTED VERTICAL WITH THE .12 X .62 COPPER TANG UP.

REVISIONS

1	OCT. 24, 1980																		
2	C. DAVIS JUNE 19, 1989	RETRACED; UPDATE DELIN.																	
4	ABD 17MAR95	CHG ROUTING																	
5	STULPIN 04-FEB-99	UPDATED TEMPLATE																	
6	STULPIN 21-JAN-01	ADDED COLUMN A & DIM A ECN: NONE																	
7	STULPIN 20-APR-01	ADDED AMP RATINGS																	

REPLACES
3127B54801007

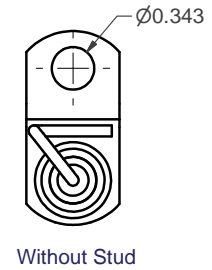
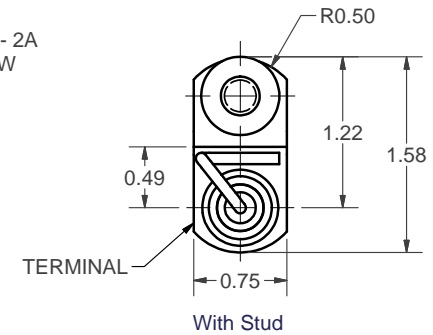
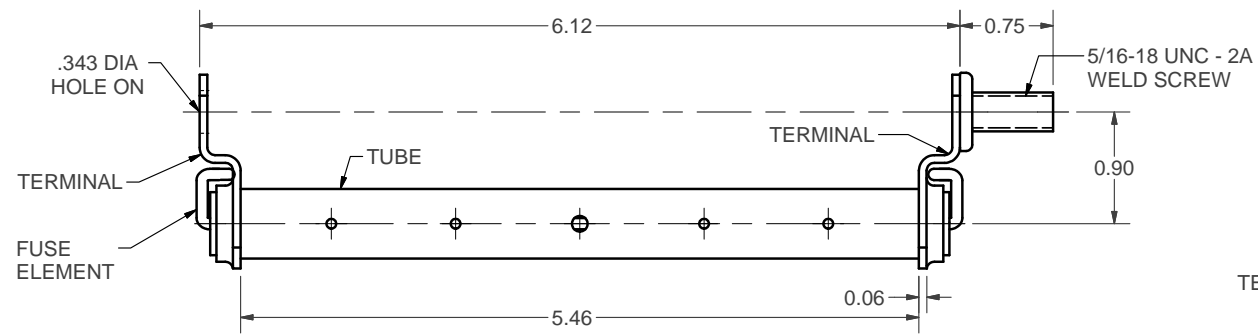
MADE BY: A.MILLIKAN FEB. 11, 1980	APPROVAL	HICKORY ERMCO	32B548090	SH 1
ISSUED BY: S. STULPIN 20-APR--01			CONT ON SH 2	

PRINTS TO

REV. 1
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B-23
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6/11

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UNLESS OTHERWISE SPECIFIED			ERMCO COMPONENTS, INC.		DWG NO. 2B548093
SURFACES ✓	TOLERANCES		THE INFORMATION CONTAINED ON THIS DOCUMENT IS PROPRIETARY TO ERMCO COMPONENTS, INC. AND MAY NOT BE USED FOR ANY OTHER PURPOSES THAN THOSE EXPRESSLY AUTHORIZED BY ECI.		SH 1 NUMBER OF SHS. 1 TITLE: Outline (Expulsion Fuse) FIRST MADE FOR: 9F54 Expulsion Fuses
	2 PL DEC	3 PL DEC			
	± .010	± .005	± 5°		



MODEL NUMBER		TIME CURRENT CURVE NUMBER	MAXIMUM DESIGN KV	AMP RATING
WITH STUD	WITHOUT STUD			
9F54ECA101	9F54ECA102	C1	23.0	3
9F54ECA201	9F54ECA202	C2	23.0	4
9F54ECA301	9F54ECA302	C3	23.0	5
9F54ECA401	9F54ECA402	C4	23.0	7
9F54ECA501	9F54ECA502	C5	23.0	9
9F54ECA601	9F54ECA602	C6	23.0	10
9F54ECA701	9F54ECA702	C7	23.0	12
9F54ECA801	9F54ECA802	C8	23.0	15
9F54ECA901	9F54ECA902	C9	23.0	19
9F54ECB001	9F54ECB002	C10	23.0	24
9F54ECB101	9F54ECB102	C11	23.0	28

NOTES:
1. MINIMUM MELTING T.C.C. - GES 8318
MAXIMUM TOTAL CLEARING T.C.C. - GES 8308
2. FOR VERTICAL MOUNTING ONLY.

REVISIONS	
1	Added without stud ECN B648
	N. Adams 6/10/11
	PRINTS TO ECI-BTL

DRAWN BY: Nicholas Adams	ECN B591 1/11/2011	APPROVAL ECI	DWG NO. 2B548093
ISSUED BY: Nicholas Adams	6/10/2011		SH 1 NUMBER OF SHS. 1 TITLE: Outline (Expulsion Fuse)

4 3 2 1

