



GENERAL SPECIFICATION AND AREA CLASSIFICATION:

- STANDARDS - IEC/EN 60079-0, IEC/EN 60079-7 & IEC/En 60079-31.
- MATERIAL - GRP - GLASS REINFORCE POLYESTER - SHEET MOLDING COMPOUND
- DEGREE OF PROTECTION IP66 AS PER IEC 60529 : 1989 +A1 : 2000
- GASKET MANUFACTURER - WACKER CHEMIE AG, MODEL: CENUSIL R 150 AND - CONTINUOUS OPERATING TEMPERATURE AS - 70°C TO 200°C
- GLASS % - 30% FOR Ex HOUSING ; DENSITY - 1.7 to 1.9 g/cm² ; IMPACT - 7J
- SERVICE TEMPERATURE RANGE : - 50 °C to +100 °C
- ALL DIMENSIONS ARE IN mm. UNLESS STATED OTHERWISE.
- STANDARD COLOUR - BLACK
- 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.XXXU

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

Opening Detail (Size)	Equivalent through 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 through 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)
M12	12	14	8	4	8	Pg.7	12.5	14	8.5	3	8.5	1/4" NPT	14	10	4	10	24	31
M16	16	12	9	3	9	Pg.9	15.2	12	9	2	9	3/8" NPT	12	10	3	10	25	31.5
M20	20	8	8	2	8	Pg.11	18.6	8	8.5	2	8.5	1/2" NPT	8	10	2	10	24	31
M25	25	5	12	1	12	Pg.13.5	20.4	6	8.5	2	8.5	3/4" NPT	5	14	1	14	28	33
M32	32	3	16	1	16	Pg.16	22.5	5	10	1	10	1" NPT	3	18	1	18	32	35
M40	40	3	20	-	20	Pg.21	28.3	3	13	1	13	1-1/4" NPT	3	22	-	36	37	
M50	50	-	-	-	-	Pg.29	37	2	17	-	-	1-1/2" NPT	-	-	-	37	37.5	
M63	63	-	-	-	-	Pg.36	47	-	-	-	-	2" NPT	-	-	-	-	-	-
						Pg.42	54	-	-	-	-	-	-	-	-	-	-	-
						Pg.48	59.3	-	-	-	-	-	-	-	-	-	-	-

- NOTE :-
- MACHINING DIMENSIONS TOLERANCE - ISO 2768-m
 - ALL EDGES ARE BURR FREE
 - HOLE AND THREADED HOLES PERPENDICULAR TO THE BOX FACE

3	GASKET	-	SILICONE
2	GJB-22012091-B-02	SMC-808-30	BLACK RAL9011
1	GJB-22012091-B-01	SMC-405-23	GREY RAL7000
Sr.No.	Drawing no.	RM Grade	Finish

NO.	REV.NO.	DESCRIPTION	DATE	DRAWN	CHECKED
-	-	-	-	-	-
QUANTITY	MATERIAL :-	MACH.NAME	DATE	SIGN	NAME
-	-	-	31/08/15		RRPL DESIGN
			31/08/15		MANOJ DRAWN
			31/08/15		G.K. CHECKED
			31/08/15		J.B. APPROVED
TOLERANCE	WEIGHT:	FINISH:	TITLE :- EX TYPE GRP JUNCTION BOX 220 x 120 x 91		
-	-	-	Raychem RPG (P) Limited		
-	-	-	Coat Mahal Annexe, Dr. Annie Besant Road, Worli, Mumbai 400030		
-	-	-	Web : www.raychemrpg.com		
ALL DIMENSION ARE IN MM		SCALE	MODEL NO.	EXGRJ 11	
		REV			DRG. NO.
		0			EX-GRJ 11 -22012091-U