

METAL ENCLOSURES IP65



سنة ضمان
5 Year Warranty



CE



ISO 9001:2008
Certificate No. 34039



PARTNERSHIP

SAFETY

DURABILITY

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METAL ENCLOSURES IP65

Applications

Metal Enclosures (IP65) 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 IP65.



Figure - 1



Figure - 2

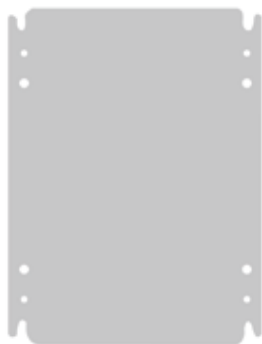


Figure - 3



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 IP65/NEMA 4X

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 IP65

Product range

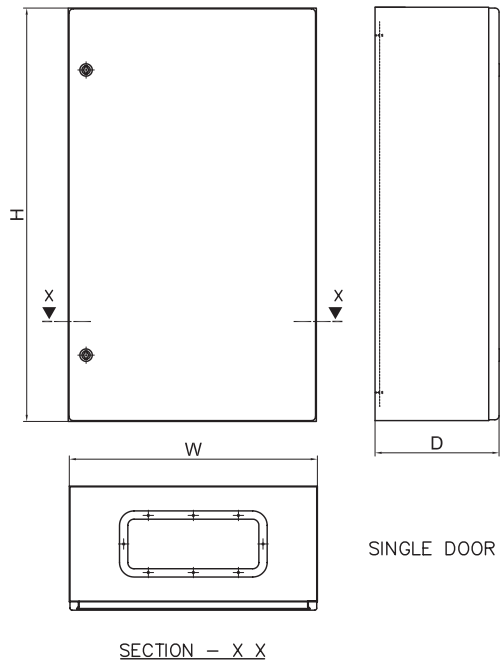
* Metal Enclosures Single Door

S#	Order Reference	H mm	W mm	D mm	Thickness		S#	Order Reference	H mm	W mm	D mm	Thickness	
					Encl (mm)	Mtg.Pl't (mm)						Encl (mm)	Mtg.Pl't (mm)
1	047-SB202015	200	200	150	1.2	2	37	047-SB605021	600	500	210	1.2	2
2	047-SB252015	250	200	150	1.2	2	38	047-SB605025	600	500	250	1.5	2
3	047-SB252515	250	250	150	1.2	2	39	047-SB605030	600	500	300	1.5	2
4	047-SB302015	300	200	150	1.2	2	40	047-SB606015	600	600	150	1.2	2
5	047-SB302515	300	250	150	1.2	2	41	047-SB606020	600	600	200	1.2	2
6	047-SB302520	300	250	200	1.2	2	42	047-SB606021	600	600	210	1.2	2
7	047-SB303015	300	300	150	1.2	2	43	047-SB606025	600	600	250	1.5	2
8	047-SB303020	300	300	200	1.2	2	44	047-SB606030	600	600	300	1.5	2
9	047-SB403015	400	300	150	1.2	2	45	047-SB705015	700	500	150	1.2	2
10	047-SB403020	400	300	200	1.2	2	46	047-SB705020	700	500	200	1.2	2
11	047-SB404015	400	400	150	1.2	2	47	047-SB705021	700	500	210	1.2	2
12	047-SB404020	400	400	200	1.2	2	48	047-SB705025	700	500	250	1.5	2
13	047-SB404021	400	400	210	1.2	2	49	047-SB705030	700	500	300	1.5	2
14	047-SB404025	400	400	250	1.5	2	50	047-SB706015	700	600	150	1.5	2
15	047-SB406015	400	600	150	1.2	2	51	047-SB706020	700	600	200	1.5	2
16	047-SB406020	400	600	200	1.2	2	52	047-SB706021	700	600	210	1.5	2
17	047-SB406021	400	600	210	1.2	2	53	047-SB706025	700	600	250	1.5	2
18	047-SB406025	400	600	250	1.5	2	54	047-SB706030	700	600	300	1.5	2
19	047-SB406030	400	600	300	1.5	2	55	047-SB707015	700	700	150	1.5	2
20	047-SB504015	500	400	150	1.2	2	56	047-SB707020	700	700	200	1.5	2
21	047-SB504020	500	400	200	1.2	2	57	047-SB707021	700	700	210	1.5	2
22	047-SB504021	500	400	210	1.2	2	58	047-SB707025	700	700	250	1.5	2
23	047-SB504025	500	400	250	1.5	2	59	047-SB707030	700	700	300	1.5	2
24	047-SB504030	500	400	300	1.5	2	60	047-SB806015	800	600	150	1.5	2
25	047-SB505015	500	500	150	1.2	2	61	047-SB806020	800	600	200	1.5	2
26	047-SB505020	500	500	200	1.2	2	62	047-SB806021	800	600	210	1.5	2
27	047-SB505021	500	500	210	1.2	2	63	047-SB806025	800	600	250	1.5	2
28	047-SB505025	500	500	250	1.5	2	64	047-SB806030	800	600	300	1.5	2
29	047-SB505030	500	500	300	1.5	2	65	047-SB808015	800	800	150	1.5	2
30	047-SB604015	600	400	150	1.2	2	66	047-SB808020	800	800	200	1.5	2
31	047-SB604020	600	400	200	1.2	2	67	047-SB808025	800	800	250	1.5	2
32	047-SB604021	600	400	210	1.2	2	68	047-SB808030	800	800	300	1.5	2
33	047-SB604025	600	400	250	1.5	2	69	047-SBX106015	1000	600	150	1.5	2
34	047-SB604030	600	400	300	1.5	2	70	047-SBX106020	1000	600	200	1.5	2
35	047-SB605015	600	500	150	1.2	2	71	047-SBX106025	1000	600	250	1.5	2
36	047-SB605020	600	500	200	1.2	2	72	047-SBX106030	1000	600	300	1.5	2

* See Figure 8A on next page

* Metal Enclosures Single 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)
73	047-SBX108015	1000	800	150	1.5	2	108	047-SBX168035	1600	800	350	1.5	2
74	047-SBX108020	1000	800	200	1.5	2	109	047-SBX168040	1600	800	400	1.5	2
75	047-SBX108025	1000	800	250	1.5	2	110	047-SBX161030	1600	1000	300	1.5	2
76	047-SBX108030	1000	800	300	1.5	2	111	047-SBX186015	1800	600	150	1.5	2
77	047-SBX101025	1000	1000	250	1.5	2	112	047-SBX186020	1800	600	200	1.5	2
78	047-SBX101030	1000	1000	300	1.5	2	113	047-SBX186025	1800	600	250	1.5	2
79	047-SBX128015	1200	800	150	1.5	2	114	047-SBX186030	1800	600	300	1.5	2
80	047-SBX128020	1200	800	200	1.5	2	115	047-SBX186035	1800	600	350	1.5	2
81	047-SBX128025	1200	800	250	1.5	2	116	047-SBX186040	1800	600	400	1.5	2
82	047-SBX128030	1200	800	300	1.5	2	117	047-SBX188015	1800	800	150	1.5	2
83	047-SBX121025	1200	1000	250	1.5	2	118	047-SBX188020	1800	800	200	1.5	2
84	047-SBX121030	1200	1000	300	1.5	2	119	047-SBX188025	1800	800	250	1.5	2
85	047-SBX146015	1400	600	150	1.5	2	120	047-SBX188030	1800	800	300	1.5	2
86	047-SBX146020	1400	600	200	1.5	2	121	047-SBX188035	1800	800	350	1.5	2
87	047-SBX146025	1400	600	250	1.5	2	122	047-SBX188040	1800	800	400	1.5	2
88	047-SBX146030	1400	600	300	1.5	2	123	047-SBX181040	1800	1000	400	1.5	2
89	047-SBX146035	1400	600	350	1.5	2	124	047-SBX208040	2000	800	400	1.5	2
90	047-SBX146040	1400	600	400	1.5	2							
91	047-SBX148015	1400	800	150	1.5	2							
92	047-SBX148020	1400	800	200	1.5	2							
93	047-SBX148025	1400	800	250	1.5	2							
94	047-SBX148030	1400	800	300	1.5	2							
95	047-SBX148035	1400	800	350	1.5	2							
96	047-SBX148040	1400	800	400	1.5	2							
97	047-SBX141030	1400	1000	300	1.5	2							
98	047-SBX166015	1600	600	150	1.5	2							
99	047-SBX166020	1600	600	200	1.5	2							
100	047-SBX166025	1600	600	250	1.5	2							
101	047-SBX166030	1600	600	300	1.5	2							
102	047-SBX166035	1600	600	350	1.5	2							
103	047-SBX166040	1600	600	400	1.5	2							
104	047-SBX168015	1600	800	150	1.5	2							
105	047-SBX168020	1600	800	200	1.5	2							
106	047-SBX168025	1600	800	250	1.5	2							
107	047-SBX168030	1600	800	300	1.5	2							



SINGLE DOOR

* See Figure 8A

Figure - 9A

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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-SBY101030	1000	1000	300	1.5	2	143	047-SBY161030	1600	1000	300	1.5	2
126	047-SBY121025	1200	1000	250	1.5	2	144	047-SBY161035	1600	1000	350	1.5	2
127	047-SBY121030	1200	1000	300	1.5	2	145	047-SBY161040	1600	1000	400	1.5	2
128	047-SBY121035	1200	1000	350	1.5	2	146	047-SBY161225	1600	1200	250	1.5	2
129	047-SBY121040	1200	1000	400	1.5	2	147	047-SBY161230	1600	1200	300	1.5	2
130	047-SBY121225	1200	1200	250	1.5	2	148	047-SBY161235	1600	1200	350	1.5	2
131	047-SBY121230	1200	1200	300	1.5	2	149	047-SBY161240	1600	1200	400	1.5	2
132	047-SBY121235	1200	1200	350	1.5	2	150	047-SBY181025	1800	1000	250	1.5	2
133	047-SBY121240	1200	1200	400	1.5	2	151	047-SBY181030	1800	1000	300	1.5	2
134	047-SBY141025	1400	1000	250	1.5	2	152	047-SBY181035	1800	1000	350	1.5	2
135	047-SBY141030	1400	1000	300	1.5	2	153	047-SBY181040	1800	1000	400	1.5	2
136	047-SBY141035	1400	1000	350	1.5	2	154	047-SBY181225	1800	1200	250	1.5	2
137	047-SBY141040	1400	1000	400	1.5	2	155	047-SBY181230	1800	1200	300	1.5	2
138	047-SBY141225	1400	1200	250	1.5	2	156	047-SBY181235	1800	1200	350	1.5	2
139	047-SBY141230	1400	1200	300	1.5	2	157	047-SBY181240	1800	1200	400	1.5	2
140	047-SBY141235	1400	1200	350	1.5	2	158	047-SBY201040	2000	1000	400	1.5	2
141	047-SBY141240	1400	1200	400	1.5	2	159	047-SBY201240	2000	1200	400	1.5	2
142	047-SBY161025	1600	1000	250	1.5	2							

* See Figure 8B

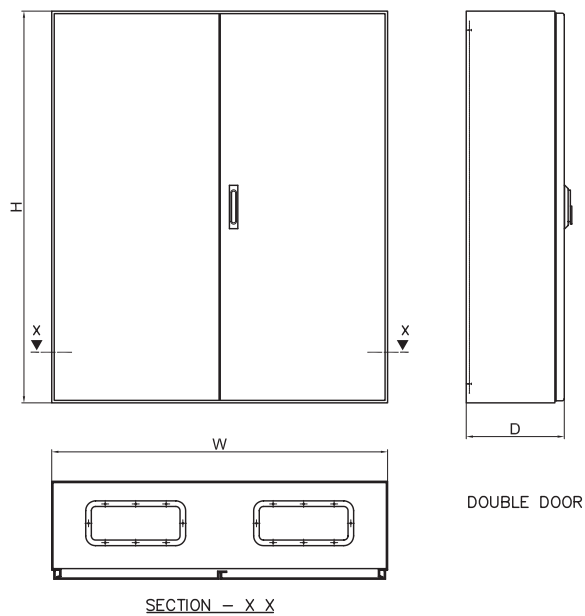


Figure - 9B

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



Figure - 11

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

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

Metal Enclosures Transparent Door

S#	Order Reference	H mm	W mm	D mm	Thickness		S#	Order Reference	H mm	W mm	D mm	Thickness	
					Encl (mm)	Mtg.Plit (mm)						Encl (mm)	Mtg.Plit (mm)
49	047-SBT705030	700	500	300	1.5	2	83	047-SBXT146025	1400	600	250	1.5	2
50	047-SBT706015	700	600	150	1.5	2	84	047-SBXT146030	1400	600	300	1.5	2
51	047-SBT706020	700	600	200	1.5	2	85	047-SBXT146035	1400	600	350	1.5	2
52	047-SBT706021	700	600	210	1.5	2	86	047-SBXT146040	1400	600	400	1.5	2
53	047-SBT706025	700	600	250	1.5	2	87	047-SBXT148015	1400	800	150	1.5	2
54	047-SBT706030	700	600	300	1.5	2	88	047-SBXT148020	1400	800	200	1.5	2
55	047-SBT707015	700	700	150	1.5	2	89	047-SBXT148025	1400	800	250	1.5	2
56	047-SBT707020	700	700	200	1.5	2	90	047-SBXT148030	1400	800	300	1.5	2
57	047-SBT707021	700	700	210	1.5	2	91	047-SBXT148035	1400	800	350	1.5	2
58	047-SBT707025	700	700	250	1.5	2	92	047-SBXT148040	1400	800	400	1.5	2
59	047-SBT707030	700	700	300	1.5	2	93	047-SBXT166015	1600	600	150	1.5	2
60	047-SBT806015	800	600	150	1.5	2	94	047-SBXT166020	1600	600	200	1.5	2
61	047-SBT806020	800	600	200	1.5	2	95	047-SBXT166025	1600	600	250	1.5	2
62	047-SBT806021	800	600	210	1.5	2	96	047-SBXT166030	1600	600	300	1.5	2
63	047-SBT806025	800	600	250	1.5	2	97	047-SBXT166035	1600	600	350	1.5	2
64	047-SBT806030	800	600	300	1.5	2	98	047-SBXT166040	1600	600	400	1.5	2
65	047-SBT808015	800	800	150	1.5	2	99	047-SBXT168015	1600	800	150	1.5	2
66	047-SBT808020	800	800	200	1.5	2	100	047-SBXT168020	1600	800	200	1.5	2
67	047-SBT808025	800	800	250	1.5	2	101	047-SBXT168025	1600	800	250	1.5	2
68	047-SBT808030	800	800	300	1.5	2	102	047-SBXT168030	1600	800	300	1.5	2
69	047-SBXT106015	1000	600	150	1.5	2	103	047-SBXT168035	1600	800	350	1.5	2
70	047-SBXT106020	1000	600	200	1.5	2	104	047-SBXT168040	1600	800	400	1.5	2
71	047-SBXT106025	1000	600	250	1.5	2	105	047-SBXT186015	1800	600	150	1.5	2
72	047-SBXT106030	1000	600	300	1.5	2	106	047-SBXT186020	1800	600	200	1.5	2
73	047-SBXT108015	1000	800	150	1.5	2	107	047-SBXT186025	1800	600	250	1.5	2
74	047-SBXT108020	1000	800	200	1.5	2	108	047-SBXT186030	1800	600	300	1.5	2
75	047-SBXT108025	1000	800	250	1.5	2	109	047-SBXT186035	1800	600	350	1.5	2
76	047-SBXT108030	1000	800	300	1.5	2	110	047-SBXT186040	1800	600	400	1.5	2
77	047-SBXT128015	1200	800	150	1.5	2	111	047-SBXT188015	1800	800	150	1.5	2
78	047-SBXT128020	1200	800	200	1.5	2	112	047-SBXT188020	1800	800	200	1.5	2
79	047-SBXT128025	1200	800	250	1.5	2	113	047-SBXT188025	1800	800	250	1.5	2
80	047-SBXT128030	1200	800	300	1.5	2	114	047-SBXT188030	1800	800	300	1.5	2
81	047-SBXT146015	1400	600	150	1.5	2	115	047-SBXT188035	1800	800	350	1.5	2
82	047-SBXT146020	1400	600	200	1.5	2	116	047-SBXT188040	1800	800	400	1.5	2

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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

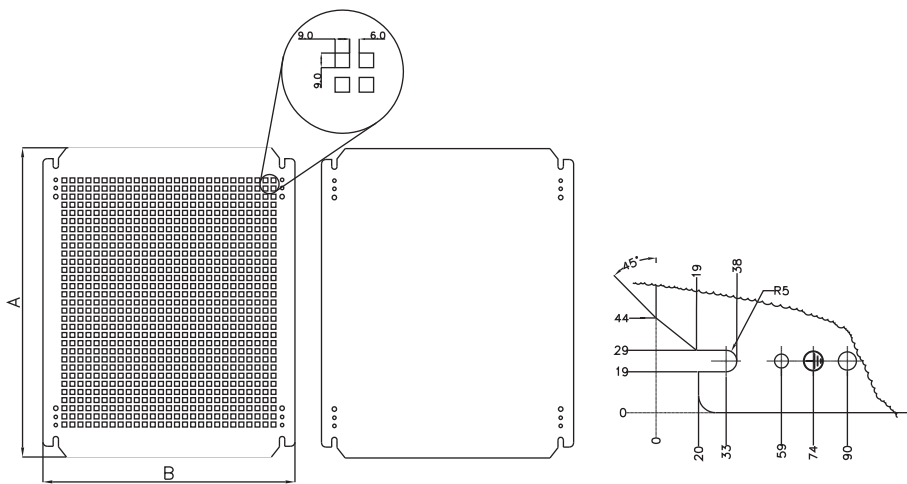


Figure - 13



Figure - 14

METAL ENCLOSURES IP65

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 <td 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

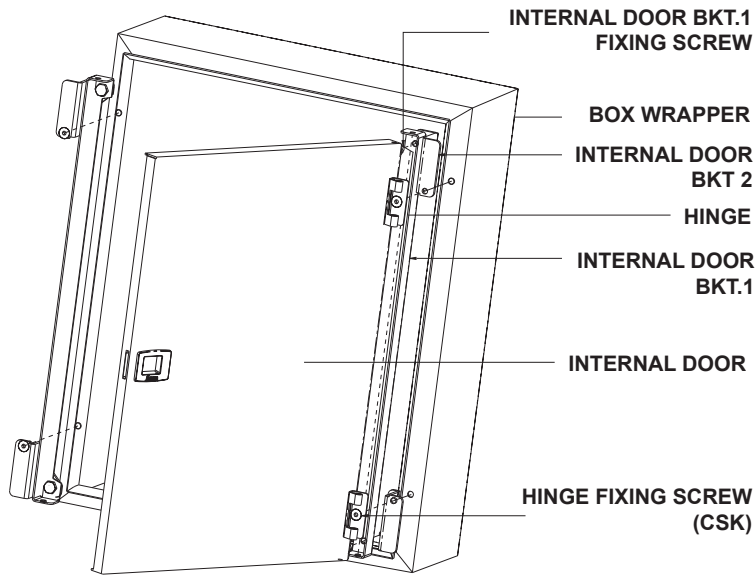


Figure - 18

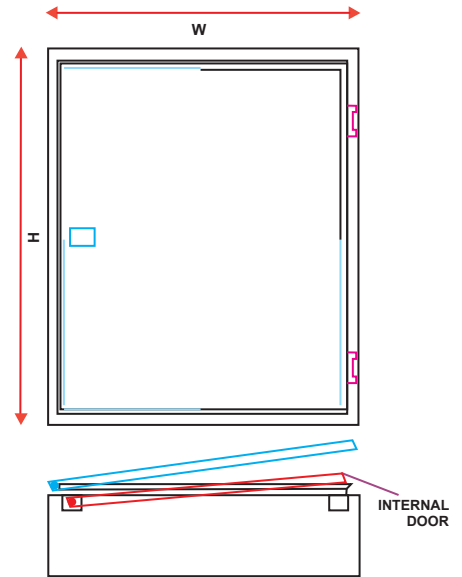


Figure - 19

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 IP65

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

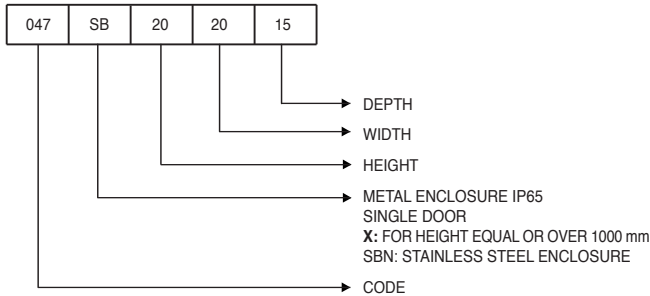
S#	Order Reference	Description	Recommended Box Size (H x W x D)
1	047-RA0112	RAIL ASSEMBLY 1ROW 12 MODULE	400 X 400 X 200
2	047-RA0212	RAIL ASSEMBLY 2ROW 12 MODULE	500 X 400 X 200
3	047-RA0312	RAIL ASSEMBLY 3ROW 12 MODULE	700 X 400 X 200
4	047-RA0412	RAIL ASSEMBLY 4ROW 12 MODULE	800 X 400 X 200
5	047-RA0512	RAIL ASSEMBLY 5ROW 12 MODULE	1000 X 400 X 200
6	047-RA0612	RAIL ASSEMBLY 6ROW 12 MODULE	1200 X 400 X 200
<hr/>			
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
<hr/>			
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:

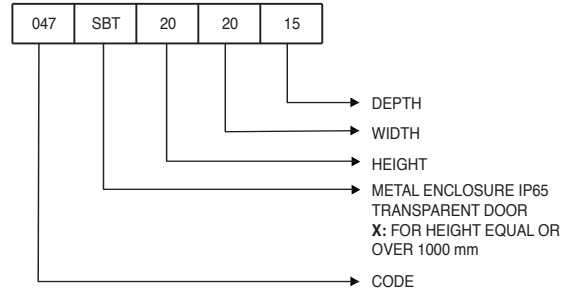
Order Reference	Dimension (h x w x d)
047-GB204020	200 X 400 X 200
047-GB205020	200 X 500 X 200
047-GB256020	250 X 600 X 200
047-GB206020	200 X 600 X 200
047-GB308025	300 X 800 X 250
047-GB208025	200 X 800 X 250
047-GB208020	200 X 800 X 200
047-GB308020	300 X 800 X 200
047-GB258020	250 X 800 X 200

Coding Key

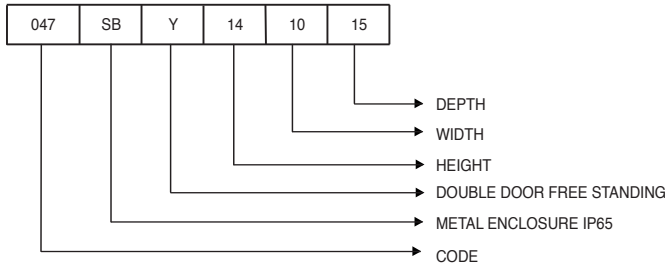
CODE DETAIL FOR METAL ENCLOSURES IP65 SINGLE DOOR



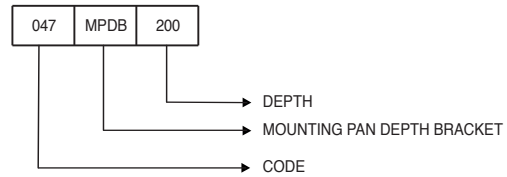
CODE DETAIL FOR METAL ENCLOSURE IP65 TRANSPARENT DOOR



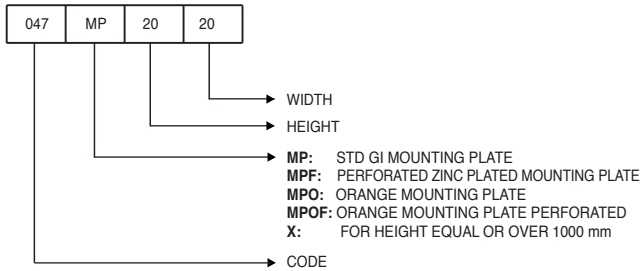
CODE DETAIL FOR METAL ENCLOSURES IP65 DOUBLE DOOR



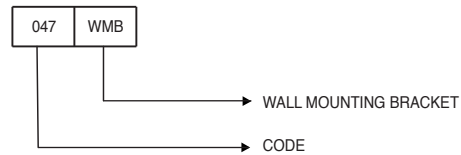
CODE DETAIL FOR DEPTH ADJUSTABLE MOUNTING BRACKET



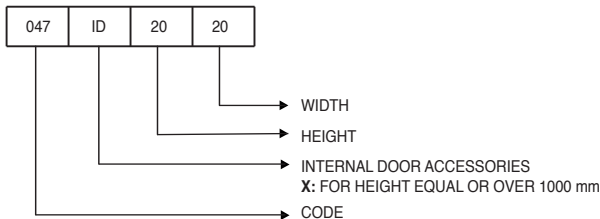
CODE DETAIL FOR MOUNTING PLATE



CODE DETAIL FOR WALL MOUNTING BRACKET



CODE DETAIL FOR INTERNAL DOOR ACCESSORIES



CERTIFICATIONS



alfanar 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



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

