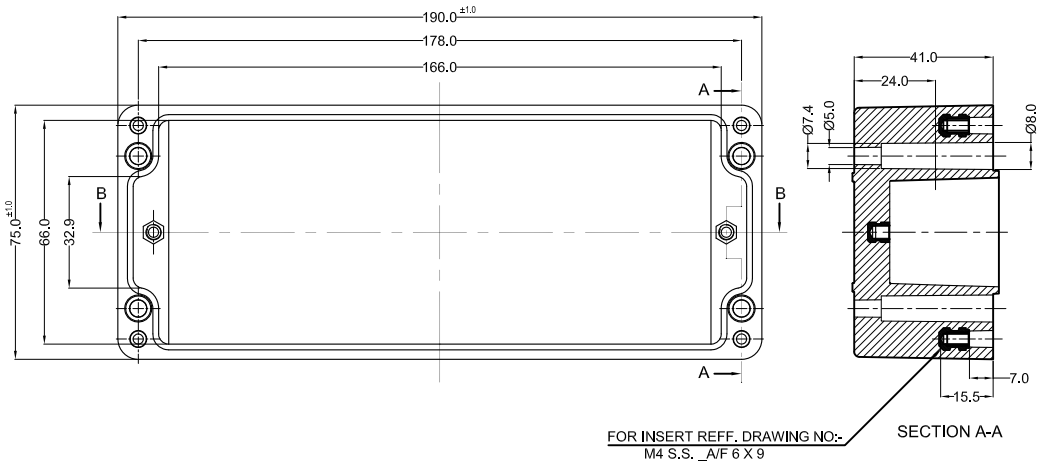

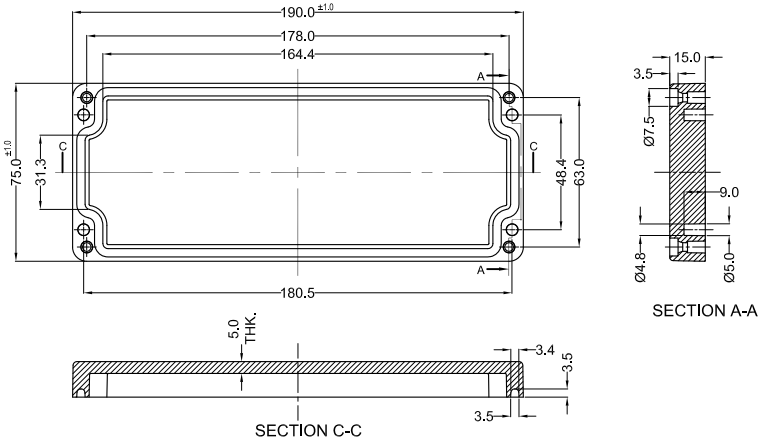

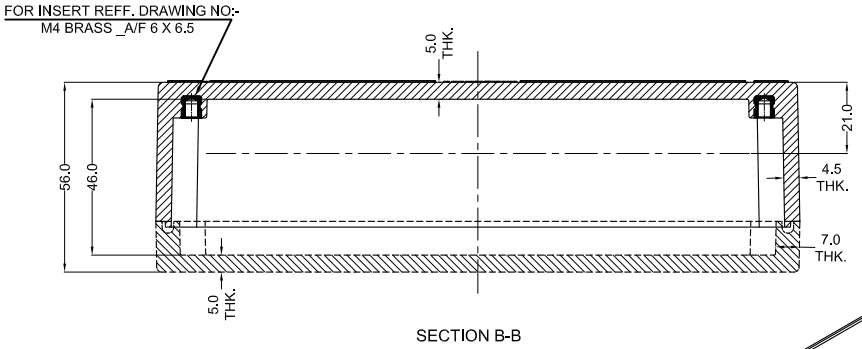

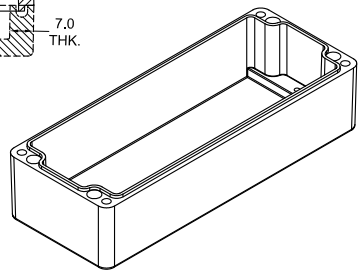

GENERAL SPECIFICATION AND AREA CLASSIFICATION:

1. STANDARDS - IEC/EN 60079-0, IEC/EN 60079-7 & IEC/En 60079-31.
2. MATERIAL - GRP - GLASS REIGNFORCE POLYESTER - SHEET MOLDING COMPOUND
3. DEGREE OF PROTECTION IP66 AS PER IEC 60529 : 1989 +A1 : 2000
4. GASKET MANUFACTURER - WACKER CHEMIE AG, MODEL: CENUSIL R 150 AND - CONTINOUS OPERATING TEMPERATURE AS - 70°C TO 200°C
5. GLASS % - 30% FOR Ex HOUSING ; DENSITY - 1.7 to 1.9 g/cm2 ; IMPACT - 7J
6. SERVICE TEMPERATURE RANGE : - 50 °C to +100 °C
7. ALL DIMENSIONS ARE IN mm. UNLESS STATED OTHERWISE.
8. STANDARD COLOUR - BLACK
9. THE JUNCTION BOX WILL BE MARKED WITH

II 2 G Ex e IIC Gb

II 2 D Ex tb IIIC Db IP 66 IP

0539 DEMKO 13 ATEX XXXXXXXU
IECEx UL 13.XXXXU

10. TIGHTENING TORQUE - (1-2) NM
11. EXTERNAL / INTERNAL EARTHING CONDUCTOR CROSS SECTION 4mm² To 35 mm²

Opening Detail (Size)	Equivalent thrgh hole dia for Gland with Earthing Plate mm	NO OF HOLES SIDE A/B	Min. Distance between the opening for Side A/B (mm)	NO OF HOLES SIDE C/D	Min. Distance between the opening for Side C/D (mm)	Opening Detail (Size) PG	Equivalent thrgh hole dia for Gland with Earthing Plate mm	NO OF HOLES SIDE A/B	Min. Distance between the opening for Side A/B (mm)	NO OF HOLES SIDE C/D	Min. Distance between the opening for Side C/D (mm)	Opening Detail (Size) NPT	NO OF HOLES SIDE A/B	Min. Distance between the opening for Side A/B (mm)	NO OF HOLES SIDE C/D	Min. Distance between the opening for Side C/D (mm)	Min. Distance of last opening from the enclosure end on side A/B (mm)	Min. Distance of last opening from the enclosure end on side C/D (mm)
	12	6	8	1	8	Pg.7	12.5	5	8.5	1	8.5	1/4" NPT	6	10	1	10	23	26
M16	16	4	9	1	9	Pg.9	15.2	4	9	1	9	3/8" NPT	4	10	1	10	24	26.5
M20	20	3	8	1	8	Pg.11	18.6	4	8.5	1	8.5	1/2" NPT	3	10	1	10	23	26
M25	25					Pg.13.5	20.4	3	8.5	1	8.5	3/4" NPT					27	28
M32	32					Pg.16	22.5					1" NPT						
M40	40					Pg.21	28.3					1-1/4" NPT						
M50	50					Pg.29	37					1-1/2" NPT						
M63	63					Pg.36	47					2" NPT						
						Pg.42	54					-						
						Pg.48	59.3					-						

NOTE :-

1) MACHINING DIMENSIONS TOLERANCE - ISO 2768-m
2) ALL EDGES ARE BURR FREE
3) HOLE AND THREADED HOLES PERPENDICULAR TO THE BOX FACE

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Sr.No.	Drawing no.	RM Grade	Finish	VERSION
4	GASKET	-	SILICONE	-
3	GJB-1907555-B-03	SMC-808-30	BLACK RAL9011	02
2	GJB-1907555-B-02	SMC-808-30	BLACK RAL9011	01
1	GJB-1907555-B-01	SMC-405-23	GREY RAL7000	

NO.	REV.NO.	DESCRIPTION	DATE	DRAWN	CHECKED
-	-	-	-	-	-

QUANTITY -

MATERIAL :- ———

MACH.NAME -

TOLERANCE

-	DIMENSIONS
-	HOLES
-	ANGLES

WEIGTH : -

FINISH : -

ALL DIMENSION ARE IN MM

GRJ 09

TITLE :- Ex TYPE GRP JUNCTION BOX 190 x 75 x 55

	DATE	SIGN	NAME	
			RRPL	DESIGN
	31/03/15		MANOJ	DRAWN
	31/03/15		G.K.	CHECKED
	31/03/15		J.B.	APPROVED

Raychem RPG (P) Limited
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Web : www.raychemrpg.com

SCALE | MODEL NO. ExGRJ 09

REV 0

DRG. NO. Ex-GRJ 09-1907555-U