

GRP Junction Boxes



OSGP Type

APPLICATION

The OSGP GRP junction boxes have proven their use in many sectors of industry. The OSGP GRP enclosure comprise 5 sizes of enclosure manufactured in Glass Fibre Reinforced Polyester (GRP). This material is highly resistant to contamination from oils, fats, aliphatic and also is suitable for LSOH (low smoke zero halogen) applications.

Polyester gives excellent mechanical strength and life expectancy.

The OSGP enclosures are suitable for use with in hazardous areas and can be supplied certificates, such as ATEX and IECEx



TECHNICAL INFORMATION / SPECIFICATIONS

Material : Glass Fibre Reinforced Polyester (GRP)

Area Classification : Zone 1, Zone 2, Zone 21 and Zone 22

Ingress Protection : IP66, IP67 -EN/IEC 60529

Wide Operating Temperature : -70° ~ +130°

Certificate : ATEX Eex e , IECEx e

Impact Resistance : 7Nm (EN50014)

Color : RAL9005 Black

Toxicity : Low Smoke Halogen-Free

V-O Self Extinguishing, UL94

Gasket : Silicon rubber

Mounting : Integral 4.5mm clearance holes

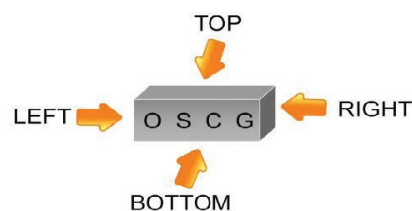
moulded into the body

Earthing : Optional M6 internal/external earth stud, brass or stainless steel

Surface Insulation Resistance : 1060hm ≤black≤1090hm,

CERTIFICATION:

IECEx. ATEX



TYPE DESIGNATION:

The COMPLETE MODEL No is as follows :

OSGP1 4 M O T 1

① ② ③ ④ ⑤ ⑥

MODEL TYPE

Type	W(width)*H(height)*D(depth			Weight empty[g]	Pack Qty
	W	H	D		
OSGP1	122	120	90	750g	100
OSGP2	220	120	90	1060g	
OSGP3	160	160	90	1060g	100
OSGP4	260	160	90	23 pcs	100
OSGP5	360	160	90	2150g	

	OSGP1	OSGP2	OSGP3	OSGP4	OSGP5
WDU2.5	1*12	1*30	1*20	1*36	1*52
WDU4	1*11	1*28	1*18	1*33	1*48
WDU6	1*11	1*22	1*13	1*27	1*40

[** Terminal block is WDU series or equivalent products.]

	OSGB1		OSGB2		OSGB3		OSGB4		OSGB5	
	T+B	L+R	T+B	L+R	T+B	L+R	T+B	L+R	T+B	L+R
M20/ NPT1/2"	4	2	6	2	8	6	14	6	20	6
M25/ NPT3/4"	2	1	5	1	3	2	6	2	9	2
M32/ NPT1"	1	1	3	1	2	1	4	1	6	1

[** T+B: Top+Bottom, L+R: Left+Right]

No.	DESCRIPTION	SYMBOL	DETAIL
1	BASIC MODE	OSGP1	122*120*90(mm)
		OSGP2	220*120*90(mm)
		OSGP3	160*160*90(mm)
		OSGP4	260*160*90(mm)
		OSGP5	360*160*90(mm)
2	TB SIZE(SQ)	2.5	2.5SQ
		04	4SQ
		06	6SQ
		10	10SQ
		16	16SQ
		35	35SQ
3	ENTRY THREAD TYPE	M	METRIC
		NPT	NPT
4	ENTRY SIZE	0	M16 OR NPT 1/2"
		1	M20 OR NPT 1/2"
		2	M25 OR NPT 3/4"
		3	M32 OR NPT 1"
5	ENTRY SIZE	T	TOP SIDE
		B	BOTTOM SIDE
		L	LEFT SIDE
		R	RIGHT SIDE
6	Q'TY OF ENTRY(EA)	01	1EA
		02	2EA
		03	3EA
		-	-
		52	52EA

Individual product data sheets available from www.oscgglands.com.au