

Sheet Metal Manufacturing

A one-stop solution provider for
different types of steel enclosures

Product Catalogue

SCIENTECHNIC ساینڈ ٹکنیک



CONTENTS TABLE

ABOUT US

Sciencetech – Sheet Metal Manufacturing Division is an indigenous manufacturer of sheet metal fabricated enclosures. Located in Ras-Al-Khor Industrial Area, Its factory serves requirements of both domestic and regional markets.

Sciencetech is a one-stop solution provider for different types of steel enclosures. It has the flexibility to produce standard or custom made products, in small or large quantities.

The factory has a huge storage facility for raw materials which enables Sciencetech to meet urgent customer requirements thus reducing lead time for production. All products are ISO 9001, ISO 14001 and OHSAS 18001 certified.





OUR GROUP

Easa Saleh Al Gurg Group LLC (ESAG), was founded in 1960, by H.E. Easa Saleh Al Gurg, KCVO, CBE. The Group is a multidivisional conglomerate with 28 companies.

ESAG has a range of diverse product and business interests that predominantly include retail, building and construction, industrial and joint ventures.

The Group has an active presence throughout UAE, Oman, Saudi Arabia and Iraq. It's reach stretches across Asia, Middle East, the African continent, parts of America, Australia and New Zealand.

PRODUCT RANGE



01

METAL ENCLOSURES

Service Enclosures are designed and manufactured to suit outdoor applications. IP66 Service Enclosures are used in electrical installations catering to both commercial and industrial applications



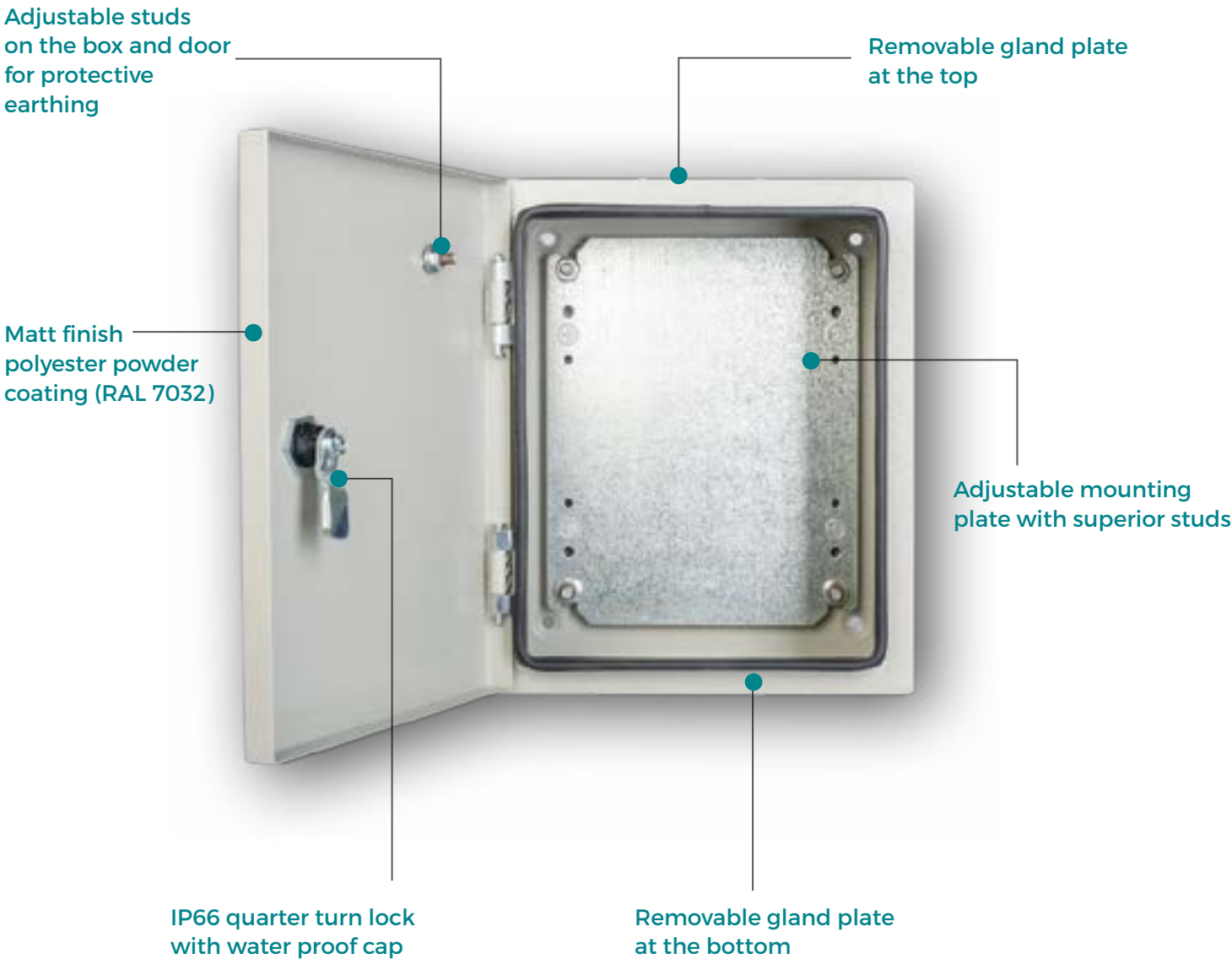
Service Enclosures IP66

Service Enclosures (IP66) are designed and manufactured to suit outdoor applications. Service Enclosures (IP66) are used in electrical installations catering to both commercial and industrial applications. These enclosures can accommodate switchgear and control gear assemblies.

Features

- Enclosures are manufactured using high quality electro-galvanized steel sheets with thickness of up to 1.5mm
- Powder coated in RAL 7032 Pebble Grey - matt finish
- Mounting Plate made of hot dip galvanized steel sheet of 2mm thickness
- Ingress Protection IP66
- Enclosures comply to IEC 60529/62208 standards
- Earthing studs provided on the enclosure and door
- Polyurethane (PU) gasketing for reliable sealing
- Enhanced waterproofing feature provided by specially designed door frame lip
- Removable hinges enabling left-side or right-side door opening
- Quarter turn cylindrical lock
- Metal keys and metal lock provided for improved durability

Control Panel and Wall Mounting Enclosures



PRODUCT RANGE

Comprehensive Enclosures Range



Control panels have industrial, commercial, residential and infrastructure related applications. Electrical circuit boards are mounted on mounting plates within the control panel and protected against dust and water by using gasketed doors thereby providing an ingress protection of IP66.

Control Panel enclosures can be manufactured in EG / GI Steel, Stainless Steel or Aluminum.



Wall Mounting IP66 Service Enclosures are designed and manufactured to suit indoor and outdoor applications. Service enclosures are used in electrical installations catering to both commercial and industrial applications.

Working in difficult environments without having the right protection can expose electrical installations to harsh conditions, chemical or aggressive substances. These enclosures are designed to accommodate switchgear and control gear assemblies. Wall Mounting enclosures can be manufactured in EG / GI Steel, Stainless Steel or Aluminum.



Metering Cabinets are designed to house KWH Meters supplied by respective utilities. Perspex protection cover for meter viewing purposes can be supplied as part of the enclosure depending on customer needs.

Metering Cabinets can be supplied pre-fitted with Cable Gland Box for improved cable management.

PRODUCT RANGE

Comprehensive Enclosures Range



Service Enclosures can be manufactured and supplied with transparent polycarbonate glass doors that help in viewing the functionality of Low Voltage Switchgear & Controlgear components.

Transparent door pane enclosures can be used in electrical installations in both indoor and outdoor applications.



Modular Enclosures (Din Rail Row Type DB) commonly used as a "Distribution Board" is suitable for mounting various types of Din Rail Row Type Low Voltage Switchgear Components.

Modular Enclosures distribute power in a safe and reliable manner.



Stainless Steel IP66 electrical cabinets are designed based on customer needs and can be manufactured in either SS 304L or SS 316L stainless steel and can be supplied in several types of finishes (2B Finish, Mirror Finish). Cabinets are made of Stainless Steel up to 2mm thickness depending on customer requirements.

Cut-outs can be provided based on customer drawings. Options such as sunshade (canopy), Gland Plates, Mounting Plates, Locks and Hinges in SS can be incorporated based on customer's requirements.

PRODUCT RANGE

Comprehensive Enclosures Range



Form II enclosures are used for applications relating to power distribution. These enclosures are well suited for heavy duty applications. The rear cover, bottom cover, top and side covers including doors can all be easily removed and reassembled. This allows easy access for mounting Low Voltage Switchgear and Control Gear components.

Floor standing enclosures are sturdy, robust and rigid suited for heavy duty applications. These enclosures can have either single or multiple doors based on applications.

These enclosures provide maximum protection to electrical Low Voltage Switchgear Components. Form II enclosures are manufactured using electro-galvanized steel sheets.



Form IV enclosures are used for applications relating to power distribution. Enclosures are sturdy, robust and rigid, suited for heavy duty applications. Form IV Extendable Enclosures provide easy access for cabling, installation and maintenance from front or rear of the panel.

1.1 Control Panel Enclosures

Technical Specifications



- Protection class – IP66
- Powder coated RAL 7032 textured
- Concealed hinges with 110° door opening angle
- Reversible doors for left / right side opening
- Adjustable mounting plate with superior studs
- Removable gland plates for top and bottom cable entry with gasket
- Quarter-turn lock provided as a standard
- IP66 quarter-turn lock with dust/waterproof cap can be provided optionally
- Control and distribution application oriented
- Special Rubber Gasket / PU Gasket to maintain IP66 proofing
- Enclosure can be supplied with a canopy (sun shade) as an option

Selection Guide

1.1 Control Panel Enclosures



Control Panel Enclosures IP66, RAL 7032, Pebble Grey Colour-Matt Textured Finish								
SL. No.	Product Code	Nominal dimensions (mm)			Door	Type	Steel Thickness (mm)	
		Height	Width	Depth			Enclosure	Mounting plate
1	SCTC202015	200	200	150	Single	Wall Mounting	1.2	2
2	SCTC252015	250	200	150	Single	Wall Mounting	1.2	2
3	SCTC252015	250	250	150	Single	Wall Mounting	1.2	2
4	SCTC302015	300	200	150	Single	Wall Mounting	1.2	2
5	SCTC302515	300	250	150	Single	Wall Mounting	1.2	2
6	SCTC302020	300	200	200	Single	Wall Mounting	1.2	2
7	SCTC302520	300	250	200	Single	Wall Mounting	1.2	2
8	SCTC303015	300	300	150	Single	Wall Mounting	1.2	2
9	SCTC303020	300	300	200	Single	Wall Mounting	1.2	2
10	SCTC303030	300	300	300	Single	Wall Mounting	1.2	2
11	SCTC402520	400	250	200	Single	Wall Mounting	1.2	2
12	SCTC403015	400	300	150	Single	Wall Mounting	1.2	2
13	SCTC403020	400	300	200	Single	Wall Mounting	1.2	2
14	SCTC404015	400	400	150	Single	Wall Mounting	1.2	2
15	SCTC404020	400	400	200	Single	Wall Mounting	1.2	2
16	SCTC404025	400	400	250	Single	Wall Mounting	1.5	2
17	SCTC406015	400	600	150	Single	Wall Mounting	1.2	2
18	SCTC406020	400	600	200	Single	Wall Mounting	1.2	2
19	SCTC406025	400	600	250	Single	Wall Mounting	1.5	2
20	SCTC406030	400	600	300	Single	Wall Mounting	1.5	2
21	SCTC504015	500	400	150	Single	Wall Mounting	1.2	2
22	SCTC504020	500	400	200	Single	Wall Mounting	1.2	2
23	SCTC504025	500	400	250	Single	Wall Mounting	1.5	2
24	SCTC504030	500	400	300	Single	Wall Mounting	1.5	2
25	SCTC505015	500	500	150	Single	Wall Mounting	1.2	2
26	SCTC505020	500	500	200	Single	Wall Mounting	1.2	2
27	SCTC505025	500	500	250	Single	Wall Mounting	1.5	2
28	SCTC505030	500	500	300	Single	Wall Mounting	1.5	2

Selection Guide

1.1 Control Panel Enclosures



SL. No.	Product Code	Nominal dimensions (mm)			Door	Type	Steel Thickness (mm)	
		Height	Width	Depth			Enclosure	Mounting plate
29	SCTC604015	600	400	150	Single	Wall Mounting	1.2	2
30	SCTC604020	600	400	200	Single	Wall Mounting	1.2	2
31	SCTC604025	600	400	250	Single	Wall Mounting	1.5	2
32	SCTC604030	600	400	300	Single	Wall Mounting	1.5	2
33	SCTC605015	600	500	150	Single	Wall Mounting	1.2	2
34	SCTC605020	600	500	200	Single	Wall Mounting	1.2	2
35	SCTC605025	600	500	250	Single	Wall Mounting	1.5	2
36	SCTC605030	600	500	300	Single	Wall Mounting	1.5	2
37	SCTC606015	600	600	150	Single	Wall Mounting	1.2	2
38	SCTC606020	600	600	200	Single	Wall Mounting	1.2	2
39	SCTC606025	600	600	250	Single	Wall Mounting	1.5	2
40	SCTC606030	600	600	300	Single	Wall Mounting	1.5	2

Note: All Single Door Enclosures are wall mounting without plinth
Enclosures offered in RAL 7032. Custom colours available upon request

1.1.a: Control Panel Enclosures (Double Door)

Selection Guide

Double Door Service Enclosures IP66, RAL 7032, Pebble Grey Colour-Matt Textured Finish								
SL. No.	Product Code	Nominal dimensions (mm)			Door	Type	Steel Thickness (mm)	
		Height	Width	Depth			Enclosure	Mounting plate
1	SCTFI01030	1000	1000	300	Double	Floor Standing	1.5	2
2	SCTFI21025	1000	1200	250	Double	Floor Standing	1.5	2
3	SCTFI21030	1000	1200	300	Double	Floor Standing	1.5	2
4	SCTFI21035	1000	1200	350	Double	Floor Standing	1.5	2
5	SCTFI21040	1000	1200	400	Double	Floor Standing	1.5	2
6	SCTFI21225	1200	1200	250	Double	Floor Standing	1.5	2
7	SCTFI21230	1200	1200	300	Double	Floor Standing	1.5	2
8	SCTFI21235	1200	1200	350	Double	Floor Standing	1.5	2
9	SCTFI21240	1200	1200	400	Double	Floor Standing	1.5	2
10	SCTFI41025	1000	1400	250	Double	Floor Standing	1.5	2
11	SCTFI41030	1000	1400	300	Double	Floor Standing	1.5	2
12	SCTFI41035	1000	1400	350	Double	Floor Standing	1.5	2
13	SCTFI41040	1000	1400	400	Double	Floor Standing	1.5	2
14	SCTFI41225	1200	1400	250	Double	Floor Standing	1.5	2
15	SCTFI41230	1200	1400	300	Double	Floor Standing	1.5	2
16	SCTFI41235	1200	1400	350	Double	Floor Standing	1.5	2
17	SCTFI41240	1200	1400	400	Double	Floor Standing	1.5	2
18	SCTFI61025	1000	1600	250	Double	Floor Standing	1.5	2
19	SCTFI61030	1000	1600	300	Double	Floor Standing	1.5	2
20	SCTFI61035	1000	1600	350	Double	Floor Standing	1.5	2
21	SCTFI61040	1000	1600	400	Double	Floor Standing	1.5	2
22	SCTFI61225	1200	1600	250	Double	Floor Standing	1.5	2
23	SCTFI61230	1200	1600	300	Double	Floor Standing	1.5	2
24	SCTFI61235	1200	1600	350	Double	Floor Standing	1.5	2
25	SCTFI61240	1200	1600	400	Double	Floor Standing	1.5	2
26	SCTFI81025	1000	1800	250	Double	Floor Standing	1.5	2
27	SCTFI81030	1000	1800	300	Double	Floor Standing	1.5	2
28	SCTFI81035	1000	1800	350	Double	Floor Standing	1.5	2

Selection Guide

1.1.a: Control Panel Enclosures (Double Door)

SL. No.	Product Code	Nominal dimensions (mm)			Door	Type	Steel Thickness (mm)	
		Height	Width	Depth			Enclosure	Mounting plate
29	SCTFI81035	1000	1800	400	Double	Floor Standing	1.5	2
30	SCTFI81040	1200	1800	250	Double	Floor Standing	1.5	2
31	SCTFI81225	1200	1800	300	Double	Floor Standing	1.5	2
32	SCTFI81230	1200	1800	350	Double	Floor Standing	1.5	2
33	SCTFI81235	1200	1800	400	Double	Floor Standing	1.5	2
34	SCTFI81240	1000	2000	300	Double	Floor Standing	1.5	2
35	SCTF201030	1000	2000	400	Double	Floor Standing	1.5	2
36	SCTF201040	1200	2000	400	Double	Floor Standing	1.5	2

Note: All Double Door Enclosures are floor standing with 50mm Plinth
Enclosures with canopy and varying sizes available upon request
Enclosures offered in RAL 7032. Custom colours available upon request

1.2 Wall Mounting Enclosure

Technical Specifications



- Protection class – IP66
- Powder coated RAL 7032 textured
- Concealed hinges with 110° door opening angle
- Reversible doors for left / right side opening
- Adjustable mounting plate with superior studs
- Removable gland plates for top and bottom cable entry with gasket
- Quarter-turn lock provided as a standard
- IP66 Quarter-turn lock with dust/waterproof cap can be provided optionally
- Control and distribution application oriented
- Special Rubber Gasket / PU Gasket to maintain IP66 proofing
- Enclosure can be supplied with canopy (sun shade) as an option

Selection Guide

1.2 Wall Mounting Enclosure



Wall Mounting Enclosures IP66, RAL 7032, Pebble Grey Colour-Matt Textured Finish								
SL. No.	Product Code	Nominal dimensions (mm)			Door	Type	Steel Thickness (mm)	
		Width	Width	Depth			Enclosure	Mounting plate
1	SCTW705020	700	500	200	Single	Wall Mounting	1.2	2
2	SCTW705025	700	500	250	Single	Wall Mounting	1.5	2
3	SCTW705030	700	500	300	Single	Wall Mounting	1.5	2
4	SCTC706015	700	600	150	Single	Wall Mounting	1.5	2
5	SCTW706020	700	600	200	Single	Wall Mounting	1.5	2
6	SCTW706025	700	600	250	Single	Wall Mounting	1.5	2
7	SCTW706030	700	600	300	Single	Wall Mounting	1.5	2
8	SCTC707015	700	700	150	Single	Wall Mounting	1.5	2
9	SCTW707020	700	700	200	Single	Wall Mounting	1.5	2
10	SCTW707025	700	700	250	Single	Wall Mounting	1.5	2
11	SCTW707030	700	700	300	Single	Wall Mounting	1.5	2
12	SCTW806015	800	600	150	Single	Wall Mounting	1.5	2
13	SCTW806020	800	600	200	Single	Wall Mounting	1.5	2
14	SCTW806025	800	600	250	Single	Wall Mounting	1.5	2
15	SCTW806030	800	600	300	Single	Wall Mounting	1.5	2
16	SCTW806040	800	600	400	Single	Wall Mounting	1.5	2
17	SCTW808015	800	800	150	Single	Wall Mounting	1.5	2
18	SCTW808020	800	800	200	Single	Wall Mounting	1.5	2
19	SCTW808025	800	800	250	Single	Wall Mounting	1.5	2
20	SCTW808030	800	800	300	Single	Wall Mounting	1.5	2
21	SCTW808040	800	800	400	Single	Wall Mounting	1.5	2
22	SCTW106015	1000	600	150	Single	Wall Mounting	1.5	2
23	SCTW106020	1000	600	200	Single	Wall Mounting	1.5	2
24	SCTW106025	1000	600	250	Single	Wall Mounting	1.5	2
25	SCTW106030	1000	600	300	Single	Wall Mounting	1.5	2
26	SCTW106040	1000	600	400	Single	Wall Mounting	1.5	2
27	SCTW108015	1000	800	150	Single	Wall Mounting	1.5	2
28	SCTW108020	1000	800	200	Single	Wall Mounting	1.5	2

Selection Guide

1.2 Wall Mounting Enclosure



SL. No.	Product Code	Nominal dimensions (mm)			Door	Type	Steel Thickness (mm)	
		Height	Width	Depth			Enclosure	Mounting plate
29	SCTW108025	1000	800	250	Single	Wall Mounting	1.5	2
30	SCTW108030	1000	800	300	Single	Wall Mounting	1.5	2
31	SCTW108040	1000	800	400	Single	Wall Mounting	1.5	2
32	SCTW101025	1000	1000	250	Single	Wall Mounting	1.5	2
33	SCTW101030	1000	1000	300	Single	Wall Mounting	1.5	2
34	SCTW101040	1000	1000	400	Single	Wall Mounting	1.5	2
35	SCTW126020	1200	600	200	Single	Wall Mounting	1.5	2
36	SCTW126025	1200	600	250	Single	Wall Mounting	1.5	2
37	SCTW126030	1200	600	300	Single	Wall Mounting	1.5	2
38	SCTW126035	1200	600	350	Single	Wall Mounting	1.5	2
39	SCTW126040	1200	600	400	Single	Wall Mounting	1.5	2
40	SCTW128015	1200	800	150	Single	Wall Mounting	1.5	2
41	SCTW128020	1200	800	200	Single	Wall Mounting	1.5	2
42	SCTW128025	1200	800	250	Single	Wall Mounting	1.5	2
43	SCTW128030	1200	800	300	Single	Wall Mounting	1.5	2
44	SCTW128035	1200	800	350	Single	Wall Mounting	1.5	2
45	SCTW128040	1200	800	400	Single	Wall Mounting	1.5	2
46	SCTW121025	1200	1000	250	Single	Wall Mounting	1.5	2
47	SCTW121030	1200	1000	300	Single	Wall Mounting	1.5	2
48	SCTW121035	1200	1000	350	Single	Wall Mounting	1.5	2
49	SCTW121040	1200	1000	400	Single	Wall Mounting	1.5	2
50	SCTW146015	1400	600	150	Single	Wall Mounting	1.5	2
51	SCTW146020	1400	600	200	Single	Wall Mounting	1.5	2
52	SCTW146025	1400	600	250	Single	Wall Mounting	1.5	2
53	SCTW146030	1400	600	300	Single	Wall Mounting	1.5	2
54	SCTW146035	1400	600	350	Single	Wall Mounting	1.5	2
55	SCTW146040	1400	600	400	Single	Wall Mounting	1.5	2
56	SCTW148015	1400	800	150	Single	Wall Mounting	1.5	2
57	SCTW148020	1400	800	200	Single	Wall Mounting	1.5	2
58	SCTW148025	1400	800	250	Single	Wall Mounting	1.5	2
59	SCTW148030	1400	800	300	Single	Wall Mounting	1.5	2

Selection Guide

1.2 Wall Mounting Enclosure



SL. No.	Product Code	Nominal dimensions (mm)			Door	Type	Steel Thickness (mm)	
		Height	Width	Depth			Enclosure	Mounting plate
60	SCTW148035	1400	800	350	Single	Wall Mounting	1.5	2
61	SCTW148040	1400	800	400	Single	Wall Mounting	1.5	2
62	SCTW141025	1400	1000	250	Single	Wall Mounting	1.5	2
63	SCTW141030	1400	1000	300	Single	Wall Mounting	1.5	2
64	SCTW141035	1400	1000	350	Single	Wall Mounting	1.5	2
65	SCTW141040	1400	1000	400	Single	Wall Mounting	1.5	2
66	SCTW166015	1600	600	150	Single	Wall Mounting	1.5	2
67	SCTW166020	1600	600	200	Single	Wall Mounting	1.5	2
68	SCTW166025	1600	600	250	Single	Wall Mounting	1.5	2
69	SCTW166030	1600	600	300	Single	Wall Mounting	1.5	2
70	SCTW166035	1600	600	350	Single	Wall Mounting	1.5	2
71	SCTW166040	1600	600	400	Single	Wall Mounting	1.5	2
72	SCTW168015	1600	800	150	Single	Wall Mounting	1.5	2
73	SCTW168020	1600	800	200	Single	Wall Mounting	1.5	2
74	SCTW168025	1600	800	250	Single	Wall Mounting	1.5	2
75	SCTW168030	1600	800	300	Single	Wall Mounting	1.5	2
76	SCTW168035	1600	800	350	Single	Wall Mounting	1.5	2
77	SCTW168040	1600	800	400	Single	Wall Mounting	1.5	2
78	SCTW161030	1600	1000	300	Single	Wall Mounting	1.5	2
79	SCTW161035	1600	1000	350	Single	Wall Mounting	1.5	2
80	SCTW161040	1600	1000	400	Single	Wall Mounting	1.5	2
81	SCTW186015	1800	600	150	Single	Wall Mounting	1.5	2
82	SCTW186020	1800	600	200	Single	Wall Mounting	1.5	2
83	SCTW186025	1800	600	250	Single	Wall Mounting	1.5	2
84	SCTW186030	1800	600	300	Single	Wall Mounting	1.5	2
85	SCTW186035	1800	600	350	Single	Wall Mounting	1.5	2
86	SCTW186040	1800	600	400	Single	Wall Mounting	1.5	2
87	SCTW188015	1800	800	150	Single	Wall Mounting	1.5	2
88	SCTW188020	1800	800	200	Single	Wall Mounting	1.5	2
89	SCTW188025	1800	800	250	Single	Wall Mounting	1.5	2
90	SCTW188030	1800	800	300	Single	Wall Mounting	1.5	2

Selection Guide

1.2 Wall Mounting Enclosure



SL. No.	Product Code	Nominal dimensions (mm)			Door	Type	Steel Thickness (mm)	
		Height	Width	Depth			Enclosure	Mounting plate
91	SCTW188035	1800	800	350	Single	Wall Mounting	1.5	2
92	SCTW188040	1800	800	400	Single	Wall Mounting	1.5	2
93	SCTW181040	1800	1000	400	Single	Wall Mounting	1.5	2
94	SCTW208040	2000	800	400	Single	Wall Mounting	1.5	2

Note: All Single Door Enclosures are wall mounting without plinth
Enclosures offered in RAL 7032. Custom colours available upon request

1.3 Metering Cabinet with Gland Box



Technical Specifications



- Made of electro-galvanized steel sheet of thickness 1.5 mm
- Powder Coated in RAL 7032 Pebble Grey - Matt-finish
- Mounting Plate made of GI steel sheet (2mm thickness), powder coated in RAL 2000 Orange Colour
- Metering Cabinets come standard with meter viewing cut-out
- Optional: Meter Viewing Window - Perspex Glass 150X150mm (5mm glass thickness) with hinged protection cover 200X200mm can be provided upon request
- Pad locking arrangement
- Gland Box fixed to bottom of Metering Cabinet
- Enclosure can be supplied with canopy (sun shade) as an option

Selection Guide

1.3 Metering Cabinet
with Gland Box



Metering Cabinet-Single Door with Meter Cut-Out, RAL 7032, Pebble Grey Colour-Matt Textured Finish								
SL. No.	Product Code	Nominal dimensions (mm)			Door	Type	Steel Thickness (mm)	
		Height	Width	Depth			Enclosure	Mounting plate
1	SCTMC504020	500	400	200	Single	Door Cut-Out with Pad-Lock Provision	1.5	2
2	SCTMC604020	600	400	200	Single	Door Cut-Out with Pad-Lock Provision	1.5	2
3	SCTMC605020	600	500	200	Single	Door Cut-Out with Pad-Lock Provision	1.5	2
4	SCTMC806020	800	600	200	Single	Door Cut-Out with Pad-Lock Provision	1.5	2
5	SCTMCG806020	800	600	200	Single	Door Viewing Glass 150mm X 150mm	1.5	2
6	SCTMCG108025	1000	800	250	Single	Door Viewing Glass 150mm X 150mm	1.5	2

Gland Box Fitted to Metering Cabinet						
SL. No.	Product Code	Nominal dimensions (mm)			Type	Steel Thickness (mm)
		Height	Width	Depth		Enclosure
1	SCTGB204020	200	400	200	GB fitted to bottom of Metering Cabinet	1.5
2	SCTGB205020	200	500	200	GB fitted to bottom of Metering Cabinet	1.5
3	SCTGB206020	200	600	200	GB fitted to bottom of Metering Cabinet	1.5
4	SCTGB256020	250	600	200	GB fitted to bottom of Metering Cabinet	1.5
5	SCTGB308025	300	800	250	GB fitted to bottom of Metering Cabinet	1.5

Selection Guide

1.3 Metering Cabinet
with Gland Box



Gland Box Product Range						
SL. No.	Product Code	Nominal dimensions (mm)			Type	Steel Thickness (mm)
		Height	Width	Depth		Enclosure
1	SCTGB204020	200	400	200	Gland Box	1.5
2	SCTGB205020	200	500	200	Gland Box	1.5
3	SCTGB206020	200	600	200	Gland Box	1.5
4	SCTGB208020	200	800	200	Gland Box	1.5
5	SCTGB208025	200	800	250	Gland Box	1.5
6	SCTGB256020	250	600	200	Gland Box	1.5
7	SCTGB258020	250	800	200	Gland Box	1.5
8	SCTGB308020	300	800	200	Gland Box	1.5
9	SCTGB308025	300	800	250	Gland Box	1.5

1.4 Service Enclosure with Polycarbonate Glass Door



Technical Specifications



- Protection class – IP66
- Powder coated RAL 7032 Textured
- Concealed hinges with 110° door opening angle
- Reversible doors for left / right side opening
- Adjustable mounting plate with superior studs
- Removable gland plates for top and bottom cable entry with gasket
- Quarter-turn lock provided as a standard
- IP66 quarter-turn lock with dust/waterproof cap can be provided optionally
- Control and distribution application oriented
- Special Rubber Gasket / PU Gasket to maintain IP66 proofing
- Enclosure can be supplied with canopy (sun shade) as an option

1.4 Service Enclosure with Polycarbonate Glass Door



Selection Guide

Service Enclosures with Polycarbonate Transparent Single Door IP66, RAL 7032, Pebble Grey Colour-Matt Textured Finish								
SL. No.	Product Code	Nominal dimensions (mm)			Door	Type	Steel Thickness (mm)	
		Height	Width	Depth			Enclosure	Mounting plate
1	SCTPC202015	200	200	150	Single	Wall Mounting	1.2	2
2	SCTPC252015	250	200	150	Single	Wall Mounting	1.2	2
3	SCTPC252015	250	250	150	Single	Wall Mounting	1.2	2
4	SCTPC302015	300	200	150	Single	Wall Mounting	1.2	2
5	SCTPC302515	300	250	150	Single	Wall Mounting	1.2	2
6	SCTPC302020	300	200	200	Single	Wall Mounting	1.2	2
7	SCTPC302520	300	250	200	Single	Wall Mounting	1.2	2
8	SCTPC303015	300	300	150	Single	Wall Mounting	1.2	2
9	SCTPC303020	300	300	200	Single	Wall Mounting	1.2	2
10	SCTPC303030	300	300	300	Single	Wall Mounting	1.2	2
11	SCTPC402520	400	250	200	Single	Wall Mounting	1.2	2
12	SCTPC403015	400	300	150	Single	Wall Mounting	1.2	2
13	SCTPC403020	400	300	200	Single	Wall Mounting	1.2	2
14	SCTPC404015	400	400	150	Single	Wall Mounting	1.2	2
15	SCTPC404020	400	400	200	Single	Wall Mounting	1.2	2
16	SCTPC404025	400	400	250	Single	Wall Mounting	1.5	2
17	SCTPC406015	400	600	150	Single	Wall Mounting	1.2	2
18	SCTPC406020	400	600	200	Single	Wall Mounting	1.2	2
19	SCTPC406025	400	600	250	Single	Wall Mounting	1.5	2
20	SCTPC406030	400	600	300	Single	Wall Mounting	1.5	2
21	SCTPC504015	500	400	150	Single	Wall Mounting	1.2	2
22	SCTPC504020	500	400	200	Single	Wall Mounting	1.2	2
23	SCTPC504025	500	400	250	Single	Wall Mounting	1.5	2
24	SCTPC504030	500	400	300	Single	Wall Mounting	1.5	2
25	SCTPC505015	500	500	150	Single	Wall Mounting	1.2	2
26	SCTPC505020	500	500	200	Single	Wall Mounting	1.2	2
27	SCTPC505025	500	500	250	Single	Wall Mounting	1.5	2
28	SCTPC505030	500	500	300	Single	Wall Mounting	1.5	2

Selection Guide

1.4 Service Enclosure
with Polycarbonate
Glass Door



SL. No.	Product Code	Nominal dimensions (mm)			Door	Type	Steel Thickness (mm)	
		Height	Width	Depth			Enclosure	Mounting plate
29	SCTPC604015	600	400	150	Single	Wall Mounting	1.2	2
30	SCTPC604020	600	400	200	Single	Wall Mounting	1.2	2
31	SCTPC604025	600	400	250	Single	Wall Mounting	1.5	2
32	SCTPC604030	600	400	300	Single	Wall Mounting	1.5	2
33	SCTPC605015	600	500	150	Single	Wall Mounting	1.2	2
34	SCTPC605020	600	500	200	Single	Wall Mounting	1.2	2
35	SCTPC605025	600	500	250	Single	Wall Mounting	1.5	2
36	SCTPC605030	600	500	300	Single	Wall Mounting	1.5	2
37	SCTPC606015	600	600	150	Single	Wall Mounting	1.2	2
38	SCTPC606020	600	600	200	Single	Wall Mounting	1.2	2
39	SCTPC606025	600	600	250	Single	Wall Mounting	1.5	2
40	SCTPC606030	600	600	300	Single	Wall Mounting	1.5	2
41	SCTPC705015	700	500	150	Single	Wall Mounting	1.2	2
42	SCTPC705020	700	500	200	Single	Wall Mounting	1.2	2
43	SCTPC705025	700	500	250	Single	Wall Mounting	1.5	2
44	SCTPC705030	700	500	300	Single	Wall Mounting	1.5	2
45	SCTPC706015	700	600	150	Single	Wall Mounting	1.5	2
46	SCTPC706020	700	600	200	Single	Wall Mounting	1.5	2
47	SCTPC706025	700	600	250	Single	Wall Mounting	1.5	2
48	SCTPC706030	700	600	300	Single	Wall Mounting	1.5	2
49	SCTPC707015	700	700	150	Single	Wall Mounting	1.5	2
50	SCTPC707020	700	700	200	Single	Wall Mounting	1.5	2
51	SCTPC707025	700	700	250	Single	Wall Mounting	1.5	2
52	SCTPC707030	700	700	300	Single	Wall Mounting	1.5	2
53	SCTPC806015	800	600	150	Single	Wall Mounting	1.5	2
54	SCTPC806020	800	600	200	Single	Wall Mounting	1.5	2
55	SCTPC806025	800	600	250	Single	Wall Mounting	1.5	2
56	SCTPC806030	800	600	300	Single	Wall Mounting	1.5	2
57	SCTPC806040	800	600	400	Single	Wall Mounting	1.5	2
58	SCTPC808015	800	800	150	Single	Wall Mounting	1.5	2
59	SCTPC808020	800	800	200	Single	Wall Mounting	1.5	2

Selection Guide

1.4 Service Enclosure
with Polycarbonate
Glass Door



SL. No.	Product Code	Nominal dimensions (mm)			Door	Type	Steel Thickness (mm)	
		Height	Width	Depth			Enclosure	Mounting plate
60	SCTPC808025	800	800	250	Single	Wall Mounting	1.5	2
61	SCTPC808030	800	800	300	Single	Wall Mounting	1.5	2
62	SCTPC808040	800	800	400	Single	Wall Mounting	1.5	2
63	SCTPC106015	1000	600	150	Single	Wall Mounting	1.5	2
64	SCTPC106020	1000	600	200	Single	Wall Mounting	1.5	2
65	SCTPC106025	1000	600	250	Single	Wall Mounting	1.5	2
66	SCTPC106030	1000	600	300	Single	Wall Mounting	1.5	2
67	SCTPC106040	1000	600	400	Single	Wall Mounting	1.5	2
68	SCTPC108015	1000	800	150	Single	Wall Mounting	1.5	2
69	SCTPC108020	1000	800	200	Single	Wall Mounting	1.5	2
70	SCTPC108025	1000	800	250	Single	Wall Mounting	1.5	2
71	SCTPC108030	1000	800	300	Single	Wall Mounting	1.5	2
72	SCTPC108040	1000	800	400	Single	Wall Mounting	1.5	2
73	SCTPC101025	1000	1000	250	Single	Wall Mounting	1.5	2
74	SCTPC101030	1000	1000	300	Single	Wall Mounting	1.5	2
75	SCTPC101040	1000	1000	400	Single	Wall Mounting	1.5	2
76	SCTPC126020	1200	600	200	Single	Wall Mounting	1.5	2
77	SCTPC126025	1200	600	250	Single	Wall Mounting	1.5	2
78	SCTPC126030	1200	600	300	Single	Wall Mounting	1.5	2
79	SCTPC126035	1200	600	350	Single	Wall Mounting	1.5	2
80	SCTPC126040	1200	600	400	Single	Wall Mounting	1.5	2
81	SCTPC128015	1200	800	150	Single	Wall Mounting	1.5	2
82	SCTPC128020	1200	800	200	Single	Wall Mounting	1.5	2
83	SCTPC128025	1200	800	250	Single	Wall Mounting	1.5	2
84	SCTPC128030	1200	800	300	Single	Wall Mounting	1.5	2
85	SCTPC128035	1200	800	350	Single	Wall Mounting	1.5	2
86	SCTPC128040	1200	800	400	Single	Wall Mounting	1.5	2
87	SCTPC121025	1200	1000	250	Single	Wall Mounting	1.5	2
88	SCTPC121030	1200	1000	300	Single	Wall Mounting	1.5	2
89	SCTPC121035	1200	1000	350	Single	Wall Mounting	1.5	2
90	SCTPC121040	1200	1000	400	Single	Wall Mounting	1.5	2

Selection Guide

1.4 Service Enclosure
with Polycarbonate
Glass Door



SL. No.	Product Code	Nominal dimensions (mm)			Door	Type	Steel Thickness (mm)	
		Height	Width	Depth			Enclosure	Mounting plate
91	SCTPC146015	1400	600	150	Single	Wall Mounting	1.5	2
92	SCTPC146020	1400	600	200	Single	Wall Mounting	1.5	2
93	SCTPC146025	1400	600	250	Single	Wall Mounting	1.5	2
94	SCTPC146030	1400	600	300	Single	Wall Mounting	1.5	2
95	SCTPC146035	1400	600	350	Single	Wall Mounting	1.5	2
96	SCTPC146040	1400	600	400	Single	Wall Mounting	1.5	2
97	SCTPC148015	1400	800	150	Single	Wall Mounting	1.5	2
98	SCTPC148020	1400	800	200	Single	Wall Mounting	1.5	2
99	SCTPC148025	1400	800	250	Single	Wall Mounting	1.5	2
100	SCTPC148030	1400	800	300	Single	Wall Mounting	1.5	2
101	SCTPC148035	1400	800	350	Single	Wall Mounting	1.5	2
102	SCTPC148040	1400	800	400	Single	Wall Mounting	1.5	2
103	SCTPC141025	1400	1000	250	Single	Wall Mounting	1.5	2
104	SCTPC141030	1400	1000	300	Single	Wall Mounting	1.5	2
105	SCTPC141035	1400	1000	350	Single	Wall Mounting	1.5	2
106	SCTPC141040	1400	1000	400	Single	Wall Mounting	1.5	2
107	SCTPC166015	1600	600	150	Single	Wall Mounting	1.5	2
108	SCTPC166020	1600	600	200	Single	Wall Mounting	1.5	2
109	SCTPC166025	1600	600	250	Single	Wall Mounting	1.5	2
110	SCTPC166030	1600	600	300	Single	Wall Mounting	1.5	2
111	SCTPC166035	1600	600	350	Single	Wall Mounting	1.5	2
112	SCTPC166040	1600	600	400	Single	Wall Mounting	1.5	2
113	SCTPC168015	1600	800	150	Single	Wall Mounting	1.5	2
114	SCTPC168020	1600	800	200	Single	Wall Mounting	1.5	2
115	SCTPC168025	1600	800	250	Single	Wall Mounting	1.5	2
116	SCTPC168030	1600	800	300	Single	Wall Mounting	1.5	2
117	SCTPC168035	1600	800	350	Single	Wall Mounting	1.5	2
118	SCTPC168040	1600	800	400	Single	Wall Mounting	1.5	2
119	SCTPC161030	1600	1000	300	Single	Wall Mounting	1.5	2
120	SCTPC161035	1600	1000	350	Single	Wall Mounting	1.5	2
121	SCTPC161040	1600	1000	400	Single	Wall Mounting	1.5	2

Selection Guide

1.4 Service Enclosure
with Polycarbonate
Glass Door



SL. No.	Product Code	Nominal dimensions (mm)			Door	Type	Steel Thickness (mm)	
		Height	Width	Depth			Enclosure	Mounting plate
122	SCTPC186015	1800	600	150	Single	Wall Mounting	1.5	2
123	SCTPC186020	1800	600	200	Single	Wall Mounting	1.5	2
124	SCTPC186025	1800	600	250	Single	Wall Mounting	1.5	2
125	SCTPC186030	1800	600	300	Single	Wall Mounting	1.5	2
126	SCTPC186035	1800	600	350	Single	Wall Mounting	1.5	2
127	SCTPC186040	1800	600	400	Single	Wall Mounting	1.5	2
128	SCTPC188015	1800	800	150	Single	Wall Mounting	1.5	2
129	SCTPC188020	1800	800	200	Single	Wall Mounting	1.5	2
130	SCTPC188025	1800	800	250	Single	Wall Mounting	1.5	2
131	SCTPC188030	1800	800	300	Single	Wall Mounting	1.5	2
132	SCTPC188035	1800	800	350	Single	Wall Mounting	1.5	2
133	SCTPC188040	1800	800	400	Single	Wall Mounting	1.5	2

1.5 Modular Enclosure (DIN Rail Row DB)

Overview

Made of high quality electro galvanized steel sheet of thickness up to 1.2 mm with adjustable rail mounting assembly made of electro galvanized steel sheet



Technical Specifications

- Made of high quality electro-galvanized steel sheet of thickness up to 1.2 mm
- Adjustable rail mounting assembly made of electro-galvanized steel sheet
- Complies with IEC 60529
- Polyester powder coated in RAL -7035 (Light grey in matt textured finish)
- Custom colours available upon request
- Knockouts provided on top and bottom sides of the enclosure
- Ingress Protection IP41
- Enclosure available from 1 Row to 6 Rows (16 or 24 Din Rail Modules)
- Ample gutter space for wiring
- Available in Flush and Surface Mounting types
- Sliding lock and reversible door
- Key-Lock, Gland Box and transparent door available upon request
- Enclosure can be supplied with canopy (sun shade) as an option

1.5 Modular Enclosure (DIN Rail Row DB)

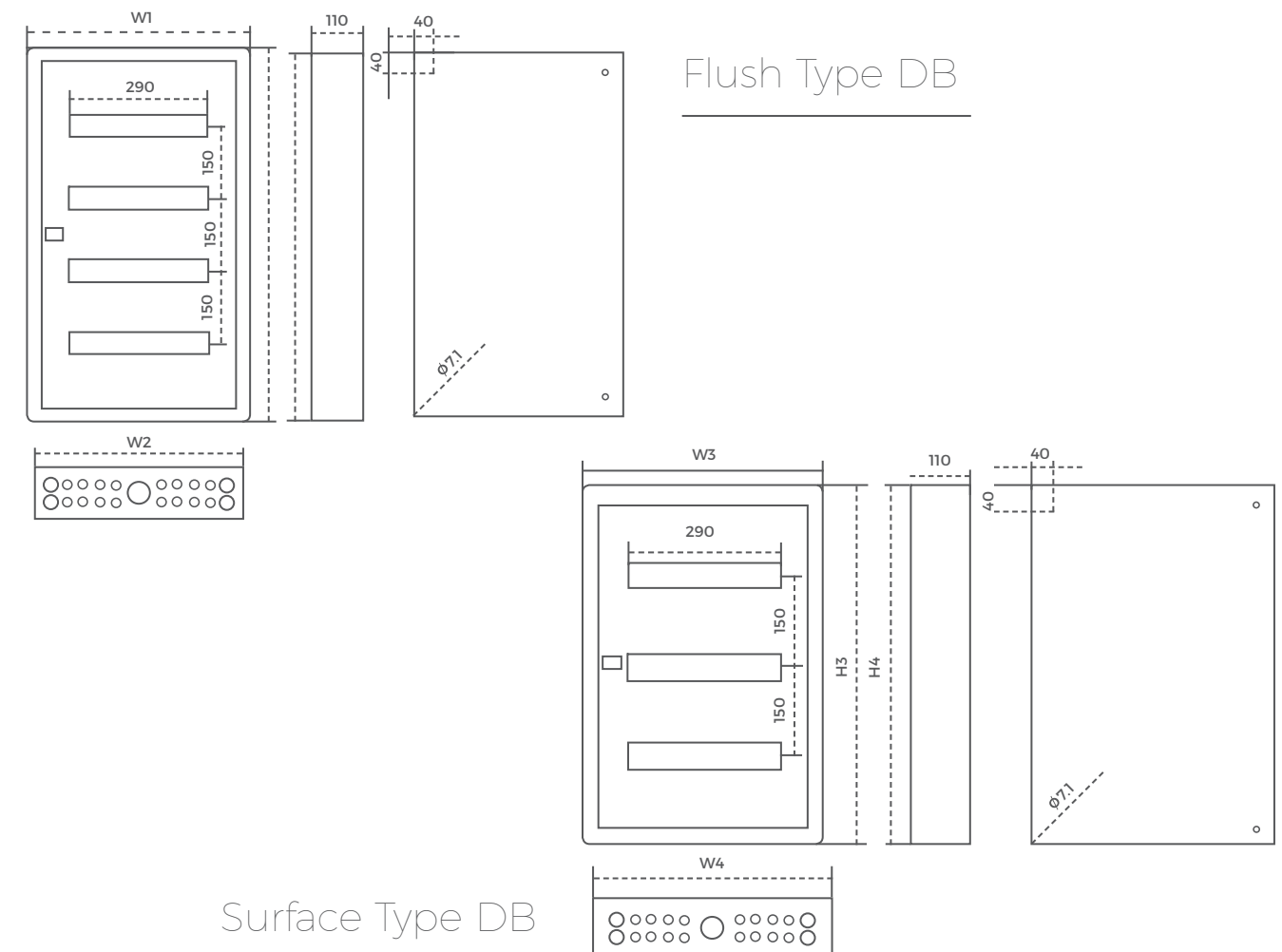


Application

SCT Modular Enclosure commonly used as a “Distribution Board” is suitable for mounting various types of Din Rail Type LV switchgear components

SCT Modular Enclosures distribute power in a safe and reliable manner

Product Range



1.5 Modular Enclosure
(DIN Rail Row DB)



Product Range

Table 01

TYPE A	Flush Type 16 Modules, With Slide Lock & Metal Door, RAL 7035							H1 = HEIGHT OF ENCLOSURE, INCLUSIVE OF DOOR FRAME W1 = WIDTH OF ENCLOSURE, INCLUSIVE OF DOOR FRAME H2 = HEIGHT OF BOX W2 = WIDTH OF BOX D = DEPTH OF BOX
	ROWS	ORDER REFERENCE	H1 (mm)	W1 (mm)	H2 (mm)	W2 (mm)	D (mm)	
	1	SCTMEAR1M16F	325	465	300	440	110	
	2	SCTMEAR2M16F	475	465	450	440	110	
	3	SCTMEAR3M16F	625	465	600	440	110	
	4	SCTMEAR4M16F	775	465	750	440	110	
	5	SCTMEAR5M16F	925	465	900	440	110	
	6	SCTMEAR6M16F	1075	465	1050	440	110	

Table 02

TYPE A	Surface Type 16 Modules, With Slide Lock & Metal Door, RAL 7035							H3 = HEIGHT OF ENCLOSURE, INCLUSIVE OF DOOR FRAME W3 = WIDTH OF ENCLOSURE, INCLUSIVE OF DOOR FRAME H4 = HEIGHT OF BOX W4 = WIDTH OF BOX D = DEPTH OF BOX
	ROWS	ORDER REFERENCE	H3 (mm)	W3 (mm)	H4 (mm)	W4 (mm)	D (mm)	
	1	SCTMEAR1M16S	305	445	300	440	110	
	2	SCTMEAR2M16S	455	445	450	440	110	
	3	SCTMEAR3M16S	605	445	600	440	110	
	4	SCTMEAR4M16S	755	445	750	440	110	
	5	SCTMEAR5M16S	905	445	900	440	110	
	6	SCTMEAR6M16S	1055	445	1050	440	110	

1.5 Modular Enclosure
(DIN Rail Row DB)



Product Range

Table 03

TYPE A	Flush Type 24 Modules, With Slide Lock & Metal Door, RAL 7035							H1 = HEIGHT OF ENCLOSURE, INCLUSIVE OF DOOR FRAME W1 = WIDTH OF ENCLOSURE, INCLUSIVE OF DOOR FRAME H2 = HEIGHT OF BOX W2 = WIDTH OF BOX D = DEPTH OF BOX
	ROWS	ORDER REFERENCE	H1 (mm)	W1 (mm)	H2 (mm)	W2 (mm)	D (mm)	
	1	SCTMEAR1M24F	325	610	300	585	110	
	2	SCTMEAR2M24F	475	610	450	585	110	
	3	SCTMEAR3M24F	625	610	600	585	110	
	4	SCTMEAR4M24F	775	610	750	585	110	
	5	SCTMEAR5M24F	925	610	900	585	110	
	6	SCTMEAR6M24F	1075	610	1050	585	110	

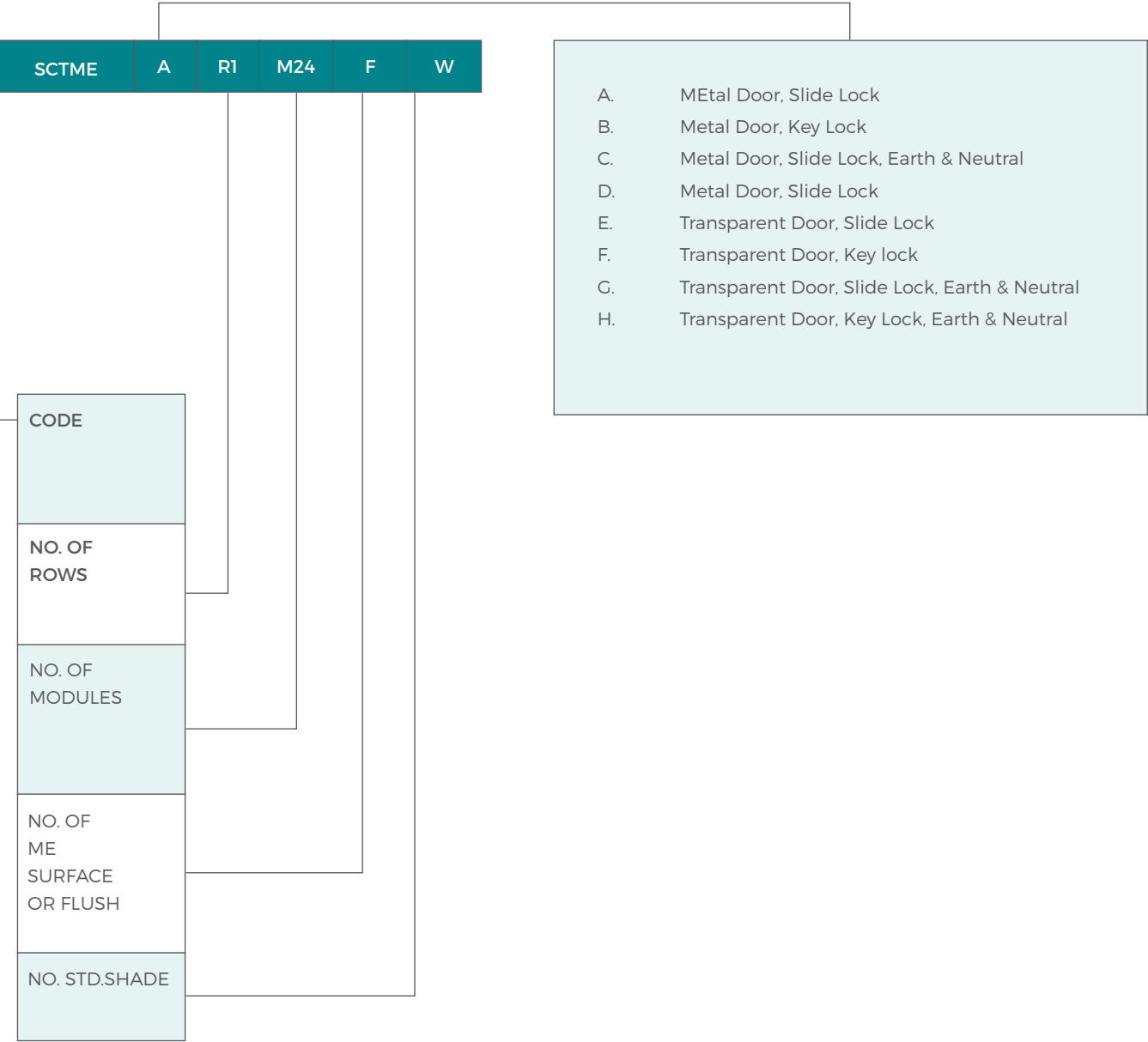
Table 04

TYPE A	Surface Type 24 Modules, With Slide Lock & Metal Door, RAL 7035							H3 = HEIGHT OF ENCLOSURE, INCLUSIVE OF DOOR FRAME W3 = WIDTH OF ENCLOSURE, INCLUSIVE OF DOOR FRAME H4 = HEIGHT OF BOX W4 = WIDTH OF BOX D = DEPTH OF BOX
	ROWS	ORDER REFERENCE	H3 (mm)	W3 (mm)	H4 (mm)	W4 (mm)	D (mm)	
	1	SCTMEAR1M24S	305	590	300	585	110	
	2	SCTMEAR2M24S	455	590	450	585	110	
	3	SCTMEAR3M24S	605	590	600	585	110	
	4	SCTMEAR4M24S	755	590	750	585	110	
	5	SCTMEAR5M24S	905	590	900	585	110	
	6	SCTMEAR6M24S	1055	590	1050	585	110	

1.5 Modular Enclosure
(DIN Rail Row DB)



Product Coding



1.5 Modular Enclosure
(DIN Rail Row DB)



Options

- Transparent door made of polycarbonate Sheet
- Key lock
- Enclosures can be supplied with neutral and earth terminals assembled
- Polycarbonate support provided for Neutral Bar assembly
- Enclosures in custom colours manufactured upon request
- Enclosure models available for assembly of 16 or 24 Din Rail Modules
- Enclosure with 90mm Depth can be manufactured upon special request
- Gland Box

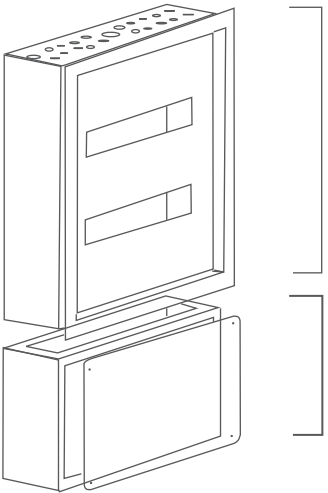
Above options available on request

Gland Box

Gland box provides additional space for cable entry from either top or bottom side of enclosure

Table 05

Order Reference	Dimensions
SCT-GB16ME	16 MODULE 200(H)X440(W)x110(D)
SCT-GB24ME	24 MODULE 200(H)X585(W)x110(D)



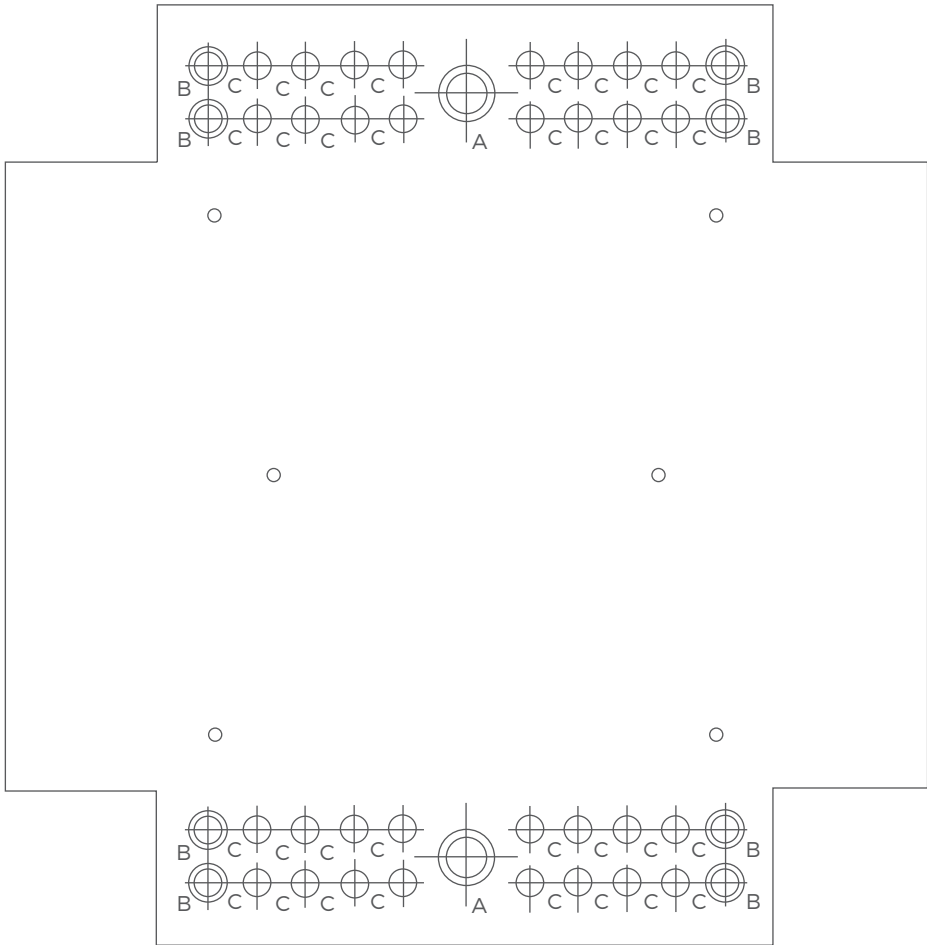
Modular Enclosure

Gland Box

1.5 Modular Enclosure
(DIN Rail Row DB)



Knockout Details



FOR 16 MODULES:

- A – ϕ 38/ ϕ 50 DOUBLE KNOCKOUT - 2 NOS.
- B – ϕ 20/ ϕ 25 DOUBLE KNOCKOUT - 8 NOS.
- C - ϕ 20 KNOCKOUT – 32 NOS.

FOR 24 MODULES:

- A – ϕ 38/ ϕ 50 DOUBLE KNOCKOUT - 2 NOS.
- B – ϕ 20/ ϕ 25 DOUBLE KNOCKOUT - 8 NOS.
- C - ϕ 20 KNOCKOUT – 48 NOS.

1.6 Stainless Steel Enclosure



Technical Specifications



- IP66 Stainless Steel enclosures are manufactured using either 304L or 316L grade SS
- Stainless steel thickness up to 2mm
- Stainless steel enclosures can be made available either in brush or highly polished mirror finish
- Stainless steel enclosures are best suited for hospitals, Oil & Gas industry, chemical industry, food industry
- Highly corrosive environments
- Stainless steel enclosures can be manufactured in any size depending upon application and need
- Enclosure can be supplied with canopy (sun shade) as an option

1.7 Form II Extendable Enclosure

Overview

Welded construction extendable enclosure with removable rear and side covers



Technical Specifications

- Enclosure manufactured using high quality electro-galvanized / GI steel sheets
- Welded construction extendable enclosure with removable rear and side covers
- 120 degree door opening with three point lockable swing handle door lock
- Gasketed gland plates at the bottom with ample cabling space
- Perforated side vertical channels designed to accept depth adjustable Mounting Plate
- Eye bolts for ease of handling
- Welded earthing studs on door and body
- Canopy provided as an option suitable for outdoor installations
- Electrostatic Polyester Powder coated to RAL 7032-matt textured finish
- Other RAL Colours and finishes available upon customer request

Selection Guide

1.4 Service Enclosure
with Polycarbonate
Glass Door



Form II Extendable, RAL 7032, Pebble Grey Colour-Matt Textured Finish						
SL. No.	Product Code	Nominal dimensions (mm)			Door	Type
		Height	Width	Depth		
Extendable Enclosures W/O Plinth, W/O Mounting Plate & W/O Side Covers						
1	SCTEE206060	2000	600	600	Single	Floor Standing
2	SCTEE208060	2000	800	600	Single	Floor Standing
3	SCTEE201060	2000	1000	600	Single	Floor Standing
4	SCTEE201260	2000	1200	600	Single	Floor Standing
5	SCTEE206080	2000	600	800	Single	Floor Standing
6	SCTEE208080	2000	800	800	Single	Floor Standing
7	SCTEE201080	2000	1000	800	Single	Floor Standing
8	SCTEE201280	2000	1200	800	Double	Floor Standing
Extendable Enclosures Base (Plinth Sizes)						
9	SCTEE506060P	50	600	600		Plinth
10	SCTEE508060P	50	800	600		Plinth
11	SCTEE501060P	50	1000	600		Plinth
12	SCTEE501260P	50	1200	600		Plinth
13	SCTEE506080P	50	600	800		Plinth
14	SCTEE508080P	50	800	800		Plinth
15	SCTEE501080P	50	1000	800		Plinth
16	SCTEE501280P	50	1200	800		Plinth
17	SCTEE106060P	100	600	600		Plinth
18	SCTEE108060P	100	800	600		Plinth
19	SCTEE101060P	100	1000	600		Plinth
20	SCTEE101260P	100	1200	600		Plinth
21	SCTEE106080P	100	600	800		Plinth
22	SCTEE108080P	100	800	800		Plinth
23	SCTEE101080P	100	1000	800		Plinth
24	SCTEE101280P	100	1200	800		Plinth

Selection Guide

1.4 Service Enclosure
with Polycarbonate
Glass Door



SL. No.	Product Code	Nominal dimensions (mm)			Door	Type
		Height	Width	Depth		
Extendable Enclosures Mounting Plates						
25	SCTEE2060MP	2000	600			Mounting Plate
26	SCTEE2080MP	2000	800			Mounting Plate
27	SCTEE2010MP	2000	1000			Mounting Plate
28	SCTEE2012MP	2000	1200			Mounting Plate
Extendable Enclosures Side Covers (1 Pair)						
29	SCTEE2060SC	2000		600		Side Cover 1 Pair
30	SCTEE2080SC	2000		800		Side Cover 1 Pair
Extendable Enclosures Joining Kit						
31	SCTEEJOINKT					

Notes: Frames are in 2mm, Doors and Covers in 1.5mm thick EG Steel Sheet
Extendable Enclosure offered in RAL 7032 - Light Grey Textured
Dimension are in mm

1.8 Form IV Extendable Enclosure

Technical Specifications



- Modular construction of cubicles in different sizes depending on project requirement
- Cable entry from top or bottom with removable gland plates
- Main frame manufactured using 2mm EG / GI steel sheets
- Doors and cover plates manufactured using 1.5mm EG / GI steel sheets
- Welded construction to attain rigidity of cubicles
- Internal segregation barriers and compartments manufactured using EG / GI steel sheets
- Eye bolts for ease of handling
- Type 7 cable boxes and plinth are offered as optional items
- Ingress Protection IP54
- Electrostatic Polyester Powder coated to RAL 7032-matt textured finish
- Forms of internal separation from Form 1 to Form 4



02

CONTROL RELAY & PROTECTION PANELS (CRP)

Scientechnic's CRP panels which are designed, engineered and manufactured in-house have been type tested and certified by DEKRA laboratory, the Netherlands, for Ingress Protection IP54

2.1 Control Relay & Protection Panel (CRP)



Overview

CRP Panels are widely used in the utility transmission and distribution segment



2.1 Control Relay & Protection Panel (CRP)



Overview

Quality of Sciencetechnic-CRP Panels meets with international standards. Sciencetechnic has the option to deliver either empty panels to clients or fully designed, engineered and assembled solutions suitable for substation related projects

Sciencetechnic CRP Panels are manufactured in both Fixed-frame and Swing Frame variants

Technical Specifications

- Panel standard size 2300(H) x 800(W) x 800(D) inclusive of plinth 100mm
- Material GI steel
- Top and bottom access top plate and gland plate
- Rear access door
- Paint shade outside panel : RAL 7032 textured
- Inside panel : RAL 9010
- Plinth : RAL 5004(black)
- Drawing pocket
- Panel frame 2.5mm thick
- Side mounted plate 2.5mm thick
- Front and rear door 2.5mm thick
- Side covers removable 2.5mm thick
- Panel plinth 3 mm thick
- Top plate removable 2.5mm thick
- Gland plate removable 3mm thick
- 19" Inch removable 3mm thick
- Door lock 4 point lock
- Door key provided
- Glass on front door 6mm toughened glass fixed with rubber gasket, glass dimensions as per Sciencetechnic standard. customized glass size available upon request
- Fan and filter on back door is optional
- Degree of protection IP54



03

LOCAL CONTROL CUBICLES (LCC)

Local Control Cubicles (LCC) are designed, engineered and manufactured locally in line with IEC standards, meeting global quality standards

3.1 Local Control Cubicles (LCC)

Overview

LCC are widely used in the Utility Sector – Transmission and Distribution Segments



Overview

Sciencetechnic has the option to deliver either empty cubicles or fully designed, engineered and assembled solutions suitable for medium, high and extra-high voltage sub-station projects

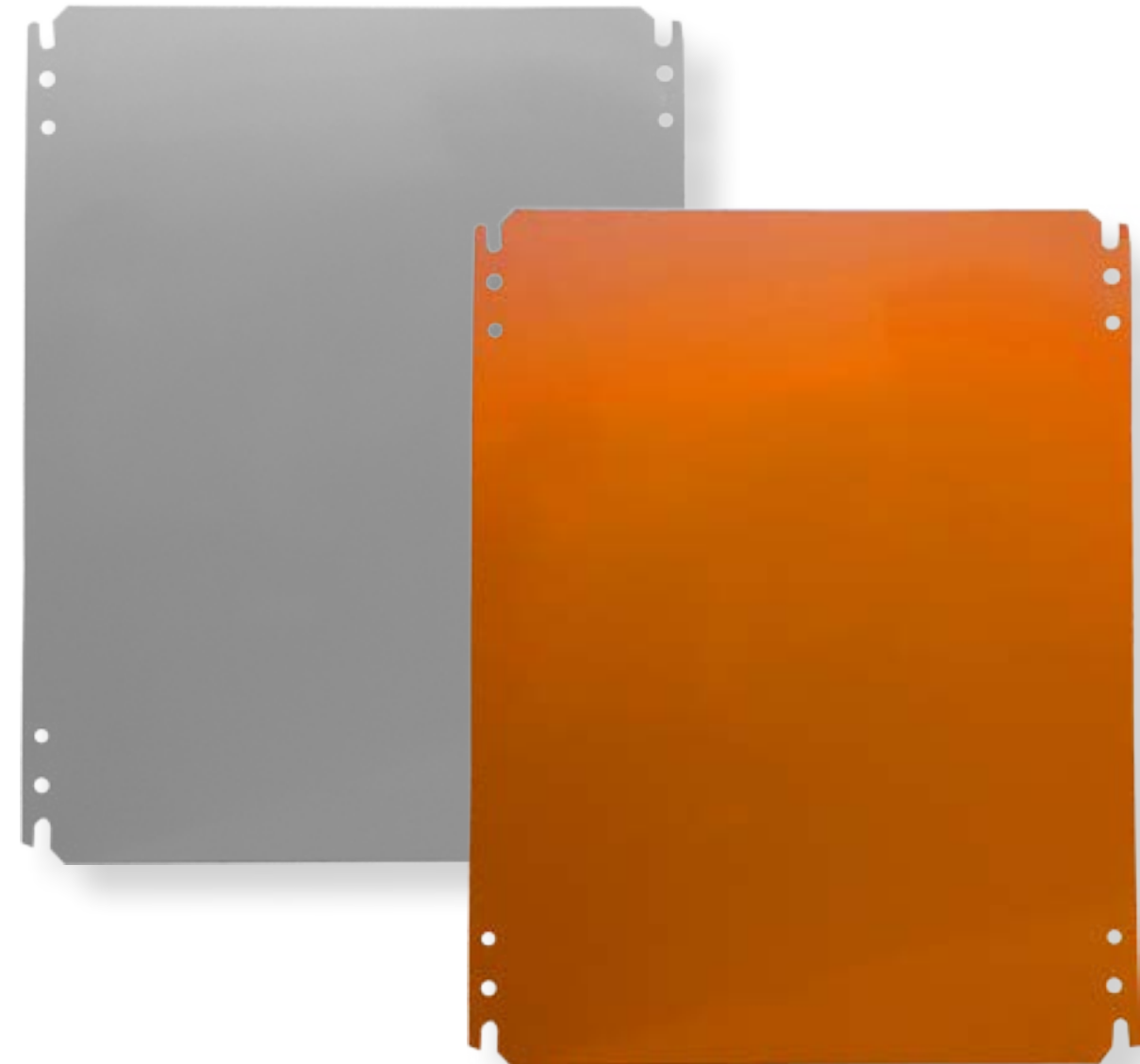
LCC are free standing enclosures manufactured in varying widths of 1200mm, 1500mm and 1600mm. LCC can be installed as individual units or can be coupled together

Technical Specifications

- Panel standard size 2300(H) x 800(W) x 800(D) inclusive of plinth 100mm
- Material GI steel
- Top and bottom access top plate and gland plate
- Rear access door
- Paint shade outside panel : RAL 7032 textured
- Inside panel : RAL 9010
- Plinth : RAL 5004(black)
- Drawing pocket
- Panel type sciencetechnic design
- Panel frame 2.5mm thick
- Side mounted plate 2.5mm thick
- Front and rear door 2.5mm thick
- Side covers removable 2.5mm thick
- Panel plinth 3mm thick
- Top plate removable 2.5mm thick
- Gland plate removable 3mm thick
- 19" Inch removable 3mm thick
- Door lock 4 point lock
- Door key provided
- Glass on front door 6mm toughened glass fixed with Rubber gasket, glass dimensions as per Sciencetechnic standard. Customized glass size available upon request
- Fan and filter on back door optional
- Degree of protection IP54

4.0 Mounting Plates

Technical Specifications



04

MOUNTING PLATES

Mounting plates supplied with Service Enclosures are suitable for mounting LV Switchgear and Control gear components

- Standard Mounting Plate supplied with fixing holes in 2mm thickness made of galvanized steel sheet
- Mounting Plate with fixing holes in 2mm thickness made of galvanized steel sheet and powder coated in RAL 2000 (Orange Colour) can also be made available upon request
- Mounting Plate with fixing holes in 2mm thickness made of zinc-plated steel sheet can also be made available upon request

PRODUCT RANGE

Fire Cabinets are compact with high universal quality standards

05

FIRE CABINETS

Fire Cabinets are manufactured in an attractive and compact design incorporating high quality standards. Fire Cabinets can be either surface or recessed mounted with architrave and swing action door capable of 180 degrees opening

طفاية حريق
Fire Extinguisher

بكرة خرطوم حريق
Fire Hose Reel

5.1 Breaching Inlet Cabinets

Overview



- Suitable for 2 Way X 4" inlet breaching valve or 4 way X 6" inlet breaching valve
- Breaching Cabinet supplied with wired mesh glass & rubber beading
- Cabinet door hinges can be either Round Cylinder Hinge or Piano Hinge
- Cabinet available for either Horizontal or Vertical mounting
- Breaching Cabinet available in either Mild Steel or Stainless Steel
- Mild Steel - Red polyester powder coated finish in either Surface or Flush Mounting type
- Stainless Steel (SS 304 or SS 316) - Brush or Mirror finish in either Surface or Flush Mounting type

5.2 Fire Extinguisher Single Door Cabinets

Overview



- Fire Extinguisher Single Door Cabinet available in either Mild Steel or Stainless Steel
- Mild Steel - Red polyester powder coated finish in either Surface or Flush Mounting type
- Stainless Steel (SS 304 or SS 316) - Brush or Mirror finish in either Surface or Flush Mounting type

5.3 Fire Hose Reel Single Door Cabinets

Overview



- Fire Hose Reel Single Door Cabinet available in either Mild Steel or Stainless Steel
- Mild Steel - Red polyester powder coated finish in either Surface or Flush Mounting type
- Stainless Steel (SS 304 or SS 316) - Brush or Mirror finish in either Surface or Flush Mounting type

5.4 Fire Extinguisher & Fire Hose Reel Vertical Double Door Cabinets

Overview



- Top Compartment suitable for Fire Hose Reel
- Bottom Compartment suitable for Fire Extinguishers
- Fire Extinguisher & Fire Hose Reel Vertical Double Door Cabinet available in either Mild Steel or Stainless Steel
- Mild Steel - Red polyester powder coated finish in either Surface or Flush Mounting type
- Stainless Steel (SS 304 or SS 316) - Brush or Mirror finish in either Surface or Flush Mounting type

5.5 Fire Extinguisher & Fire Hose Reel Horizontal Double Door Cabinets

Overview



- Larger Compartment suitable for Fire Hose Reel
- Smaller Compartment suitable for Fire Extinguishers
- Fire Extinguisher & Fire Hose Reel Horizontal Double Door Cabinet available in either Mild Steel or Stainless Steel
- Mild Steel - Red polyester powder coated finish in either Surface or Flush Mounting type
- Stainless Steel (SS 304 or SS 316) - Brush or Mirror finish in either Surface or Flush Mounting type

MARKET SEGMENT

- Electrical retailers and wholesalers
- Electrical panel builders
- Control Panel assemblers
- OEM
- System Integrators and IT Resellers
- MEP contractors
- Fire Alarm and Fire Fighting system contractors

CERTIFICATIONS



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