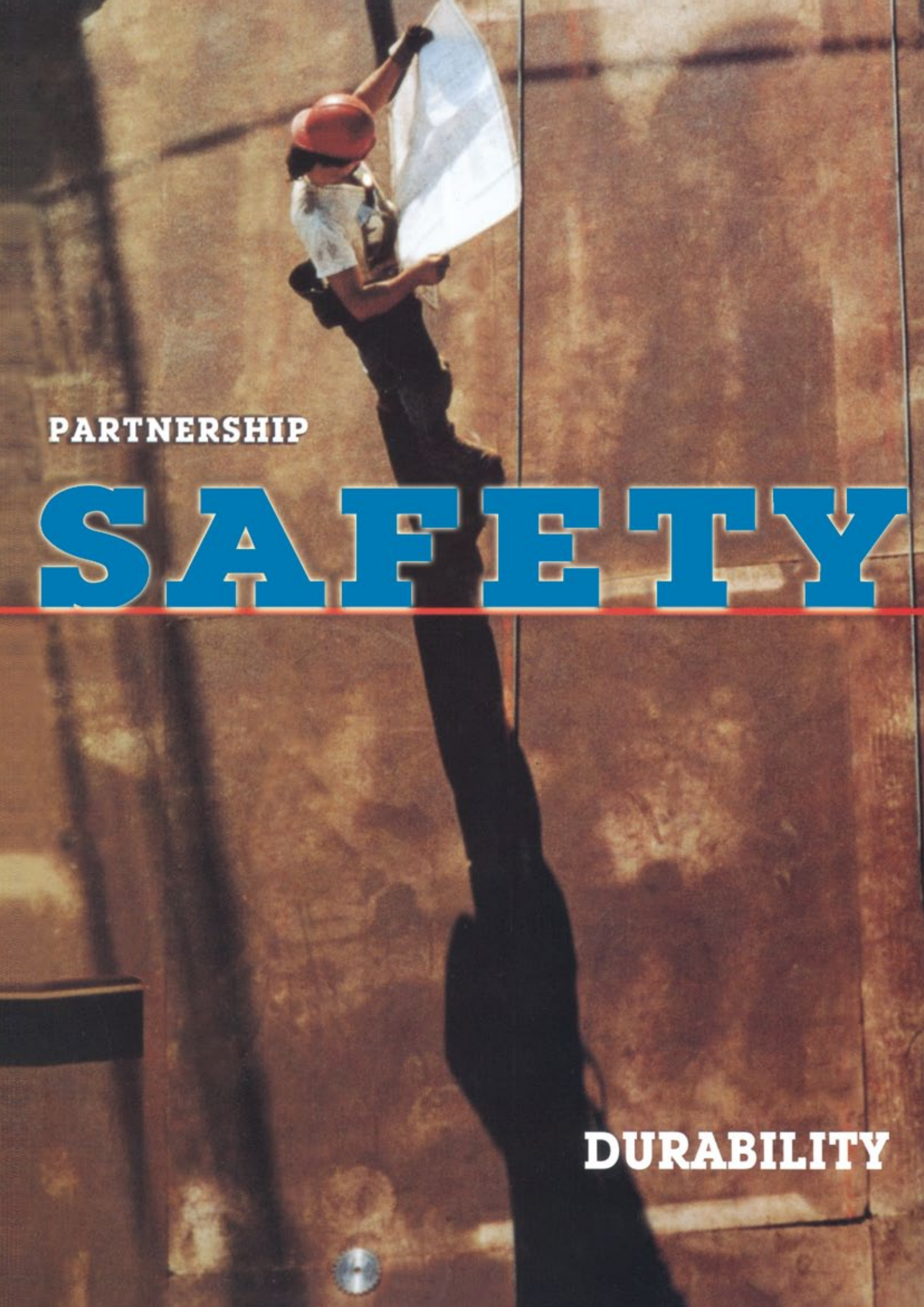


# METAL ENCLOSURES IP66





**PARTNERSHIP**

# **SAFETY**

**DURABILITY**

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# METAL ENCLOSURES IP66

## Applications

Metal Enclosures are designed to accommodate various types of switchgear and controlgear assemblies to suit a variety of electrical installations in commercial and light industrial premises. They are designed for outdoor applications up to IP66.

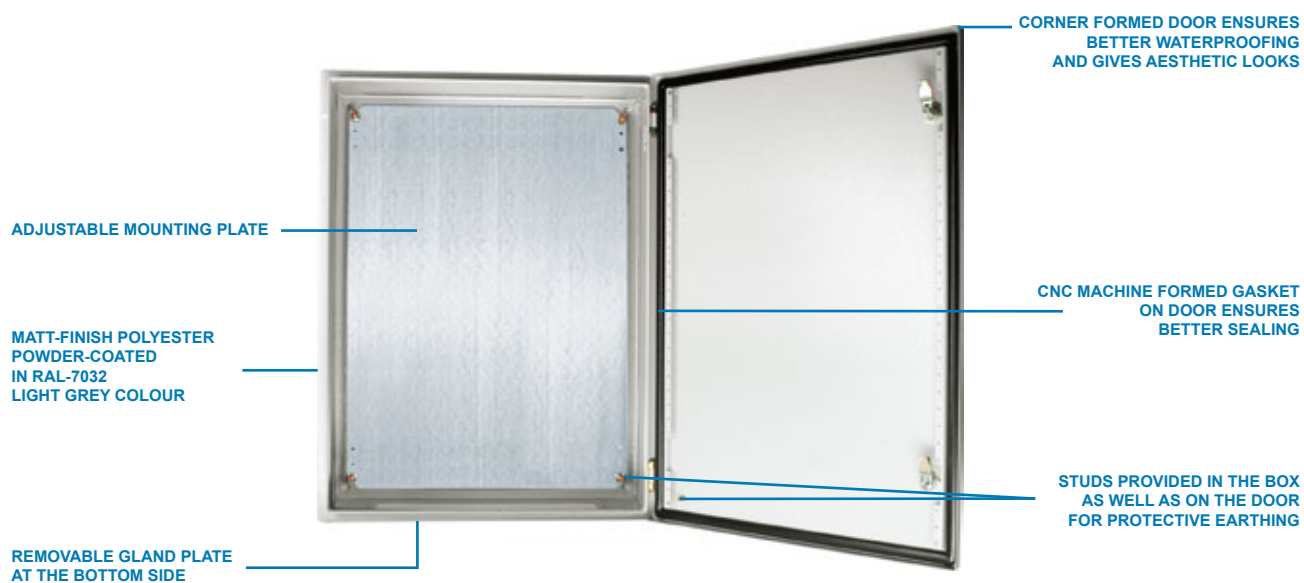


Figure - 1



Figure - 2



Figure - 3



Figure - 4



## Specifications

- Made of high quality electro-galvanized steel sheet of thickness up to 1.5mm (refer tables on page 3 - 5)
- Matt-finish polyester powder coated in RAL-7032 light grey colour
- Standard mounting plate made of hot dip galvanized steel sheet of 2mm thickness with holes for strips (Figure - 3, can be supplied separately)
- Complies with IEC 60529/62208 standards
- Complies with CE standards
- Degree of protection up to IP66

## Features

- Earthing studs are provided on both the enclosure and the door (Figure - 4)
- CNC machine formed polyurethane gasket for reliable sealing (Figure - 5)
- Corner formed door ensures better weatherproofing and gives aesthetic looks (Figure - 6)
- Easily removable hinges, ideal for changing the door opening direction (for certain sizes)
- Special profiled lip for better waterproofing (Figure - 7)
- Lock features:
  - Quarter turn cylindrical lock
  - Metal keys and locking mechanism for durability (Figure - 8)
  - Key engaged when the lock is open
- A kit containing assembly hardware and instruction manual is provided with the enclosure



Figure - 8



Figure - 5



Figure - 6



Figure - 7

# METAL ENCLOSURES IP66

## Product range

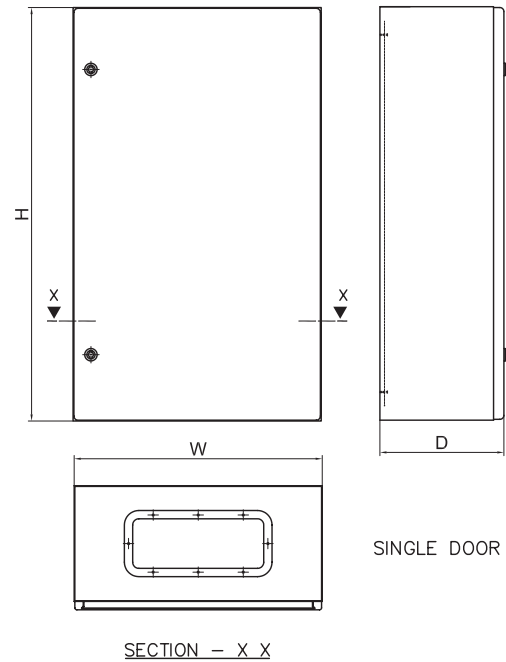
### \* Metal Enclosures Single Door

S#	Order Reference	H mm	W mm	D mm	Thickness	
					Encl (mm)	Mtg.Plt (mm)
1	047-SB202015D	200	200	150	1.2	2
2	047-SB252015D	250	200	150	1.2	2
3	047-SB252515D	250	250	150	1.2	2
4	047-SB302015D	300	200	150	1.2	2
5	047-SB302515D	300	250	150	1.2	2
6	047-SB302520D	300	250	200	1.2	2
7	047-SB303015D	300	300	150	1.2	2
8	047-SB303020D	300	300	200	1.2	2
9	047-SB403015D	400	300	150	1.2	2
10	047-SB403020D	400	300	200	1.2	2
11	047-SB404015D	400	400	150	1.2	2
12	047-SB404020D	400	400	200	1.2	2
13	047-SB404021D	400	400	210	1.2	2
14	047-SB404025D	400	400	250	1.5	2
15	047-SB406015D	400	600	150	1.2	2
16	047-SB406020D	400	600	200	1.2	2
17	047-SB406021D	400	600	210	1.2	2
18	047-SB406025D	400	600	250	1.5	2
19	047-SB406030D	400	600	300	1.5	2
20	047-SB504015D	500	400	150	1.2	2
21	047-SB504020D	500	400	200	1.2	2
22	047-SB504021D	500	400	210	1.2	2
23	047-SB504025D	500	400	250	1.5	2
24	047-SB504030D	500	400	300	1.5	2
25	047-SB505015D	500	500	150	1.2	2
26	047-SB505020D	500	500	200	1.2	2
27	047-SB505021D	500	500	210	1.2	2
28	047-SB505025D	500	500	250	1.5	2
29	047-SB505030D	500	500	300	1.5	2
30	047-SB604015D	600	400	150	1.2	2
31	047-SB604020D	600	400	200	1.2	2
32	047-SB604021D	600	400	210	1.2	2
33	047-SB604025D	600	400	250	1.5	2
34	047-SB604030D	600	400	300	1.5	2
35	047-SB605015D	600	500	150	1.2	2
36	047-SB605020D	600	500	200	1.2	2
37	047-SB605021D	600	500	210	1.2	2
38	047-SB605025D	600	500	250	1.5	2
39	047-SB605030D	600	500	300	1.5	2
40	047-SB606015D	600	600	150	1.2	2
41	047-SB606020D	600	600	200	1.2	2
42	047-SB606021D	600	600	210	1.2	2
43	047-SB606025D	600	600	250	1.5	2
44	047-SB606030D	600	600	300	1.5	2
45	047-SB705015D	700	500	150	1.2	2
46	047-SB705020D	700	500	200	1.2	2
47	047-SB705021D	700	500	210	1.2	2
48	047-SB705025D	700	500	250	1.5	2
49	047-SB705030D	700	500	300	1.5	2
50	047-SB706015D	700	600	150	1.5	2
51	047-SB706020D	700	600	200	1.5	2
52	047-SB706021D	700	600	210	1.5	2
53	047-SB706025D	700	600	250	1.5	2
54	047-SB706030D	700	600	300	1.5	2
55	047-SB707015D	700	700	150	1.5	2
56	047-SB707020D	700	700	200	1.5	2
57	047-SB707021D	700	700	210	1.5	2
58	047-SB707025D	700	700	250	1.5	2
59	047-SB707030D	700	700	300	1.5	2
60	047-SB806015D	800	600	150	1.5	2
61	047-SB806020D	800	600	200	1.5	2
62	047-SB806021D	800	600	210	1.5	2
63	047-SB806025D	800	600	250	1.5	2
64	047-SB806030D	800	600	300	1.5	2
65	047-SB808015D	800	800	150	1.5	2
66	047-SB808020D	800	800	200	1.5	2
67	047-SB808025D	800	800	250	1.5	2
68	047-SB808030D	800	800	300	1.5	2
69	047-SBX106015D	1000	600	150	1.5	2
70	047-SBX106020D	1000	600	200	1.5	2
71	047-SBX106025D	1000	600	250	1.5	2
72	047-SBX106030D	1000	600	300	1.5	2

\* See Figure 9A on next page

### \* Metal Enclosures Single Door

S#	Order Reference	H mm	W mm	D mm	Thickness	
					Encl (mm)	Mtg.Plt (mm)
73	047-SBX108015D	1000	800	150	1.5	2
74	047-SBX108020D	1000	800	200	1.5	2
75	047-SBX108025D	1000	800	250	1.5	2
76	047-SBX108030D	1000	800	300	1.5	2
77	047-SBX101025D	1000	1000	250	1.5	2
78	047-SBX101030D	1000	1000	300	1.5	2
79	047-SBX128015D	1200	800	150	1.5	2
80	047-SBX128020D	1200	800	200	1.5	2
81	047-SBX128025D	1200	800	250	1.5	2
82	047-SBX128030D	1200	800	300	1.5	2
83	047-SBX121025D	1200	1000	250	1.5	2
84	047-SBX121030D	1200	1000	300	1.5	2
85	047-SBX146015D	1400	600	150	1.5	2
86	047-SBX146020D	1400	600	200	1.5	2
87	047-SBX146025D	1400	600	250	1.5	2
88	047-SBX146030D	1400	600	300	1.5	2
89	047-SBX146035D	1400	600	350	1.5	2
90	047-SBX146040D	1400	600	400	1.5	2
91	047-SBX148015D	1400	800	150	1.5	2
92	047-SBX148020D	1400	800	200	1.5	2
93	047-SBX148025D	1400	800	250	1.5	2
94	047-SBX148030D	1400	800	300	1.5	2
95	047-SBX148035D	1400	800	350	1.5	2
96	047-SBX148040D	1400	800	400	1.5	2
97	047-SBX141030D	1400	1000	300	1.5	2
98	047-SBX166015D	1600	600	150	1.5	2
99	047-SBX166020D	1600	600	200	1.5	2
100	047-SBX166025D	1600	600	250	1.5	2
101	047-SBX166030D	1600	600	300	1.5	2
102	047-SBX166035D	1600	600	350	1.5	2
103	047-SBX166040D	1600	600	400	1.5	2
104	047-SBX168015D	1600	800	150	1.5	2
105	047-SBX168020D	1600	800	200	1.5	2
106	047-SBX168025D	1600	800	250	1.5	2
107	047-SBX168030D	1600	800	300	1.5	2
108	047-SBX168035D	1600	800	350	1.5	2
109	047-SBX168040D	1600	800	400	1.5	2
110	047-SBX161030D	1600	1000	300	1.5	2
111	047-SBX186015D	1800	600	150	1.5	2
112	047-SBX186020D	1800	600	200	1.5	2
113	047-SBX186025D	1800	600	250	1.5	2
114	047-SBX186030D	1800	600	300	1.5	2
115	047-SBX186035D	1800	600	350	1.5	2
116	047-SBX186040D	1800	600	400	1.5	2
117	047-SBX188015D	1800	800	150	1.5	2
118	047-SBX188020D	1800	800	200	1.5	2
119	047-SBX188025D	1800	800	250	1.5	2
120	047-SBX188030D	1800	800	300	1.5	2
121	047-SBX188035D	1800	800	350	1.5	2
122	047-SBX188040D	1800	800	400	1.5	2
123	047-SBX181040D	1800	1000	400	1.5	2
124	047-SBX208040D	2000	800	400	1.5	2



SINGLE DOOR

SECTION - X X

\* See Figure 9A

Figure - 9A

# METAL ENCLOSURES IP66

## Product Range

### \* Metal Enclosures Double Door

S#	Order Reference	H mm	W mm	D mm	Thickness		S#	Order Reference	H mm	W mm	D mm	Thickness	
					Encl (mm)	Mtg.Plt (mm)						Encl (mm)	Mtg.Plt (mm)
125	047-SBY101030D	1000	1000	300	1.5	2	143	047-SBY161030D	1600	1000	300	1.5	2
126	047-SBY121025D	1200	1000	250	1.5	2	144	047-SBY161035D	1600	1000	350	1.5	2
127	047-SBY121030D	1200	1000	300	1.5	2	145	047-SBY161040D	1600	1000	400	1.5	2
128	047-SBY121035D	1200	1000	350	1.5	2	146	047-SBY161225D	1600	1200	250	1.5	2
129	047-SBY121040D	1200	1000	400	1.5	2	147	047-SBY161230D	1600	1200	300	1.5	2
130	047-SBY121225D	1200	1200	250	1.5	2	148	047-SBY161235D	1600	1200	350	1.5	2
131	047-SBY121230D	1200	1200	300	1.5	2	149	047-SBY161240D	1600	1200	400	1.5	2
132	047-SBY121235D	1200	1200	350	1.5	2	150	047-SBY181025D	1800	1000	250	1.5	2
133	047-SBY121240D	1200	1200	400	1.5	2	151	047-SBY181030D	1800	1000	300	1.5	2
134	047-SBY141025D	1400	1000	250	1.5	2	152	047-SBY181035D	1800	1000	350	1.5	2
135	047-SBY141030D	1400	1000	300	1.5	2	153	047-SBY181040D	1800	1000	400	1.5	2
136	047-SBY141035D	1400	1000	350	1.5	2	154	047-SBY181225D	1800	1200	250	1.5	2
137	047-SBY141040D	1400	1000	400	1.5	2	155	047-SBY181230D	1800	1200	300	1.5	2
138	047-SBY141225D	1400	1200	250	1.5	2	156	047-SBY181235D	1800	1200	350	1.5	2
139	047-SBY141230D	1400	1200	300	1.5	2	157	047-SBY181240D	1800	1200	400	1.5	2
140	047-SBY141235D	1400	1200	350	1.5	2	158	047-SBY201040D	2000	1000	400	1.5	2
141	047-SBY141240D	1400	1200	400	1.5	2	159	047-SBY201240D	2000	1200	400	1.5	2
142	047-SBY161025D	1600	1000	250	1.5	2	* IP55 / IP54						* See Figure 9B

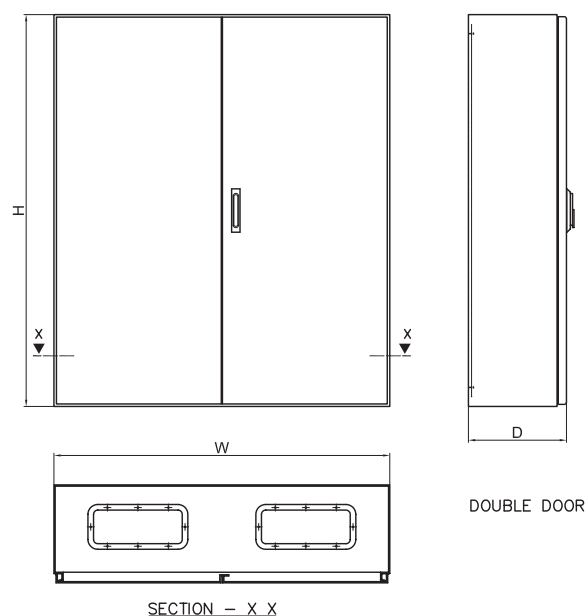


Figure - 9B



## Stainless Steel Enclosures

- Stainless steel enclosure for IP66/NEMA-4X
- Made of stainless steel up to 2mm thickness, 316L grade or equivalent with 2B finish
- Especially made for use in highly-corrosive environment, such as chemical or food industries and places where hygiene is necessary
- Highly polished SS
- Stainless steel enclosures available in all sizes on request



Figure - 10

## Metering Enclosures – Single Door

- Made of EG steel of 1.5 mm thickness, powder coated in RAL 7032 colour
- Mounting plate made of GI steel sheet (2mm thickness), powder coated in RAL-2000 orange colour
- Meter viewing Perspex 150X150mm (5mm thickness)
- Perspex protection cover with hinges 200X200mm
- Pad locking arrangement
- Gland box attached to the bottom

S#	Order Reference	Enclosure size			Gland Box		
		H mm	W mm	D mm	H mm	W mm	D mm
01	047-MSBGO806020PL_H	800	600	200	250	600	200
02	047-MSBGO108025PL_H	1000	800	250	300	800	250



Figure - 11

# METAL ENCLOSURES IP66

## Transparent Door

- Door frame made of EG steel powder coated in RAL-7032 light grey colour
- UV resistant, flame retardant polycarbonate transparent door pane
- Transparent door pane suitable for outdoor applications



Figure - 12

### Metal Enclosures Transparent Door

S#	Order Reference	H mm	W mm	D mm	Thickness	
					Encl (mm)	Mtg.Plt (mm)
1	047-SBT202015	200	200	150	1.2	2
2	047-SBT252015	250	200	150	1.2	2
3	047-SBT252515	250	250	150	1.2	2
4	047-SBT302015	300	200	150	1.2	2
5	047-SBT302515	300	250	150	1.2	2
6	047-SBT302520	300	250	200	1.2	2
7	047-SBT303015	300	300	150	1.2	2
8	047-SBT303020	300	300	200	1.2	2
9	047-SBT403015	400	300	150	1.2	2
10	047-SBT403020	400	300	200	1.2	2
11	047-SBT404015	400	400	150	1.2	2
12	047-SBT404020	400	400	200	1.2	2
13	047-SBT404021	400	400	210	1.2	2
14	047-SBT404025	400	400	250	1.5	2
15	047-SBT406015	400	600	150	1.2	2
16	047-SBT406020	400	600	200	1.2	2
17	047-SBT406021	400	600	210	1.2	2
18	047-SBT406025	400	600	250	1.5	2
19	047-SBT406030	400	600	300	1.5	2
20	047-SBT504015	500	400	150	1.2	2
21	047-SBT504020	500	400	200	1.2	2
22	047-SBT504021	500	400	210	1.2	2
23	047-SBT504025	500	400	250	1.5	2
24	047-SBT504030	500	400	300	1.5	2
25	047-SBT505015	500	500	150	1.2	2
26	047-SBT505020	500	500	200	1.2	2
27	047-SBT505021	500	500	210	1.2	2
28	047-SBT505025	500	500	250	1.5	2
29	047-SBT505030	500	500	300	1.5	2
30	047-SBT604015	600	400	150	1.2	2
31	047-SBT604020	600	400	200	1.2	2
32	047-SBT604021	600	400	210	1.2	2
33	047-SBT604025	600	400	250	1.5	2
34	047-SBT604030	600	400	300	1.5	2
35	047-SBT605015	600	500	150	1.2	2
36	047-SBT605020	600	500	200	1.2	2
37	047-SBT605021	600	500	210	1.2	2
38	047-SBT605025	600	500	250	1.5	2
39	047-SBT605030	600	500	300	1.5	2
40	047-SBT606015	600	600	150	1.2	2
41	047-SBT606020	600	600	200	1.2	2
42	047-SBT606021	600	600	210	1.2	2
43	047-SBT606025	600	600	250	1.5	2
44	047-SBT606030	600	600	300	1.5	2
45	047-SBT705015	700	500	150	1.2	2
46	047-SBT705020	700	500	200	1.2	2
47	047-SBT705021	700	500	210	1.2	2
48	047-SBT705025	700	500	250	1.5	2

## Metal Enclosures Transparent Door

S#	Order Reference	H mm	W mm	D mm	Thickness	
					Encl (mm)	Mtg.Plit (mm)
49	047-SBT705030	700	500	300	1.5	2
50	047-SBT706015	700	600	150	1.5	2
51	047-SBT706020	700	600	200	1.5	2
52	047-SBT706021	700	600	210	1.5	2
53	047-SBT706025	700	600	250	1.5	2
54	047-SBT706030	700	600	300	1.5	2
55	047-SBT707015	700	700	150	1.5	2
56	047-SBT707020	700	700	200	1.5	2
57	047-SBT707021	700	700	210	1.5	2
58	047-SBT707025	700	700	250	1.5	2
59	047-SBT707030	700	700	300	1.5	2
60	047-SBT806015	800	600	150	1.5	2
61	047-SBT806020	800	600	200	1.5	2
62	047-SBT806021	800	600	210	1.5	2
63	047-SBT806025	800	600	250	1.5	2
64	047-SBT806030	800	600	300	1.5	2
65	047-SBT808015	800	800	150	1.5	2
66	047-SBT808020	800	800	200	1.5	2
67	047-SBT808025	800	800	250	1.5	2
68	047-SBT808030	800	800	300	1.5	2
69	047-SBXT106015	1000	600	150	1.5	2
70	047-SBXT106020	1000	600	200	1.5	2
71	047-SBXT106025	1000	600	250	1.5	2
72	047-SBXT106030	1000	600	300	1.5	2
73	047-SBXT108015	1000	800	150	1.5	2
74	047-SBXT108020	1000	800	200	1.5	2
75	047-SBXT108025	1000	800	250	1.5	2
76	047-SBXT108030	1000	800	300	1.5	2
77	047-SBXT128015	1200	800	150	1.5	2
78	047-SBXT128020	1200	800	200	1.5	2
79	047-SBXT128025	1200	800	250	1.5	2
80	047-SBXT128030	1200	800	300	1.5	2
81	047-SBXT146015	1400	600	150	1.5	2
82	047-SBXT146020	1400	600	200	1.5	2

S#	Order Reference	H mm	W mm	D mm	Thickness	
					Encl (mm)	Mtg.Plit (mm)
83	047-SBXT146025	1400	600	250	1.5	2
84	047-SBXT146030	1400	600	300	1.5	2
85	047-SBXT146035	1400	600	350	1.5	2
86	047-SBXT146040	1400	600	400	1.5	2
87	047-SBXT148015	1400	800	150	1.5	2
88	047-SBXT148020	1400	800	200	1.5	2
89	047-SBXT148025	1400	800	250	1.5	2
90	047-SBXT148030	1400	800	300	1.5	2
91	047-SBXT148035	1400	800	350	1.5	2
92	047-SBXT148040	1400	800	400	1.5	2
93	047-SBXT166015	1600	600	150	1.5	2
94	047-SBXT166020	1600	600	200	1.5	2
95	047-SBXT166025	1600	600	250	1.5	2
96	047-SBXT166030	1600	600	300	1.5	2
97	047-SBXT166035	1600	600	350	1.5	2
98	047-SBXT166040	1600	600	400	1.5	2
99	047-SBXT168015	1600	800	150	1.5	2
100	047-SBXT168020	1600	800	200	1.5	2
101	047-SBXT168025	1600	800	250	1.5	2
102	047-SBXT168030	1600	800	300	1.5	2
103	047-SBXT168035	1600	800	350	1.5	2
104	047-SBXT168040	1600	800	400	1.5	2
105	047-SBXT186015	1800	600	150	1.5	2
106	047-SBXT186020	1800	600	200	1.5	2
107	047-SBXT186025	1800	600	250	1.5	2
108	047-SBXT186030	1800	600	300	1.5	2
109	047-SBXT186035	1800	600	350	1.5	2
110	047-SBXT186040	1800	600	400	1.5	2
111	047-SBXT188015	1800	800	150	1.5	2
112	047-SBXT188020	1800	800	200	1.5	2
113	047-SBXT188025	1800	800	250	1.5	2
114	047-SBXT188030	1800	800	300	1.5	2
115	047-SBXT188035	1800	800	350	1.5	2
116	047-SBXT188040	1800	800	400	1.5	2

# METAL ENCLOSURES IP66

Mounting Plates									
S#	Enclosure Size		STD (GI)	Options			Mtg Plate Size		Thickness
	H mm	W mm		Perforated (Zinc-plated)	Std Orange (Ral-2000)	Perforated Orange (Ral-2000)	A mm	B mm	
1	200	200	047-MP2020	047-MPF2020	047-MPO2020	047-MPOF2020	154	140	2
2	250	200	047-MP2520	047-MPF2520	047-MPO2520	047-MPOF2520	190	140	2
3	250	250	047-MP2525	047-MPF2525	047-MPO2525	047-MPOF2525	204	200	2
4	300	200	047-MP3020	047-MPF3020	047-MPO3020	047-MPOF3020	240	140	2
5	300	250	047-MP3025	047-MPF3025	047-MPO3025	047-MPOF3025	250	200	2
6	300	300	047-MP3030	047-MPF3030	047-MPO3030	047-MPOF3030	254	250	2
7	400	300	047-MP4030	047-MPF4030	047-MPO4030	047-MPOF4030	350	250	2
8	400	400	047-MP4040	047-MPF4040	047-MPO4040	047-MPOF4040	354	350	2
9	400	600	047-MP4060	047-MPF4060	047-MPO4060	047-MPOF4060	350	550	2
10	500	400	047-MP5040	047-MPF5040	047-MPO5040	047-MPOF5040	450	350	2
11	500	500	047-MP5050	047-MPF5050	047-MPO5050	047-MPOF5050	454	450	2
12	600	400	047-MP6040	047-MPF6040	047-MPO6040	047-MPOF6040	550	350	2
13	600	500	047-MP6050	047-MPF6050	047-MPO6050	047-MPOF6050	550	450	2
14	600	600	047-MP6060	047-MPF6060	047-MPO6060	047-MPOF6060	554	550	2
15	700	500	047-MP7050	047-MPF7050	047-MPO7050	047-MPOF7050	650	450	2
16	700	600	047-MP7060	047-MPF7060	047-MPO7060	047-MPOF7060	650	550	2
17	700	700	047-MP7070	047-MPF7070	047-MPO7070	047-MPOF7070	650	650	2
18	800	600	047-MP8060	047-MPF8060	047-MPO8060	047-MPOF8060	750	550	2
19	800	800	047-MP8080	047-MPF8080	047-MPO8080	047-MPOF8080	750	750	2
20	1000	600	047-MPX1060	047-MPXF1060	047-MPXO1060	047-MPXOF1060	950	550	2
21	1000	800	047-MPX1080	047-MPXF1080	047-MPXO1080	047-MPXOF1080	950	750	2
22	1200	600	047-MPX1260	047-MPXF1260	047-MPXO1260	047-MPXOF1260	1150	550	2
23	1200	800	047-MPX1280	047-MPXF1280	047-MPXO1280	047-MPXOF1280	1150	750	2
24	1000	1000	047-MPX1010	047-MPXF1010	047-MPXO1010	047-MPXOF1010	880	928	2
25	1200	1000	047-MPX1210	047-MPXF1210	047-MPXO1210	047-MPXOF1210	1080	928	2
26	1200	1200	047-MPX1212	047-MPXF1212	047-MPXO1212	047-MPXOF1212	1080	1128	2
27	1400	600	047-MPX1460	047-MPXF1460	047-MPXO1460	047-MPXOF1460	1280	530	2
28	1400	800	047-MPX1480	047-MPXF1480	047-MPXO1480	047-MPXOF1480	1280	728	2
29	1400	1000	047-MPX1410	047-MPXF1410	047-MPXO1410	047-MPXOF1410	1280	928	2
30	1400	1200	047-MPX1412	047-MPXF1412	047-MPXO1412	047-MPXOF1412	1280	1128	2
31	1600	600	047-MPX1660	047-MPXF1660	047-MPXO1660	047-MPXOF1660	1480	530	2
32	1600	800	047-MPX1680	047-MPXF1680	047-MPXO1680	047-MPXOF1680	1480	728	2
33	1600	1000	047-MPX1610	047-MPXF1610	047-MPXO1610	047-MPXOF1610	1480	928	2
34	1600	1200	047-MPX1612	047-MPXF1612	047-MPXO1612	047-MPXOF1612	1480	1128	2
35	1800	600	047-MPX1860	047-MPXF1860	047-MPXO1860	047-MPXOF1860	1680	530	2
36	1800	800	047-MPX1880	047-MPXF1880	047-MPXO1880	047-MPXOF1880	1680	728	2
37	1800	1000	047-MPX1810	047-MPXF1810	047-MPXO1810	047-MPXOF1810	1680	928	2
38	1800	1200	047-MPX1812	047-MPXF1812	047-MPXO1812	047-MPXOF1812	1680	1128	2
39	2000	600	047-MPX2060	047-MPXF2060	047-MPXO2060	047-MPXOF2060	1880	530	2
40	2000	800	047-MPX2080	047-MPXF2080	047-MPXO2080	047-MPXOF2080	1880	728	2
41	2000	1000	047-MPX2010	047-MPXF2010	047-MPXO2010	047-MPXOF2010	1880	928	2
42	2000	1200	047-MPX2012	047-MPXF2012	047-MPXO2012	047-MPXOF2012	1880	1128	2

## MOUNTING PLATES:

Suitable for several applications, they are of three types:

1. Standard mounting plate made of GI steel sheet (2mm thickness) with holes for fixing earth strip
2. Perforated mounting plate made of zinc-plated steel sheet (2mm thickness) with ample number of perforations (9x9 square slots) for mounting any type of equipment with ease
3. Perforated mounting plate made of EG steel sheet (2mm thickness), powder coated in RAL-2000 orange colour, with ample number of perforations (9x9 square slots) for mounting any type of equipment with ease

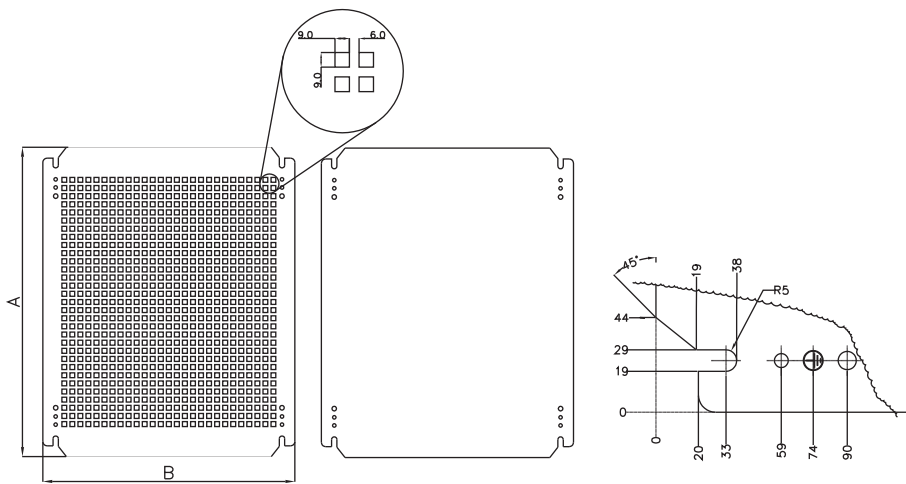


Figure - 13



Figure - 14

# METAL ENCLOSURES IP66

## Options

- Enclosure with canopy
- 50mm plinth for free standing enclosures
- Enclosures of special sizes

*Above options available on request*

## WALL MOUNTING BRACKET

- Additional fixing option for mounting Metal Enclosures IP65 for easy installation at site

S#	Order Reference
1	047-WMB



Figure - 15

## Accessories

### 1- INTERNAL DOOR:

- Supplied with a special mounting bracket for ease in mounting
- Made of EG steel powder coated in RAL-7032 light grey colour

Product Range - Internal Door					
S#	Order Reference	H mm	W mm	Frame mm	Door (mm)
1	047-ID4040	400	400	1.5	1.2
2	047-ID5040	500	400	1.5	1.2
3	047-ID6040	600	400	1.5	1.2
4	047-ID6050	600	500	1.5	1.2
5	047-ID6060	600	600	1.5	1.2
6	047-ID7050	700	500	1.5	1.2
7	047-ID8060	800	600	1.5	1.2
8	047-ID8080	800	800	1.5	1.2
9	047-IDX1060	1000	600	1.5	1.2
10	047-IDX1080	1000	800	1.5	1.2



Figure - 16



Figure - 17



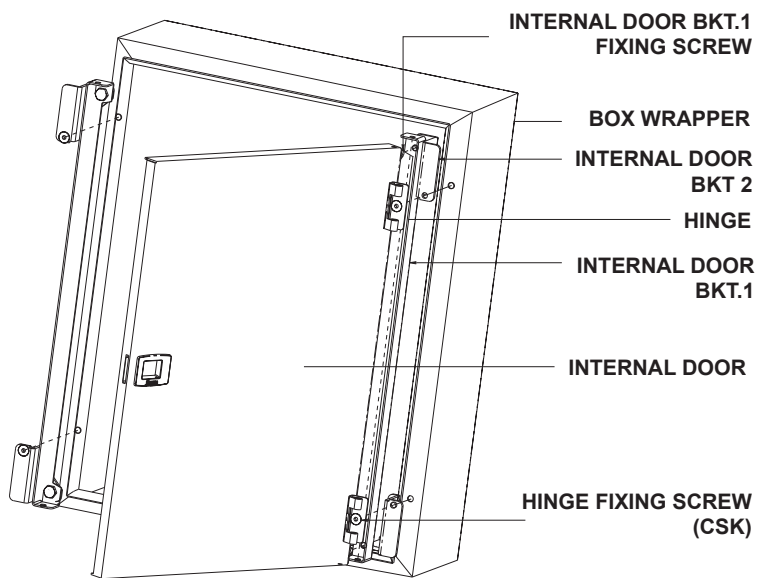


Figure - 18

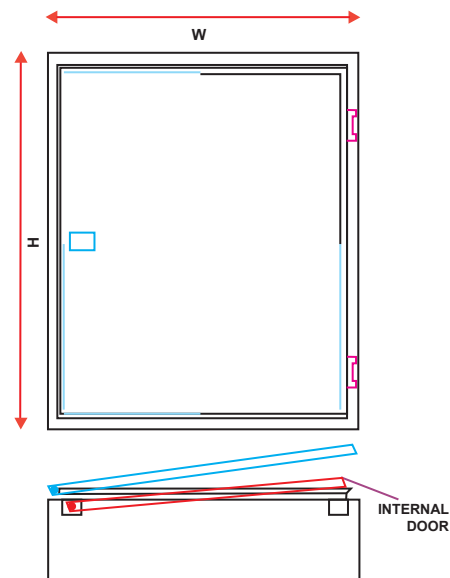


Figure - 19

#### 2-DEPTH ADJUSTABLE MOUNTING BRACKET:

- Suitable for enclosures of 200, 250 and 300mm depth\* for mounting plate adjustments up to 1200mm height
- Can be easily fixed on the back plate stud and hinge screws

\* For enclosures of higher depths, the bracket is supplied as a standard item (welded design)

S#	Box Depth (mm)	Order Reference
1	200	047-MPDB200
2	250	047-MPDB250
3	300	047-MPDB300



Figure - 20

# METAL ENCLOSURES IP66

## 3-DIN RAIL FRAME:

- Ready-to-fit frame used in standard enclosures for easy and time saving installation of din rail mounted electrical distribution components

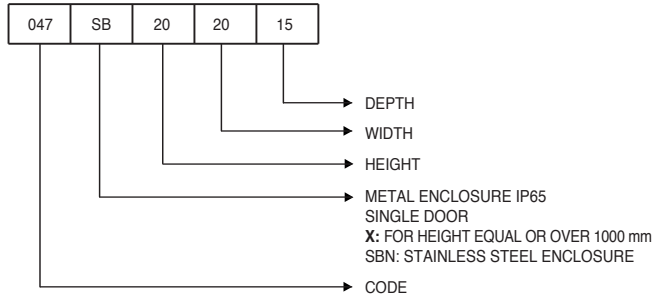
S#	Order Reference	Description	Recommended Box Size (H x W x D)
1	047-RA0112	RAIL ASSEMBLY 1ROW 12 MODULE	400 X 400 X 200
2	047-RA0212	RAIL ASSEMBLY 2ROW 12 MODULE	500 X 400 X 200
3	047-RA0312	RAIL ASSEMBLY 3ROW 12 MODULE	700 X 400 X 200
4	047-RA0412	RAIL ASSEMBLY 4ROW 12 MODULE	800 X 400 X 200
5	047-RA0512	RAIL ASSEMBLY 5ROW 12 MODULE	1000 X 400 X 200
6	047-RA0612	RAIL ASSEMBLY 6ROW 12 MODULE	1200 X 400 X 200
1	047-RA0116	RAIL ASSEMBLY 1ROW 16 MODULE	400 X 500 X 200
2	047-RA0216	RAIL ASSEMBLY 2ROW 16 MODULE	500 X 500 X 200
3	047-RA0316	RAIL ASSEMBLY 3ROW 16 MODULE	700 X 500 X 200
4	047-RA0416	RAIL ASSEMBLY 4ROW 16 MODULE	800 X 500 X 200
5	047-RA0516	RAIL ASSEMBLY 5ROW 16 MODULE	1000 X 500 X 200
6	047-RA0616	RAIL ASSEMBLY 6ROW 16 MODULE	1200 X 500 X 200
1	047-RA0124	RAIL ASSEMBLY 1ROW 24 MODULE	400 X 600 X 200
2	047-RA0224	RAIL ASSEMBLY 2ROW 24 MODULE	500 X 600 X 200
3	047-RA0324	RAIL ASSEMBLY 3ROW 24 MODULE	700 X 600 X 200
4	047-RA0424	RAIL ASSEMBLY 4ROW 24 MODULE	800 X 600 X 200
5	047-RA0524	RAIL ASSEMBLY 5ROW 24 MODULE	1000 X 600 X 200
6	047-RA0624	RAIL ASSEMBLY 6ROW 24 MODULE	1200 X 600 X 200

## GLAND BOX:

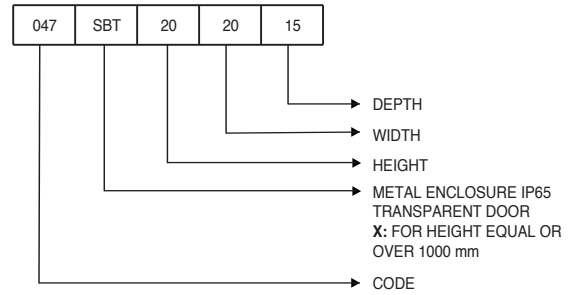
Order Reference	Dimension (h x w x d)
047-GB204020	200 X 400 X 200
047-GB205020	200 X 500 X 200
047-GB256020	250 X 600 X 200
047-GB206020	200 X 600 X 200
047-GB308025	300 X 800 X 250
047-GB208025	200 X 800 X 250
047-GB208020	200 X 800 X 200
047-GB308020	300 X 800 X 200
047-GB258020	250 X 800 X 200

## Coding Key

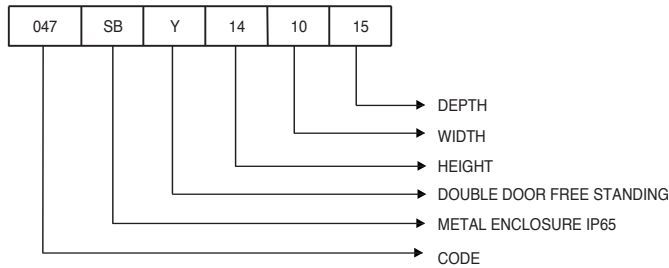
### CODE DETAIL FOR METAL ENCLOSURES IP66 SINGLE DOOR



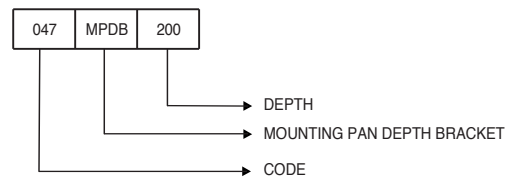
### CODE DETAIL FOR METAL ENCLOSURE IP65 TRANSPARENT DOOR



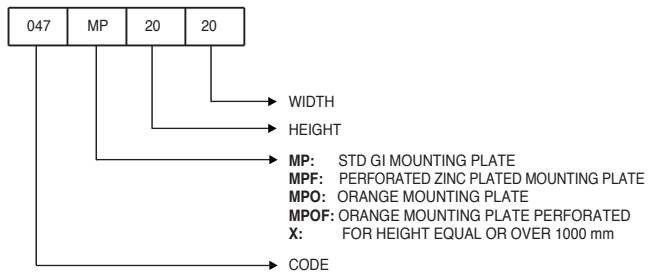
### CODE DETAIL FOR METAL ENCLOSURES IP55/54 DOUBLE DOOR



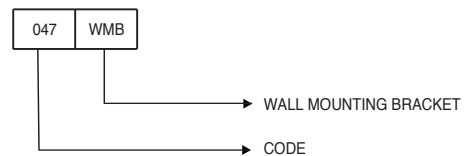
### CODE DETAIL FOR DEPTH ADJUSTABLE MOUNTING BRACKET



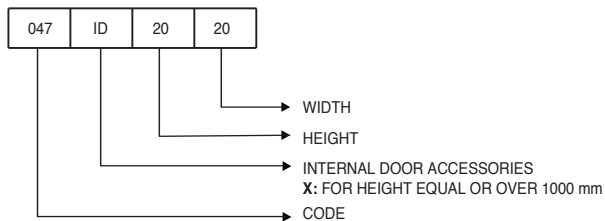
### CODE DETAIL FOR MOUNTING PLATE



### CODE DETAIL FOR WALL MOUNTING BRACKET



### CODE DETAIL FOR INTERNAL DOOR ACCESSORIES



# CERTIFICATIONS



# APPROVALS



## alfamar Products Are Approved By:

- SEC  
Saudi Electric Company
- SAUDI ARAMCO  
Saudi Arabian Oil Company
- SABIC  
Saudi Basic Industries Corporation
- Royal Commission for Jubail and Yanbu
- SASO  
Saudi Arabian Standards Organization
- Several Ministries, Universities And Governmental Organizations In Saudi Arabia
- Abu Dhabi Water And Electricity Board
- Ministry Of Electricity, Bahrain
- State Electricity Board Of Qatar
- Public Electricity Corporation, Ministry Of Electricity, Yemen

## NOTES





Handwriting practice lines consisting of 25 horizontal dashed lines.



## QUALITY POLICY

The Quality Policy of **alfanar** is to:

- Provide products conforming to governing standards and of consistent quality
- Excel in all our operations to achieve customer's satisfaction for products and services through continual improvement
- Develop and maintain a motivated team of competent employees and vendors
- Redefine and execute new processes and systems that meet the changing market requirements.

## OUR OBJECTIVE

We reach exacting standards in the safety and distribution of power and go well beyond a customer's expectations. This is done by focusing our technology and expertise on the ultimate reward we can get, complete satisfaction of our customers.

## alfanar PRODUCTS

- Oil-Immersed Distribution Transformers
- Switches and Socket Boxes
- Junction Boxes
- Metal Enclosures IP65
- Stainless Steel Enclosures NEMA-4X
- Telephone Enclosures
- Circuit Breaker Enclosures – NEMA 1 & NEMA 3R Types with Multiple Outlets
- Modular Enclosures
- Load Centres
  - NEMA Type LA Load Centres
  - IEC Type LD Load Centres
  - Split Busbar Unit Type LAS/LDS Load Centres
- MCCB Distribution Boards
- Pump Control Panels
- Motor Control Centres
- LV Switchboards up to 6300A, Tested for 100KA, 1 Sec Short Circuit Withstand
- Package Substations
- Control and Automation Panels
- Relay and Control Panels
- Medium Voltage Switchgears
- Pole Mounted Metering Structures
- AC/DC Panels up to 5000A, Tested for 85kA, 1 Sec Short Circuit Withstand
- Extendable and Non-Extendable Ring Main Units





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