



FOR INSERT REFF.DRAWING NO:- M6 BRASS /AF9 X 8.5

**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/cm<sup>2</sup> ; 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 XXXXXXXX  
IECEx UL 13.XXXXX

- TIGHTENING TORQUE - (1-2) NM
- EXTERNAL / INTERNAL EARTHING CONDUCTOR CROSS SECTION 4mm<sup>2</sup> To 35 mm<sup>2</sup>

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	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	30	8	28	8	Pg.7	12.5	28	8.5	30	8.5	1/4" NPT	30	10	28	10	28	39
M16	16	24	9	22	9	Pg.9	15.2	24	9	22	9	3/8" NPT	24	10	22	10	29	39.5
M20	20	16	8	12	8	Pg.11	18.6	16	8.5	12	8.5	1/2" NPT	16	10	12	10	28	39
M25	25	10	12	9	12	Pg.13.5	20.4	14	8.5	10	8.5	3/4" NPT	10	14	9	14	32	41
M32	32	7	16	6	16	Pg.16	22.5	10	10	10	10	1" NPT	7	18	6	18	36	43
M40	40	3	20	3	20	Pg.21	28.3	6	13	8	13	1-1/4" NPT	3	22	3	22	40	45
M50	50	2	21	1	21	Pg.29	37	4	17	4	17	1-1/2" NPT	2	21	1	21	41	45.5
M63	63					Pg.36	47	2	20	3	20	2" NPT					41	45.5
						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-255250120-L-02	SMC-808-30	BLACK RAL9011
1	GJB-255250120-L-01	SMC-405-23	GREY RAL7000
<b>Sr.No.</b>	<b>Drawing no.</b>	<b>RM Grade</b>	<b>Finish</b>

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NO.	REV.NO.	DESCRIPTION	DATE	DRAWN	CHECKED
QUANTITY	MATERIAL :-	MACH.NAME	DATE	SIGN	NAME
			31/03/15		RRPL DESIGN
			31/03/15		RAJESH DRAWN
			31/03/15		G.K. CHECKED
			31/03/15		J.B. APPROVED
TOLERANCE		TITLE :-	SCALE	MODEL NO.	ExGRJ 12
- DIMENSIONS		Ex TYPE			
- HOLES		GRP JUNCTION BOX			
- ANGLES		255 x 250 x 120			
		WEIGHT :-	Raychem RPG (P) Limited		
		FINISH :-	Ceat Mahal Annexe,		
			Dr. Annie Besant Road ,		
			Worli , Mumbai 400030		
			Web : www.raychemrpg.com		
		ALL DIMENSION ARE IN MM	DRG. NO.		
		GRJ 12	0		
			Ex-GRJ 12-255250120-U		