



Material Submittal for ALFANAR

PROJECT

XXXXXXXXXXXXXXXXXXXXXXX

CLIENT

XXXXXXXXXXXXXXXXXXXXXXX

CONSULTANT

XXXXXXXXXXXXXXXXXXXXXXX

MAIN CONTRACTOR

XXXXXXXXXXXXXXXXXXXXXXX

MEP CONTRACTOR

XXXXXXXXXXXXXXXXXXXXXXX

SUPPLIER

SMART SENSE SUPPLIES ME FZE

INDEX

- * SPECIFICATION REFERENCE
- * TEST CERTIFICATES
- * PREVIOUS APPROVAL
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- * GUARANTY AND DRAFT WARRANTY
- * SAMPLE BOARD
- * PRODUCT-CATALOUGE



SPECIFICATION REFERENCE



The information furnished shall include the following:

- Technical literature giving complete information of the equipment.
- Erection, Operation and maintenance manual complete with all relevant information, drawings and literature for auxiliary equipment and accessories, characteristics for relays etc.
- An equipment list with detailed specifications and make.

4.0 SUB MAIN DISTRIBUTION BOARD

Submain panel boards should be provided with minimum 2 no. pad locks with locks and key. **COMPLY**

- 4.1 The panel board shall be Wall mounting type constructed to BS EN 60439, Form 2, Type - 2 requirements. It shall be constructed of minimum 1.6mm thick electro- galvanized steel coated with high solid enamel polyester electrostatic spray and oven baked. The color shall be RAL 7032 (light grey) or equal. Doors locks shall be fitted. The degree of protection of the board shall be IP 54.

COMPLY

- 4.2 Busbars shall be of hard drawn, high conductivity tinned copper and rated for continuous operation. The phase bar, neutral bar and earth bar shall be identified by approved colour codes. The neutral bar shall be of the same cross section as the phase bus bar. A sub feed neutral assembly with a removable link for isolation shall be available as an integral part of the Distribution board. Earthing bar assembly shall also be available to facilitate the connection of earth continuity conductors.

COMPLY

- 4.3 All Circuit breakers, Metering and Busbar ratings shall be as per the load schedules and drawings. The main MCCB and the feeder breakers shall be of appropriate capacity.
- 4.4 Panel wiring, Terminal blocks and labels shall be as specified for the Main Distribution Boards.
- 4.5 Tests to be conducted on the SMDB before dispatch and the Drawings to be furnished is the same as specified for Main Distribution Boards.
- 4.6 Wall mounted SMDB shall be fixed on a U – channel support, and not direct to the wall.

5.0 MCB DISTRIBUTION BOARDS

- 5.1 Description

5.1.1 The specification hereunder shall be applied to all panel boards referenced on the drawings / load schedules as DB's. The distribution board shall be flush / surface mounted split busbar type and shall be provided with standard extension box to allow cable glanding if required. The distribution board shall be surface mounted when installed within the electrical room/service rooms. **COMPLY**

Distribution boards shall be provided with an isolator incomer with common ELCB's for group of lighting circuits and common ELCB's for group of power circuits for each section of MCB's or RCBO's for each power circuit as shown on schedules.

5.1.2 As a standard item, all MCB boards shall be provided with permanent circuit identification charts to the approval of the engineer.

5.1.3 MCB's shall comply with IEC – 898 and RCBO's shall comply with BSEN 61009. ELCB's shall comply with BSEN 61008.

5.1.4 DB's inside electrical rooms shall be surface mounted type fixed onto a U channel support.

TEST CERTIFICATE

Issued to: Alfamar Electrical Systems L.L.C.
P.O. Box 282735
Dubai
United Arab Emirates

For the product: Empty enclosure for low-voltage switchgear and controlgear assemblies

Trade name: Alfamar / Contactum

Type/Model: Metal enclosures with normal door

Ratings: IP66, IK10, indoor / outdoor
For more details see annex

Manufactured by: Alfamar Electrical Systems L.L.C.
P.O. Box 282735
Dubai
United Arab Emirates

Subject: Type tests

Requirements: IEC 62208:2011
Clauses 9.3, 9.4, 9.6, 9.7, 9.8, 9.11, 9.12, 9.13 and 9.14

Remarks: -

This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down in report no. 2190013.02-INC, dated 16 May 2017.

The examination has been carried out on one single specimen of the product, submitted by the manufacturer. The Attestation does not include an assessment of the manufacturer's production. Conformity of his production with the specimen tested by DEKRA is not the responsibility of DEKRA.

Am, 16 May 2017

Number: 2190013.101

DEKRA Certification B.V.



H.R.M. Barends
Certification Manager

Integral publication of this certificate and its reports is allowed

DEKRA Certification B.V. Meander 1051, 6825 M.
T +31 6 5185 6802 F +31 88 96 83100 www.dekra.nl

P.O. Box 5185, 6802 ED Arnhem, The Netherlands
Company registration 09085396

TEST CERTIFICATE

Issued to: Alfamar Electrical Systems L.L.C.
P.O. Box 282735
Dubai
United Arab Emirates

For the product: Empty enclosure for low-voltage switchgear and controlgear assemblies

Trade name: Alfamar / Contactum

Type/Model: Metal enclosures with normal door

Ratings: IP66, IK10, indoor / outdoor
For more details see annex

Manufactured by: Alfamar Electrical Systems L.L.C.
P.O. Box 282735
Dubai
United Arab Emirates

Subject: Type tests

Requirements: IEC 62208:2011
Clauses 9.3, 9.4, 9.6, 9.7, 9.8, 9.11, 9.12, 9.13 and 9.14

Remarks:

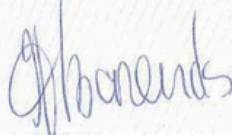
This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down in report no. 2190013.01-INC, dated 16 May 2017.

The examination has been carried out on one single specimen of the product, submitted by the manufacturer. The test does not include an assessment of the manufacturer's production. Conformity of his production with the specimen tested by DEKRA is not the responsibility of DEKRA.

Arnhem, 16 May 2017

Number: 2190013.100

DEKRA Certification B.V.



H.R.M. Barends
Certification Manager

Integral publication of certificate and adjoining documents allowed

DEKRA Certification B.V. | Under 1051, 6825 MJ Arnhem, The Netherlands | 202 ED Arnhem, The Netherlands
T 88 96 83000 F +31 8 6 83100 www.dekra-certificatie.nl | Con, | tation 09085396



TEST CERTIFICATE

Issued to: Alfamar Electrical Systems L.L.C.
P.O. Box 282735
Dubai
United Arab Emirates

For the product: Empty enclosure for low-voltage switchgear and controlgear assemblies

Trade name: Alfamar / Contactum

Type/Model: Metal enclosures with swing handle door

Ratings: IP66, IK10, indoor / outdoor
For more details see annex

Manufactured by: Alfamar Electrical Systems L.L.C.
P.O. Box 282735
Dubai
United Arab Emirates

Subject: Type tests

Requirements: IEC 62208:2011
Clauses 9.3, 9.4, 9.6, 9.7, 9.8, 9.9, 9.11, 9.12, 9.13 and 9.14

Remarks: -

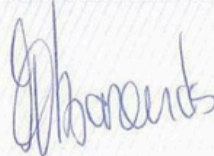
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The examination has been carried out on one single specimen of the product, submitted by the manufacturer. The Attestation does not include an assessment of the manufacturer's production. Conformity of his production with the specimen tested by DEKRA is not the responsibility of DEKRA.

16 May 2017

Number: 2190013.102

DEKRA Certification B.V.



H.R.M. Barends
Certification Manager

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P.O. Box 5185, 6802 ED Arnhem, The Netherlands
Company registration 09085396

PREVIOUS APPROVAL



Lead Consultants + Aedas +	Consultants Empl. Repr. : CONFLUENCE Architect : AEDAS ARCHITECTS LLC ID : AEDAS INTERIORS LIMITED Struc./MEP : CH2MHILL Lead Consultant : AEDAS ARCHITECTS LLC	 Main Contractor الفطيم كاريليون Al-Fatima Carillion																														
PROJECT: FIVE STAR HOTEL, Plot No. H24, (E12 - C42)-SARAYA, MINA ROAD, ABU DHABI, U.A.E.																																
REQUEST FOR SUBSTITUTION																																
Originator of Submittal:	Al Futaim Carillion LLC	RFS Ref. No. RFS-ECT-CC045-00006																														
Authorized Signature:	Chertan Pramod	Rev. No. 02																														
Item To Be Substituted:	LV Switchgear	RFS Raised Date: 10/01/2016																														
		Response Req. Date: 03/02/2016																														
Specification Title: Low Voltage Panel Section: 262300, 262400 & 263513 Page: Article/Paragraph:																																
Reason of Substitution: - Kindly note that our component is Schneider make which is project vendor and we proposed Al-Fanar one of the authorized panel builder from Schneider and ADDC. - Moreover we attached here the cost saving value because the panel builder not from the project vendor. - Reply to RFS 01 attached																																
Proposed Substitute: Manufacturer: Schneider Component & Al Fanar Enclosures Address: Abu Dhabi Phone#: 052-9424020 Trade Name: Al Fanar Model#: 1 Installer: Ecotherm Contracting LLC Address: Abu Dhabi Phone#: 1 History: ☐ New Product ☐ 2-5 Years old ☐ 5-10 Years old ☒ More than 10 Years old Technical Differences between proposed substitution and specified products:																																
☐ Point-by-point comparative data attached – REQUIRED BY THE ENGINEER																																
Similar Installation Of Proposed Substitute: Project: Abu Dhabi Community Mall Engineer: Shankland Cox Address: Abu Dhabi, UAE Owner: Date Installed: 02/08/2014		<table border="1"> <tr> <th colspan="2">Al-Fatima Carillion</th> </tr> <tr> <th colspan="2">CC045 - Hard Rock Hotel</th> </tr> <tr> <th>DISTRIBUTION</th> <th>As per</th> </tr> <tr> <td>Project Director</td> <td>✓</td> </tr> <tr> <td>Construction</td> <td>✓</td> </tr> <tr> <td>Electrical</td> <td>✓</td> </tr> <tr> <td>Environment</td> <td>✓</td> </tr> <tr> <td>Design</td> <td>✓</td> </tr> <tr> <td>MEP</td> <td>✓</td> </tr> <tr> <td>Safety</td> <td>✓</td> </tr> <tr> <td>Planning</td> <td>✓</td> </tr> <tr> <td>QA/QC</td> <td>✓</td> </tr> <tr> <td>Office Supervisor</td> <td>✓</td> </tr> <tr> <td>Doc. Control</td> <td>✓</td> </tr> <tr> <td>File</td> <td>✓</td> </tr> </table>	Al-Fatima Carillion		CC045 - Hard Rock Hotel		DISTRIBUTION	As per	Project Director	✓	Construction	✓	Electrical	✓	Environment	✓	Design	✓	MEP	✓	Safety	✓	Planning	✓	QA/QC	✓	Office Supervisor	✓	Doc. Control	✓	File	✓
Al-Fatima Carillion																																
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Safety	✓																															
Planning	✓																															
QA/QC	✓																															
Office Supervisor	✓																															
Doc. Control	✓																															
File	✓																															
Proposed substitution affects other parts of work / If yes explanation required: ☒ No ☐ Yes:																																
Cost & Time Impact: Cost: ☐ Additional ☒ Saving ☐ Neutral Amount: 54,000 AED Time: ☐ Additional ☐ Saving ☒ Neutral Days:																																
Supporting Data Attached: ☒ Product Data ☐ Drawings ☐ Tests ☐ Reports ☐ Samples ☒ Others ()																																



Mounir Askoul
KHATIB & ALAMI

Final (WF-001131) Submittal-MEP Material Submittal YESTERDAY
WORKFLOW TRANSMITT... KHA-WTRAN-003180



MAIL TYPE
Workflow Transmittal

MAIL NUMBER
KHA-WTRAN-003180

REFERENCE NUMBER
KHA-WTRAN-003180

Final (WF-001131) Submittal-MEP Material Submittal

From Mr Mounir Askoul - Khatib & Alami

To (3) Mr Imad Orailj - Construction Gen. Cont. House Ltd.
Mr Mounir Askoul - Khatib & Alami
Mr Mohammed Mandmi - Khatib & Alami

Cc (6) Mr Gilson Gonzales - Khatib & Alami
Mr Marwan Bilar - Yas Island - Project Delivery Team
Corazon Carelio - Yas Island - Project Delivery Team
Mr Samer Ghanem - Yas Island - Project Delivery Team
Mr Ramiz Mohajeri - Yas Island - Project Delivery Team
Kumaresh Murthy - Yas Island - Project Delivery Team

Sent Monday, 11 January 2016 3:25:15 PM GST (GMT +04:00)

Status N/A

Document Attachments (1)

Download	Actions	View File Properties	Update Register	
File	Document No	Revision	Revision Date	Title
☒	YAS-JA-CGC-EPO-SUB-MAT-00037	00	15/12/2015	ANSAM-Material Submittal for SMDB & Final DB's (Ms. Galaxy)
				Status
				B - Approved as Noted

Attributes

Attribute 1	Construction
Attribute 2	PHASE 1 - JA09 Residential Building, PHASE 1 - JA10 Residential Building, PHASE 1 - JA12 Residential Building
Attribute 3	A43200-2014-C-005 CGCH-Main Works Contract

Message

Workflow Review History

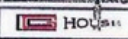
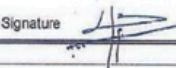
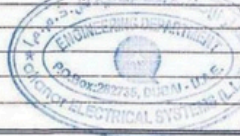
The attached documents have completed the "Submittal-MEP Material Submittal" workflow with the following results:

This transmittal was automatically generated.

<https://alder.aconex.com/Login>



1/

					
Ansam Development - Phase 1					
MATERIAL SUBMITTAL					
BUILDING JA-9 [x] . BUILDING JA-10 [x] . BUILDING JA-11 [x] . BUILDING JA-12 [x] . INFRA [x] . EXTERNAL [x]					
ACONEX DOCUMENT NO.	YAS-JA-CGC-EPO-SUB-MAT-00038	REV.	DATE	AUTHOR	
		01	19-Jan-16	CGC	
ISSUED BY: CGC HOUSE LTD			TO: Khatib and Alami		
MATERIAL AS PROPOSED BY CONTRACTOR			MATERIAL AS PER SPECIFICATION/BOQ/DRGS		
Description:	Manufacturer/Origin	Description:	Manufacturer/Origin:		
LV Panel & ESMD-B-G	Schneider / France	LV Panel & ESMD-B-G	Schneider / France		
	AL Fanar Electric		AL Fanar Electric		
Specifications Ref.: 26 24 13		BOQ Ref.:			
Attachments: Sample [] Technical data [x] Specs/BOQ copy [x] Estidama / Building [x] Estidama / Community [] Original Catalogues [x] Compliance Statement [x] Others []					
Subcontractor/Supplier: AL-Fanar Address: Abu Dhabi - UAE		RECEIVED 21 JAN 2016 			
CONTRACTOR'S SIGNATURE:  Construction PQP (EcoBuild) comments:		RECIPIENT'S SIGNATURE: Reviewed, no comments (A) ☐ Authority Approved (AA) ☐ Reviewed with comments (B) ☐ Revise & Resubmit (C) ☐ Commented (E) ☐			
Name: Bashar Hayati Signature:  The Engineer's comments: Refer to the comments marked on the attached sheet.		Date: 19/Jan/16 The Engineer's PQP comments: 03-02-16 Reviewed, no comments (A) ☐ Authority Approved (AA) ☐ Reviewed with comments (B) ☒ Revise & Resubmit (C) ☐ Commented (E) ☐			
Engineer Representative SIGNATURE:  DATE:					
The Project Manager/Client's comments:		Reviewed, no comments (A) ☐ Authority Approved (AA) ☐ Reviewed with comments (B) ☐ Revise & Resubmit (C) ☐ Commented (E) ☐			
Project Manager/Client's Representative SIGNATURE:  DATE:					

YAS-JA-CGC-EPO-SUB-MAT-00038 (form) / 03 / MSUB

Issue on: 1/19/2016

Mai Dubai  **AL SHAFAR CONTRACTING CO LLC**

Material Submittal

Project: Proposed G+3 Labor Camp Accommodations for 500 Labors
MAIDUBAI Water Bottling Facility on Plot No. 9227367 - Al Yalayis 2,
Dubai - U.A.E. Correspondence Ref. No. (ACS/S-180/MT/ELC-MTR-007)

Client: Mai Dubai LLC

Consultant: GEO Global Engineering Consultants

Distribution: Date: 20/1/2016

Response required by:

Mai Dubai - 1 Copy GEO - 1 Copy Al Shafar Cont. Co. LLC - 1 Copy

St. No.	Material Ref.	Description	Rev.	Copies Hard Soft	Remarks
	ELC-MTR-007	Switch gear	0	3 1	

GEO Global Engineering

Approved _____

Approved with comments _____

Revise & Resubmit _____

Rejected _____

Discipline: ☐ Architectural ☐ Structural ☒ Electrical ☐ Mechanical ☐ Others

Relevant Specification Section: _____

THIS SUBMITTAL INTENDED FOR: ☒ Approval ☐ Information ☐ Records

For Main Contractor: Name: AHMAD ABU HAMED Signature: _____

For MEP Contractor: Name: Feras Ahmad Signature: _____

For Consultant Use

Comments:

Approval Status: ☐ (A) Approved ☒ (B) Approved with Comments ☐ (C) Revised & Resubmit ☐ (D) Rejected

Name: _____ Signature: _____ Date: 20 JAN 2016

For Client Use

Comments:

Received Submittal: Consultant/Client: _____ Signature: _____ Date: 26 JAN 2016

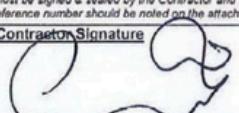
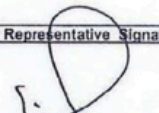
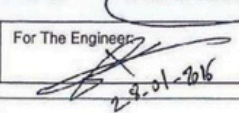
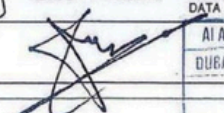
Received Commented Copy: Contractor

RECEIVED
20 JAN 2016

ELC-MTR-007
20 JAN 2016

Scanned by CamScanner



The Employer  DP DUBAI PROPERTIES دبي للعقارات	The Engineer  LACASA Architects & Engineering Consultants	The Contractor  ECC	The MEP Sub Contractor  Al Arabia الشركة العربية																		
DUBAI WHARF AT CULTURE VILLAGE , PLOT NO.P1-E025 AT JADAF , DUBAI																					
MATERIAL APPROVAL SUBMITTAL																					
Date: 20/1/2016		Reference: ECC/MAS/MEP-EL-16/16 rev. 01																			
Material Description: LV Switchgear (MDB's, SMDB's, CB's)																					
Model Number, Brand Or Code Of Proposed Material :		☒ Refer to the Attached Summary of Proposed Materials																			
Location Of Use: [i.e. floor, room, area]																					
Specification Section: 6.2																					
Manufacturer Details Name SCHNEIDER Country of origin FRANCE Address		Supplier Details Name Al Fanar Electrical Systems LLC Country & City Dubai, UAE Address																			
1. Compliance statement should be included in the submittal. 2. Copy of the Contract Specification Section should be included in the submittal 3. All sheets must be signed & sealed by the Contractor and the Specialist Subcontractor(s) 4. Submittal reference number should be noted on the attachments																					
MEP Sub Contractor Signature  Date: 20/1/2016		The Contractor Representative Signature  Date:																			
THE ENGINEER COMMENTS: - Refer To The attached comments sheet.																					
THE EMPLOYER COMMENTS:																					
ACTION: (As Marked) APPROVED ☒ APPROVED AS NOTED ☒ REVISE AND RESUBMIT ☐ SAMPLES AND/OR ADDITIONAL DATA REQUIRED ☐ NOT APPROVED ☐		ENGINEERING CONT. CO. LLC J 345 DUBAI WHARF PROJECT <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>DIST</th> <th>ACT.</th> <th>INFO</th> </tr> </thead> <tbody> <tr><td>HO</td><td></td><td></td></tr> <tr><td>SR.PM</td><td></td><td></td></tr> <tr><td>PM</td><td></td><td></td></tr> <tr><td>CM-1</td><td></td><td></td></tr> <tr><td>CM-2</td><td></td><td></td></tr> </tbody> </table>		DIST	ACT.	INFO	HO			SR.PM			PM			CM-1			CM-2		
DIST	ACT.	INFO																			
HO																					
SR.PM																					
PM																					
CM-1																					
CM-2																					
For The Engineer:  29-01-2016		Al Arabia Electrical Mechanical LLC DUBAI WHARF AT CULTURE VILLAGE 30 JAN 2016 																			
Appendix D2 (Rev.02)		Page 1 of 1 BY: H.M.S.W. LAC-SM-Feb. 2014																			

2/18/2016

Aconex

Doe No

Step

Participant

Review Outcome

Comments

155-MSUB-EL-167

ECH Review

S Zainoddin

Approved as Noted

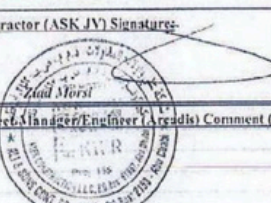
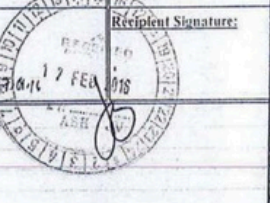
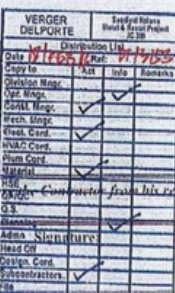
1- Interface with BMS shall be considered. 2- Subject to T&C final approval. 3- Subject to related shop drawings ADDC approval. 4- Warranty to be provided as per contract obligations. 5- Subject to ADDC final approval.

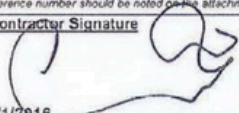
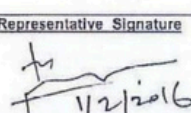
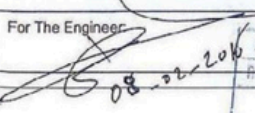


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2/2



ARCADIS		CHD		APG		ASK-JV																																																									
Project Supervision for natural and built assets		... in a quality and speed that will set the standard for the industry		... in a quality and speed that will set the standard for the industry		KIER																																																									
Saadiyat Rotana Hotel & Resort Complex																																																															
MATERIAL SUBMITTAL																																																															
DOCUMENT CODE	PROJECT #	DOCUMENT TYPE	TRADE CODE	REVISION NUMBER	REV.	DATE	AUTHOR																																																								
	155	MSUB	ELEC	167	1	27-Jan-16	N.Am																																																								
ISSUED BY: ASK - JV				TO: ARCADIS																																																											
MATERIAL AS PROPOSED BY CONTRACTOR				MATERIAL AS PER SPECIFICATION/BOQ/DWGS																																																											
Description/Location:		Manufacturer/Origin		Description/Location:		Manufacturer/Origin:																																																									
Capacitor Bank		Al Fanar Electric																																																													
*Usage Area:		Local Agent : Ms Al fanar																																																													
Specifications Ref.: 26 35 33																																																															
Attachments:		Sample []		Technical Data [X]																																																											
		Original Catalogues [X]		Compliance Statement [X]																																																											
Subcontractor/Supplier: M's Verger Delpont UAE Ltd.				Address: P.O. Box 27235, Dubai, UAE																																																											
Contractor (ASK JV) Signature:				Recipient Signature:																																																											
 				<table border="1"> <tr><td>Construction Mgr.</td><td></td></tr> <tr><td>Project Engineer</td><td></td></tr> <tr><td>Project Engineer</td><td></td></tr> <tr><td>Planning Director</td><td></td></tr> <tr><td>Planning Manager</td><td></td></tr> <tr><td>QA/QC Manager</td><td></td></tr> <tr><td>Project HSE Mgr.</td><td></td></tr> <tr><td>Safety Officer</td><td></td></tr> <tr><td>QA/QC Mgr.</td><td></td></tr> <tr><td>QA/QC Engr.</td><td></td></tr> <tr><td>Technical/Design Mgr.</td><td></td></tr> <tr><td>Architectural Engr.</td><td></td></tr> <tr><td>Structural Engr.</td><td></td></tr> <tr><td>MEP. Pad</td><td></td></tr> <tr><td>MEP Coordinator</td><td></td></tr> <tr><td>Procurement Dept.</td><td></td></tr> <tr><td>Commercial Manager</td><td></td></tr> <tr><td>OS Dept.</td><td></td></tr> <tr><td>Cost Control Dept.</td><td></td></tr> <tr><td>Purchasing Dept.</td><td></td></tr> <tr><td>Accounts Dept.</td><td></td></tr> <tr><td>Admin / PRO</td><td></td></tr> <tr><td>I.T. Dept.</td><td></td></tr> <tr><td>Store Keeper</td><td></td></tr> <tr><td>Time Keeper</td><td></td></tr> <tr><td>Docs Control</td><td></td></tr> <tr><td>Secretary</td><td></td></tr> <tr><td>Date</td><td>17/2/16</td></tr> </table>				Construction Mgr.		Project Engineer		Project Engineer		Planning Director		Planning Manager		QA/QC Manager		Project HSE Mgr.		Safety Officer		QA/QC Mgr.		QA/QC Engr.		Technical/Design Mgr.		Architectural Engr.		Structural Engr.		MEP. Pad		MEP Coordinator		Procurement Dept.		Commercial Manager		OS Dept.		Cost Control Dept.		Purchasing Dept.		Accounts Dept.		Admin / PRO		I.T. Dept.		Store Keeper		Time Keeper		Docs Control		Secretary		Date	17/2/16
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Date	17/2/16																																																														
Project Manager/Engineer (Arcadis) Comment (s):																																																															
 																																																															
Note: "The above comments /no objection/approval does not release the contractor from his responsibilities/ obligations under the condition of contract"				Approved ☐ Approved As Noted ☒ Revise & Resubmit ☐ Rejected ☐																																																											
Project Manager/Engineer (Arcadis) Representative:				Date:																																																											
AL FANAR																																																															

The Employer 	The Engineer 	The Contractor 	The MEP Sub Contractor 
DUBAI WHARF AT CULTURE VILLAGE , PLOT NO.P1-E025 AT JADAF , DUBAI			
MATERIAL APPROVAL SUBMITTAL			
Date: 31/1/2016		Reference: ECC/MAS/MEP-EL-35/16 rev. 00	
Material Description: Motor Control Center (MCC) Panels			
Model Number, Brand Or Code Of Proposed Material :		✓ Refer to the Attached Summary of Proposed Materials	
Location Of Use: [i.e. floor, room, area]			
Classification Section: 6.2			
Manufacturer Details Name: <u>Schneider Electric / Teknic / Al Fanar</u> Country of origin: <u>France / Poland / Spain / Indonesia / India / UAE</u> Address:		Supplier Details Name: <u>Al Fanar</u> Country & City: <u>Dubai, UAE</u> Address:	
1. Compliance statement should be included in the submittal. 2. Copy of the Contract Specification Section should be included in the submittal. 3. All sheets must be signed & sealed by the Contractor and the Specialist Subcontractor(s). 4. Submittal reference number should be noted on all attachments.			
MEP Sub Contractor Signature 		The Contractor Representative Signature 	
Date: 31/1/2016		Date: 1/2/2016	
THE ENGINEER COMMENTS: Refer To the attached comments sheet.			
THE EMPLOYER COMMENTS: - REFER ATTACHED COMMENTS			
ACTION: (As Marked) APPROVED ☒ APPROVED AS NOTED ☒ REVISE AND RESUBMIT ☐ SAMPLES AND/OR ADDITIONAL DATA REQUIRED ☐ NOT APPROVED ☐			
For The Engineer  08-2-2016		RECEIVED Time at 11 FEB 2016 ENGINEERING CONT. CO. LLC Job # 345	
Appendix D2 (Rev.02)		Page 1 of 1 LAC-SM-Feb. 20	
RECEIVED BY: <u>Dubai-8:W</u>		13 FEB 2016	
		1/2/16	
		Al Arabia	

Lead Consultants + + Aedas + +	Consultants Empl. Repr. : CONFLUENCE Architect : AEDAS ARCHITECTS LLC ID : AEDAS INTERIORS LIMITED Struc./MEP : CH2MHILL Lead Consultant : AEDAS ARCHITECTS LLC		Main Contractor الفخيم كاريلون Al-fahim Carillion
PROJECT: FIVE STAR HOTEL, Plot No. H24, (E12 - C42)-SARAYA, MINA ROAD, ABU DHABI, U.A.E.			
REQUEST FOR SUBSTITUTION			
The Contractor Certifies And Undertakes That:			
☒ Same warranty will be furnished for proposed substitution as for specified product. ☒ Same maintenance service and source of replacement parts, as applicable is available. ☒ Cost data as stated above is complete. Claims for additional costs related to accepted substitution which may subsequently become apparent are to be waived. Other costs to other disciplines and/or contractors shall be borne by the Contractor. ☒ Proposed substitution does not affect dimensions and functional clearances. ☒ Payment will be made for changes to building design, including architectural or engineering design, detailing, and construction cost including authorities approvals, caused by the requested substitution. ☒ Coordination, installation, and changes in the Work as necessary for accepted substitution will be complete in all respects.			
Requested By: Cherian Pramod		Date: 10/01/2016	
Comments:			
Engineer In Charge: Sharmina KV		Date: 21-Jan-2016	
QS Consultant:		Date:	
Client Approval: ☐ Required ☐ Not Required			
Remarks			
			
Client Representative:		Date:	



Website fahidi.ae
 Phone 04 268 6339
 Email weCare@fahidi.ae
 P.O. Box 20079, Dubai
 TRN 100287872400003

Materials Approval Form

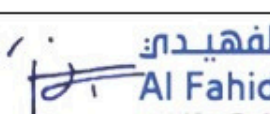
Submittal No	MT.AR.08	Rev.	00	Date	25/05/2024	☒ New Submittal ☐ Re-submittal
Plot No.	71110742					
Project Title	PROPOSED (G+1+ROOF+DRIVER ROOM) VILLA					
Client	MR. ABDULLAH IBRAHIM AHMED ALJASMI					
Contractor	MIMAR BUILDING CONTRACTING L.L.C.					
Subcontractor / Supplier	SMART SENSE SUPPLIES					

Description		DB (AL FANAR BRAND)			
Attachments		☐ Sample ☐ Technical Data ☐ QA/QC Reports ☐ Method statement ☐ Other			
Area of application / Location					
Specs Ref.		Dwg. Ref.		BOQ Ref.	

Contractor's Attestation

Material submittal comply with Contract Documents	☒ Yes ☐ Alternative
Details if alternative	
Submission Date: 25/05/2024	Contractor Representative: Eng/ Karim Yasser 

For Consultant:

Comments:	
Approved to proceed with AL Fanar DB Enclosure DB's sizes to be as per Dewa as built Approval	
Status: ☐ Approved ☒ Approved with comments ☐ Rejected	Consultant Engineer: 28-05-2024 

Note: Consultant permission to proceed does not absolve the contractor, their subcontractors and suppliers from full compliance with contractual obligations including the quality or final product.



TRADE LICENSE



شهادة شهر قيد شركة في السجل التجاري

Commercial Register

تفاصيل القيد / Register Details				
Main Lice. Nr	578785	رقم الرخصة الأم	Register No.	79293
Company Name	شركة الفانار التجارية (شركة ذات مسؤولية محدودة)			
Legal Type	Limited Liability Company(LLC)	الشكل القانوني	ذات مسؤولية محدودة	
Expiry Date	28/03/2025	تاريخ الانتهاء	Reg. Date	11/03/2006
D&B D-U-N-S No.		الرقم العالمي	561419024	
تفاصيل رأس المال / Capital Details				
Nominated	500,000.00	الاسمى		
Paid	500,000	المدفوع		
No. of Shares	0	عدد الأسهم		
Currency	UAE Dirhams	العملة	درهم اماراتي	
عنوان الرخصة / License Address				
مستودع رقم 1 ملك عقارات حكومة دبي - القصيص الصناعية				
عنوان السجل التجاري / Commerce Address				
مستودع رقم 1 ملك عقارات حكومة دبي - القصيص الصناعية				
النشطة السجل / Register Activities				
Electrical Fittings Trading				
تجارة ادوات التمديدات الكهربائية				

Print Date	28/03/2024	11:16	تاريخ الطباعة	Receipt No.	15650234	رقم الإيصال
يمكنك الآن تجديد رخصتك التجارية من خلال الرسائل النصية القصيرة، أرسل رقم الرخصة إلى 6969 (دو/اتصالات) للحصول على إذن الدفع. Now you can renew your trade license by sending a text message (SMS). Send your trade license number to 6969 (Du/ Etisalat) to receive payment voucher. Get FREE access to Zoho One for the first year احصل على زوهو ون مجاناً للسنة الأولى Zoho.com/det وثيقة إلكترونية معتمدة وصادرة بدون توقيع من دائرة الاقتصاد والسياحة في دبي. لمراجعة صحة البيانات الواردة في الرخصة يرجى منح رمز الاستجابة السريعة this is a certified e-document issued without signature by the department of Economy and Tourism. Kindly Scan the QR Code to Verify the certificate						

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أصحاب الرخصة / License Partners

Share / الحصص	Sr. No./مستلم الشخص	Nationality / الجنسية	Name / الاسم
47.6000000%	14048	السعودية / Saudi Arabia	عبد السلام بن محمد / Abdulsalam Mohammed M Almutlaq
37.4000000%	54833	السعودية / Saudi Arabia	صباح محمد بن مطلق المطلق
15.0000000%	37701	السعودية / Saudi Arabia	هشام بن محمد بن مطلق المطلق

Print Date 28/03/2024 11:16 تاريخ الطباعة Receipt No. 15650234 رقم الإيصال



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رخصة تجارية Commercial License

تفاصيل الرخصة / License Details

License No.	578785	رقم الرخصة
Company Name	AL FANAR TRADING CO (L. L. C)	اسم الشركة
Trade Name	AL FANAR TRADING CO (L. L. C)	الاسم التجاري
Legal Type	Limited Liability Company(LLC)	الشكل القانوني
Expiry Date	28/03/2025	تاريخ الانتهاء
D&B D-U-N-S ®	561419024	الرقم العالمي
Register No.	79293	رقم السجل التجاري
Issue Date	29/03/2006	تاريخ الإصدار
Main License No.	578785	رقم الرخصة الأم
DCCI No.	106078	عضوية الغرفة

الأطراف / License Members

Share / الحصص	Role / الصفة	Nationality / الجنسية	Name / الاسم	No. / رقم الشخص
	Manager / مدير	Saudi Arabia / السعودية	صباح محمد بن مطلق المطلق	54833
	Manager / مدير	Saudi Arabia / السعودية	عبدالسلام بن محمد بن مطلق المطلق	14048
	Manager / مدير	Saudi Arabia / السعودية	هشام بن محمد بن مطلق المطلق	37701

نشاطات الرخصة التجارية / License Activities

Electrical Fittings Trading

تجارة ادوات التمديدات الكهربائية

العنوان / Address

Phone No	971-4-8850332	تليفون	P.O. Box	15874	صندوق بريد
Fax No	971-4-8580336	فاكس	Parcel ID	248-409	رقم القطعة
Mobile No	971-50-4518980	هاتف متحرك	Email		البريد الإلكتروني

مستودع رقم 1 ملك عقارات حكومة دبي - التصييص الصناعية

الملاحظات / Remarks

Print Date 28/03/2024 11:16 تاريخ الطباعة Receipt No. 15650234 رقم الإيصال



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37.4000000%	204972	السعودية / Saudi Arabia	صباح بن محمد بن مطلق المطلق
15.0000000%	37701	السعودية / Saudi Arabia	هشام بن محمد بن مطلق المطلق
0.0000000%	37701	السعودية / Saudi Arabia	هشام بن محمد بن مطلق المطلق

Print Date 23/05/2024 11:02 تاريخ الطباعة Receipt No. 15770285 رقم الإيصال



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GUARANTY & WARRANTY DRAFT



Our Ref: XX/XXXX/2024

Date: 15/08/2024

TO WHOMSOEVER IT MAY CONCERN

Dear Sir,

SUBJECT : DRAFT WARRANTY

Project : P-354 Golf Academy Back Of House - Block A, Building 1 (G+1+R) & Building 2 (G+R) on Plot No. 388-6736 @ Al Thanyah 3rd, Emirates Golf Course, Dubai
Client : M/s. Al Wasl LLC
Consultant : M/s. Golden Square Engineering Consultants
Contractor : M/s. Sumer Contracting Co. LLC
MEP Contractor : M/s. Union Falcon

We hereby confirm ALFANAR ENCLOSURES to be used in the above Project, has a warranty for a period of 1 year from the date of delivery against any Manufacturing or Workmanship defects limited to supply.

We undertake the repair/replacement, at its discretion, of the supplied ALFANAR ENCLOSURES due to faulty material or workmanship during the above duration. Any attempt by the customer to modify or dismantle the product in any way will invalidate this warranty. Damage due to normal wear and tear, faulty installation, and/or improper maintenance is not covered by this warranty.

Hope this letter clarifies your query.

Thanking and assure you of our best of service at all times.

Yours Faithfully,
For **SMART SENSE SUPPLIES**



SAMPLE



TO BE SUBMITTED



PRODCUT CATALOGUE



alfanar METAL ENCLOSURES

UP TO IP66



www.alfanar.com



S1, WAREHOUSE, 17th STREET, UMM RAMOOL, RASHIDIYA DUBAI-UAE
Tel:042546843,Mob:0565256961.
Email-online@smartsense.asia | Website: www.smartsense.asia



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Introduction

alfanar Metals is a market leader in the highly specialized area of professional enclosures and cabinets for industrial applications. Projects range from residential/commercial to mega utility, to design/build/commission projects.

Working in difficult environments without the right protection will deteriorate your electrical installation. alfanar metal enclosures are rated for high ingress protection against entry of dust, dirt, oil and water making them well suited for wet environments.

Industries Served

alfanar Metal Enclosures are designed to accommodate various types of switchgear and controlgear assemblies to suit a variety of electrical installations in commercial and industrial premises.



Wind



Solar



Water



Electrical



Oil & Gas



Transportation



Utility



Construction



Education



Residential



Hospitals



Manufacturing

Assembly and Production

Our enclosures are manufactured with a quick turnaround time for your orders. Our factory is equipped and capable of handling both small custom orders and large orders for mega projects.

Professional Engineering Support

We have the experience, and our staff has the vast knowledge to design and execute your order and provide you with advice on design and construction.



Applications

From small boxes to large suitable floor-standing enclosures, with the special range you can find the perfect fit for your specific needs to better suit the installation environment.

alfanar enclosures are primed, painted, and powder coated for strength, providing corrosion and humidity protection to prevent rusting caused by moisture. The tight seal of the enclosure prevents dust and water from entering the panels and wiring.

Customized enclosures can be built to your exact specifications, including:

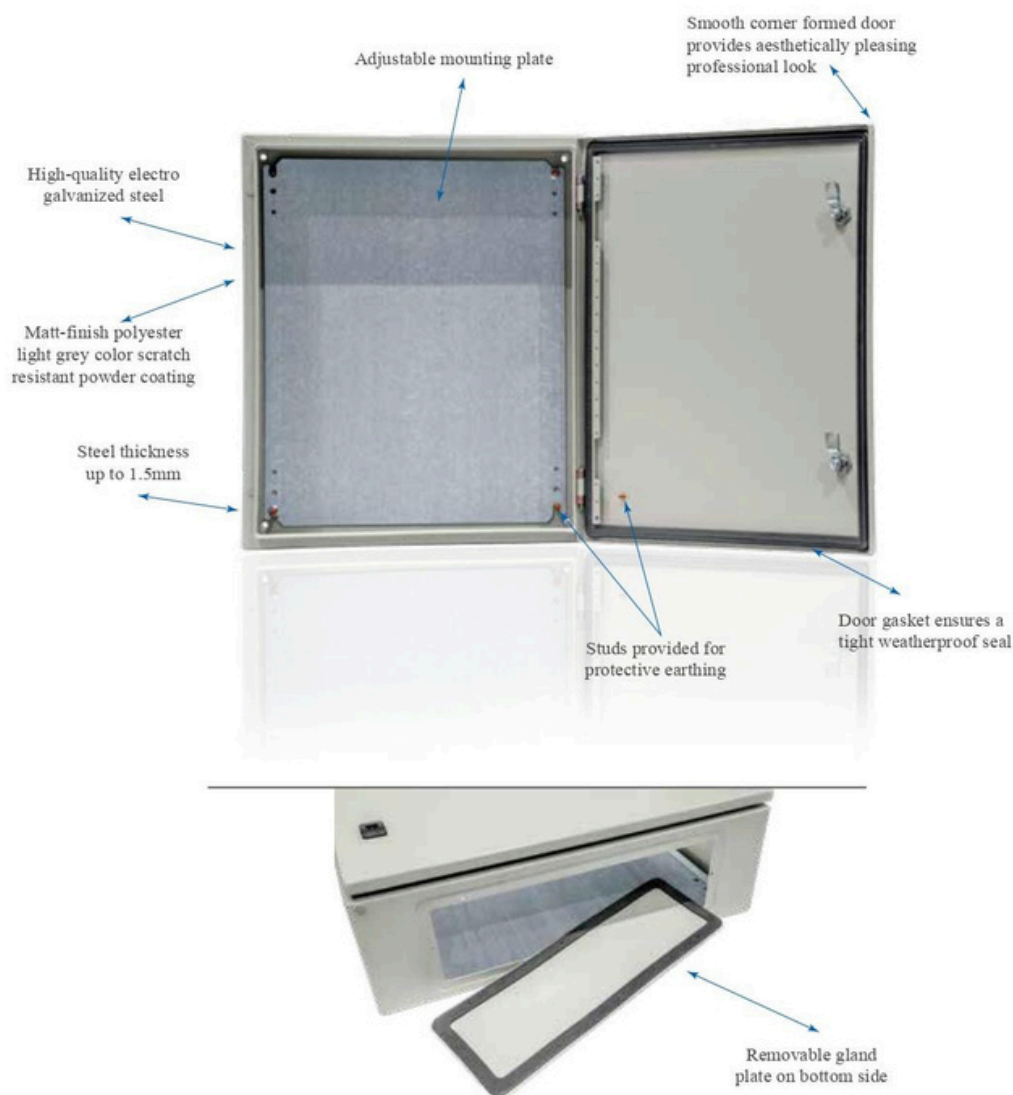
- Sizes
- Wall-mount (flush and surface), floor-mount, and freestanding
- Material thickness
- Door type
- Protective covers and locks
- Windows
- Cut-outs
- Mounting and gland plates
- Colors



Product Description

alfanar metal enclosures feature seamless corners with a secure outer door that swings open and serves as a protective cover. The clean design of the panel door makes it a presentable part of the Building .

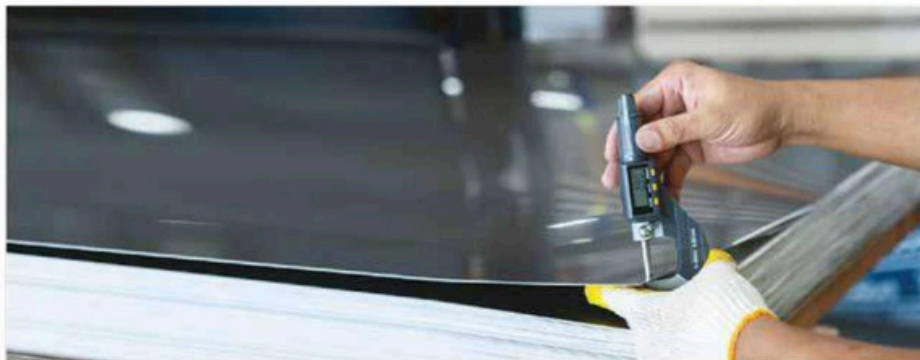
Depending on the model, one or two gland plates are located on the bottom of the enclosure. Several models are available for different applications – indoor, outdoor, commercial, industrial, as well as specialized designs.



Quality and Testing

alfanar metal enclosures are safe for both residential and commercial installations. alfanar's program of inspection, verification, and testing monitors all our product's quality and performance requirements throughout the production process.

alfanar metal enclosures are type tested as per the international standards to ensure a higher level of safety when used by consumers. These certifications mean the enclosures have been independently tested and verified by a panel of independent experts adhering to the industry standards for safety that they represent.



Product Range



Single Door Enclosure Type SB, SBX



Stainless Steel Enclosure



Double Door Enclosure, Type SBY



Metering Enclosure



Transparent Door Enclosure



Extendable Enclosure

Metal Enclosures up to IP66

SB, SBX, SBY Range



SPECIFICATIONS

- Made of high quality electro-galvanized (EG) steel sheet thickness up to 1.5mm
- Polyester powder coated light grey color RAL7032. Other colors available upon request
- Standard mounting plate 2mm thickness with anti-corrosion protection (hot dipped galvanized steel / Alu Zinc material)
- Type tested in accordance with IEC 60529/62208 standards
- Complies with CE standards
- Degree of protection up to IP66
- Suitable installation for wall & floor mounting

FEATURES

- Earthing studs are provided on both the enclosure and the door (Figure - 1)
- Formed in place polyurethane gasket for reliable sealing (Figure - 2)
- Corner formed door ensures better weatherproofing and is aesthetically appealing. Special profiled lip for better waterproofing (Figure - 3)
- Easily removable hinges, ideal for changing the door opening direction (for certain sizes)
- Metal keys and locking mechanism for durability (Figure - 4)
- A kit containing assembly hardware and instruction manual is provided with the enclosure



Figure - 1



Figure - 2



Figure - 3

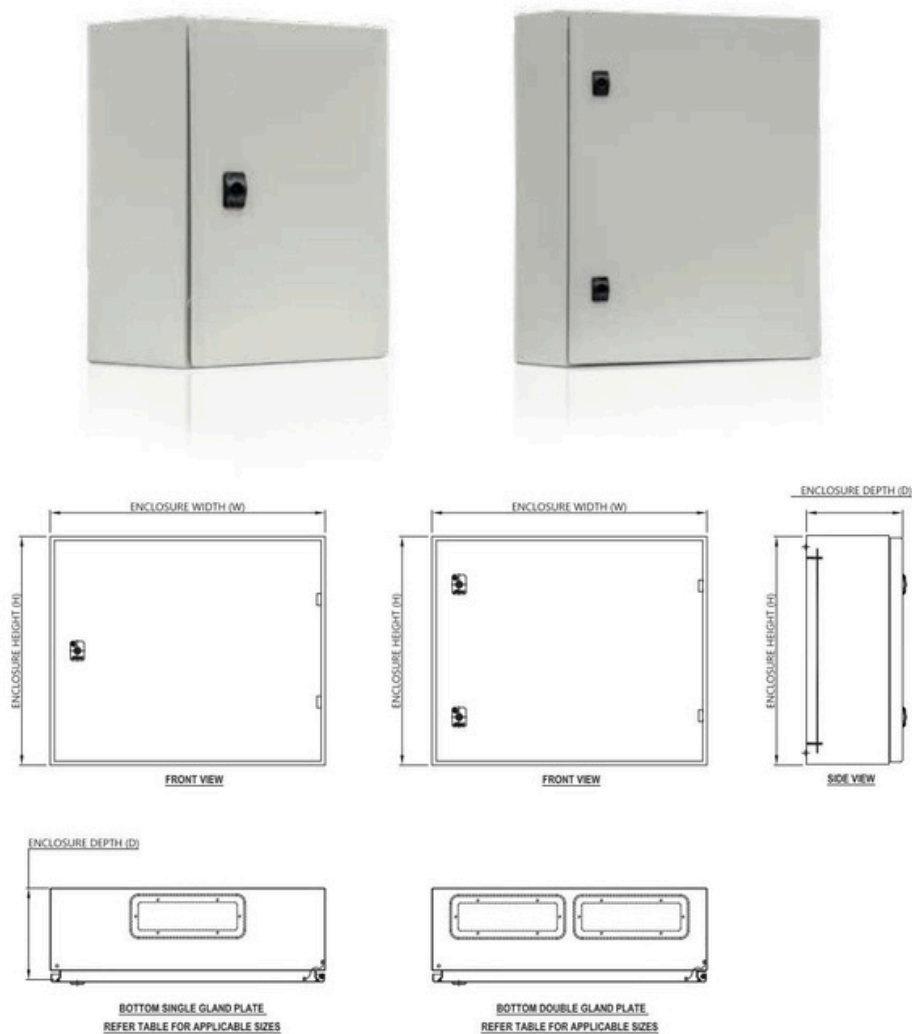


Figure - 4

1. Single Door Enclosures IP66

SB Range

alfanar SB range is a single door metal enclosure, designed with 1 or 2 points cam locks, available with maximum dimensions up to 800*800 mm.

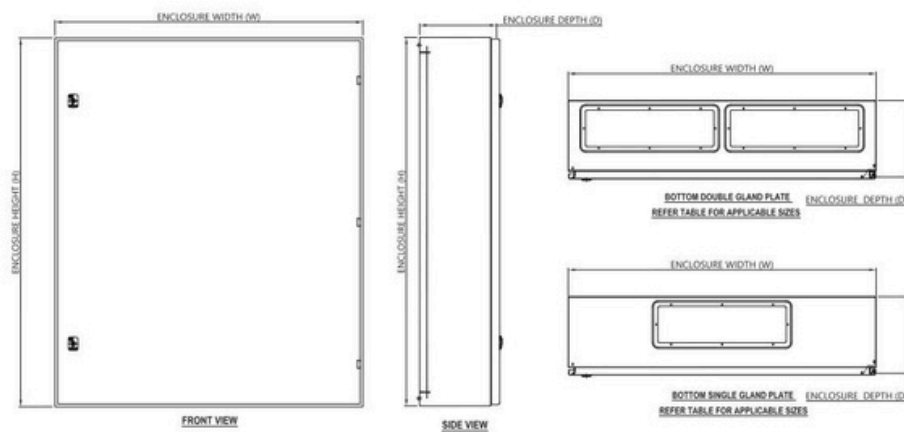


Single Door Enclosures - SB Range						
ITEM CODE	H	W	D	THICKNESS		NO OF GLAND PLATES BOTTOM
				ENCLOSURE	MOUNTING PLATE	
1 47-SB202015D	200	200	150	1.2	2.0	1
2 47-SB252015D	250	200	150	1.2	2.0	1
3 47-SB252515D	250	250	150	1.2	2.0	1
4 47-SB302015D	300	200	150	1.2	2.0	1
5 47-SB302515D	300	250	150	1.2	2.0	1
6 47-SB302520D	300	250	200	1.2	2.0	1
7 47-SB303015D	300	300	150	1.2	2.0	1
8 47-SB303020D	300	300	200	1.2	2.0	1
9 47-SB402520D	400	250	200	1.2	2.0	1
10 47-SB403015D	400	300	150	1.2	2.0	1
11 47-SB403020D	400	300	200	1.2	2.0	1
12 47-SB404015D	400	400	150	1.2	2.0	1
13 47-SB404020D	400	400	200	1.2	2.0	1
14 47-SB404015D	400	400	250	1.2	2.0	1
15 47-SB406015D	400	600	150	1.2	2.0	2
16 47-SB406020D	400	600	200	1.2	2.0	1
17 47-SB406025D	400	600	250	1.2	2.0	1
18 47-SB406030D	400	600	300	1.2	2.0	1
19 47-SB504015D	500	400	150	1.2	2.0	1
20 47-SB504020D	500	400	200	1.2	2.0	1
21 47-SB504025D	500	400	250	1.2	2.0	1
22 47-SB504030D	500	400	300	1.2	2.0	1
23 47-SB505015D	500	500	150	1.2	2.0	2
24 47-SB505020D	500	500	200	1.2	2.0	1
25 47-SB505025D	500	500	250	1.2	2.0	1
26 47-SB505030D	500	500	300	1.2	2.0	1
27 47-SB604015D	600	400	150	1.2	2.0	1
28 47-SB604020D	600	400	200	1.2	2.0	1
29 47-SB604025D	600	400	250	1.2	2.0	1
30 47-SB604030D	600	400	300	1.2	2.0	1
31 47-SB605015D	600	500	150	1.2	2.0	2
32 47-SB605020D	600	500	200	1.2	2.0	1
33 47-SB605025D	600	500	250	1.2	2.0	1
34 47-SB605030D	600	500	300	1.2	2.0	1
35 47-SB606015D	600	600	150	1.2	2.0	2
36 47-SB606020D	600	600	200	1.2	2.0	1
37 47-SB606025D	600	600	250	1.2	2.0	1
38 47-SB606030D	600	600	300	1.2	2.0	1
39 47-SB705015D	700	500	150	1.2	2.0	2

Single Door Enclosures - SB Range						
ITEM CODE	H	W	D	THICKNESS		NO OF GLAND PLATES BOTTOM
				ENCLOSURE	MOUNTING PLATE	
40 47-SB705020D	700	500	200	1.2	2.0	1
41 47-SB705025D	700	500	250	1.2	2.0	1
42 47-SB705030D	700	500	300	1.2	2.0	1
43 47-SB706015D	700	600	150	1.5	2.0	2
44 47-SB706020D	700	600	200	1.5	2.0	1
45 47-SB706025D	700	600	250	1.5	2.0	1
46 47-SB706030D	700	600	300	1.5	2.0	1
47 47-SB707015D	700	700	150	1.5	2.0	2
48 47-SB707020D	700	700	200	1.5	2.0	1
49 47-SB707025D	700	700	250	1.5	2.0	1
50 47-SB707030D	700	700	300	1.5	2.0	1
51 47-SB804015D	800	400	150	1.5	2.0	1
52 47-SB804020D	800	400	200	1.5	2.0	1
53 47-SB804025D	800	400	250	1.5	2.0	1
54 47-SB804030D	800	400	300	1.5	2.0	1
55 47-SB806015D	800	600	150	1.5	2.0	2
56 47-SB806020D	800	600	200	1.5	2.0	1
57 47-SB806025D	800	600	250	1.5	2.0	1
58 47-SB806030D	800	600	300	1.5	2.0	1
59 47-SB806040D	800	600	400	1.5	2.0	1
60 47-SB808015D	800	800	150	1.5	2.0	2
61 47-SB808020D	800	800	200	1.5	2.0	2
62 47-SB808025D	800	800	250	1.5	2.0	2
63 47-SB808030D	800	800	300	1.5	2.0	2

2. Single Door Enclosures IP66 SBX Range - 2 Points Cam Lock

alfanar SBX-2 points range is a single door metal enclosure, designed with two points cam locks, available with maximum dimensions up to 1600*1000 mm.



Single Door Enclosures - SBX Range - 2 Points Cam Lock						
ITEM CODE	H	W	D	THICKNESS		NO OF GLAND PLATES BOTTOM
				ENCLOSURE	MOUNTING PLATE	
1 47-SBX104015D	1000	400	150	1.5	2.0	1
2 47-SBX106015D	1000	600	150	1.5	2.0	2
3 47-SBX106020D	1000	600	200	1.5	2.0	1
4 47-SBX106025D	1000	600	250	1.5	2.0	1
5 47-SBX106030D	1000	600	300	1.5	2.0	1
6 47-SBX106040D	1000	600	400	1.5	2.0	1
7 47-SBX108015D	1000	800	150	1.5	2.0	2
8 47-SBX108020D	1000	800	200	1.5	2.0	2
9 47-SBX108025D	1000	800	250	1.5	2.0	2
10 47-SBX108030D	1000	800	300	1.5	2.0	2
11 47-SBX108040D	1000	800	400	1.5	2.0	2
12 47-SBX101025D	1000	1000	250	1.5	2.0	2
13 47-SBX101030D	1000	1000	300	1.5	2.0	2
14 47-SBX126020D	1200	600	200	1.5	2.0	1
15 47-SBX126025D	1200	600	250	1.5	2.0	1
16 47-SBX126030D	1200	600	300	1.5	2.0	1
17 47-SBX128015D	1200	800	150	1.5	2.0	2
18 47-SBX128020D	1200	800	200	1.5	2.0	2
19 47-SBX128025D	1200	800	250	1.5	2.0	2
20 47-SBX128030D	1200	800	300	1.5	2.0	2
21 47-SBX128040D	1200	800	400	1.5	2.0	2
22 47-SBX121025D	1200	1000	250	1.5	2.0	2
23 47-SBX121030D	1200	1000	300	1.5	2.0	2
24 47-SBX146015D	1400	600	150	1.5	2.0	2
25 47-SBX146020D	1400	600	200	1.5	2.0	2
26 47-SBX146025D	1400	600	250	1.5	2.0	1
27 47-SBX146030D	1400	600	300	1.5	2.0	1
28 47-SBX146035D	1400	600	350	1.5	2.0	1
29 47-SBX146040D	1400	600	400	1.5	2.0	1
30 47-SBX148015D	1400	800	150	1.5	2.0	2
31 47-SBX148020D	1400	800	200	1.5	2.0	2
32 47-SBX148025D	1400	800	250	1.5	2.0	2
33 47-SBX148030D	1400	800	300	1.5	2.0	2
34 47-SBX148035D	1400	800	350	1.5	2.0	2
35 47-SBX148040D	1400	800	400	1.5	2.0	2
36 47-SBX141025D	1400	1000	250	1.5	2.0	2
37 47-SBX141030D	1400	1000	300	1.5	2.0	2

Single Door Enclosures - SBX Range - 2 Points Cam Lock						
ITEM CODE	H	W	D	THICKNESS		NO OF GLAND PLATES BOTTOM
				ENCLOSURE	MOUNTING PLATE	
38 47-SBX141040D	1400	1000	400	1.5	2.0	2
39 47-SBX166015D	1600	600	150	1.5	2.0	2
40 47-SBX166020D	1600	600	200	1.5	2.0	2
41 47-SBX166025D	1600	600	250	1.5	2.0	1
42 47-SBX166030D	1600	600	300	1.5	2.0	1
43 47-SBX166035D	1600	600	350	1.5	2.0	1
44 47-SBX166040D	1600	600	400	1.5	2.0	1
45 47-SBX168015D	1600	800	150	1.5	2.0	2
46 47-SBX168020D	1600	800	200	1.5	2.0	2
47 47-SBX168025D	1600	800	250	1.5	2.0	2
48 47-SBX168030D	1600	800	300	1.5	2.0	2
49 47-SBX168035D	1600	800	350	1.5	2.0	2
50 47-SBX168040D	1600	800	400	1.5	2.0	2
51 47-SBX161030D	1600	1000	300	1.5	2.0	2
52 47-SBX161035D	1600	1000	350	1.5	2.0	2
53 47-SBX161040D	1600	1000	400	1.5	2.0	2

3. Single Door Enclosures IP66

SBX Range- 3 Points Lock Handle

alfanar SBX- 3 points range is a single door metal enclosure, designed with 3 points lock handle, available with maximum dimensions up to 2000*1000 mm.



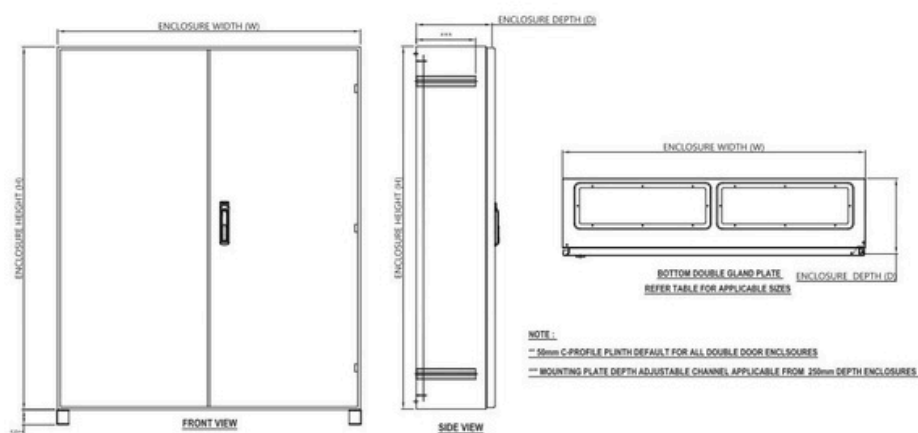
Single Door Enclosures - SBX Range - 3 Points Lock Handle						
ITEM CODE	H	W	D	THICKNESS		NO OF GLAND PLATES BOTTOM
				ENCLOSURE	MOUNTING PLATE	
1 47-SBX3108020D	1000	800	200	1.5	2.0	2
2 47-SBX3108025D	1000	800	250	1.5	2.0	2
3 47-SBX3101025D	1000	1000	250	1.5	2.0	2
4 47-SBX3101030D	1000	1000	300	1.5	2.0	2
5 47-SBX3128025D	1200	800	250	1.5	2.0	2
6 47-SBX3121025D	1200	1000	250	1.5	2.0	2
7 47-SBX3121030D	1200	1000	300	1.5	2.0	2
8 47-SBX3141030D	1400	1000	300	1.5	2.0	2
9 47-SBX3141040D	1400	1000	400	1.5	2.0	2
10 47-SBX3146015D	1400	600	150	1.5	2.0	2
11 47-SBX3146020D	1400	600	200	1.5	2.0	2
12 47-SBX3146025D	1400	600	250	1.5	2.0	2
13 47-SBX3148015D	1400	800	150	1.5	2.0	2
14 47-SBX3148020D	1400	800	200	1.5	2.0	2
15 47-SBX3148025D	1400	800	250	1.5	2.0	2
16 47-SBX3148030D	1400	800	300	1.5	2.0	2
17 47-SBX3148035D	1400	800	350	1.5	2.0	2
18 47-SBX3148040D	1400	800	400	1.5	2.0	2
19 47-SBX3161030D	1600	1000	300	1.5	2.0	2
20 47-SBX3161035D	1600	1000	350	1.5	2.0	2
21 47-SBX3161040D	1600	1000	400	1.5	2.0	2
22 47-SBX3166015D	1600	600	150	1.5	2.0	2
23 47-SBX3166020D	1600	600	200	1.5	2.0	2
24 47-SBX3168015D	1600	800	150	1.5	2.0	2
25 47-SBX3168020D	1600	800	200	1.5	2.0	2
26 47-SBX3168025D	1600	800	250	1.5	2.0	2
27 47-SBX3168030D	1600	800	300	1.5	2.0	2
28 47-SBX3168035D	1600	800	350	1.5	2.0	2
29 47-SBX3168040D	1600	800	400	1.5	2.0	2
30 47-SBX3181030D	1800	1000	300	1.5	2.0	2
31 47-SBX3181040D	1800	1000	400	1.5	2.0	2
32 47-SBX3186015D	1800	600	150	1.5	2.0	2
33 47-SBX3186020D	1800	600	200	1.5	2.0	2
34 47-SBX3186025D	1800	600	250	1.5	2.0	2
35 47-SBX3186030D	1800	600	300	1.5	2.0	2
36 47-SBX3186035D	1800	600	350	1.5	2.0	2

Single Door Enclosures - SBX Range - 3 Points Lock Handle						
ITEM CODE	H	W	D	THICKNESS		NO OF GLAND PLATES BOTTOM
				ENCLOSURE	MOUNTING PLATE	
37 47-SBX3186040D	1800	600	400	1.5	2.0	2
38 47-SBX3188015D	1800	800	150	1.5	2.0	2
39 47-SBX3188020D	1800	800	200	1.5	2.0	2
40 47-SBX3188025D	1800	800	250	1.5	2.0	2
41 47-SBX3188030D	1800	800	300	1.5	2.0	2
42 47-SBX3188035D	1800	800	350	1.5	2.0	2
43 47-SBX3188040D	1800	800	400	1.5	2.0	2
44 47-SBX3206030D	2000	600	300	1.5	2.0	2
45 47-SBX3206040D	2000	600	400	1.5	2.0	2
46 47-SBX3208040D	2000	800	400	1.5	2.0	2
47 47-SBX3201040D	2000	1000	400	1.5	2.0	2

4. Double Door Enclosures IP54

SBY Range – 3 Points Lock Handle

alfanar SBY range is a double door metal enclosure up to IP54, designed with 3 points lock handle, and available with maximum dimensions up to 2000*1200 mm.



Double Door Enclosures - SBY Range - 3 Points Lock Handle						
ITEM CODE	H	W	D	THICKNESS		NO OF GLAND PLATES BOTTOM
				ENCLOSURE	MOUNTING PLATE	
1 47-SBY101030D	1000	1000	300	1.5	2.0	2
2 47-SBY121025D	1200	1000	250	1.5	2.0	2
3 47-SBY121030D	1200	1000	300	1.5	2.0	2
4 47-SBY121035D	1200	1000	350	1.5	2.0	2
5 47-SBY121040D	1200	1000	400	1.5	2.0	2
6 47-SBY121225D	1200	1200	250	1.5	2.0	2
7 47-SBY121230D	1200	1200	300	1.5	2.0	2
8 47-SBY121235D	1200	1200	350	1.5	2.0	2
9 47-SBY121240D	1200	1200	400	1.5	2.0	2
10 47-SBY141025D	1400	1000	250	1.5	2.0	2
11 47-SBY141030D	1400	1000	300	1.5	2.0	2
12 47-SBY141035D	1400	1000	350	1.5	2.0	2
13 47-SBY141040D	1400	1000	400	1.5	2.0	2
14 47-SBY141225D	1400	1200	250	1.5	2.0	2
15 47-SBY141230D	1400	1200	300	1.5	2.0	2
16 47-SBY141235D	1400	1200	350	1.5	2.0	2
17 47-SBY141240D	1400	1200	400	1.5	2.0	2
18 47-SBY161025D	1600	1000	250	1.5	2.0	2
19 47-SBY161030D	1600	1000	300	1.5	2.0	2
20 47-SBY161035D	1600	1000	350	1.5	2.0	2
21 47-SBY161040D	1600	1000	400	1.5	2.0	2
22 47-SBY161225D	1600	1200	250	1.5	2.0	2
23 47-SBY161230D	1600	1200	300	1.5	2.0	2
24 47-SBY161235D	1600	1200	350	1.5	2.0	2
25 47-SBY161240D	1600	1200	400	1.5	2.0	2
26 47-SBY181025D	1800	1000	250	1.5	2.0	2
27 47-SBY181030D	1800	1000	300	1.5	2.0	2
28 47-SBY181035D	1800	1000	350	1.5	2.0	2
29 47-SBY181040D	1800	1000	400	1.5	2.0	2
30 47-SBY181225D	1800	1200	250	1.5	2.0	2
31 47-SBY181235D	1800	1200	300	1.5	2.0	2
32 47-SBY181235D	1800	1200	350	1.5	2.0	2
33 47-SBY181240D	1800	1200	400	1.5	2.0	2
34 47-SBY201040D	2000	1000	400	1.5	2.0	2
35 47-SBY201240D	2000	1200	400	1.5	2.0	2

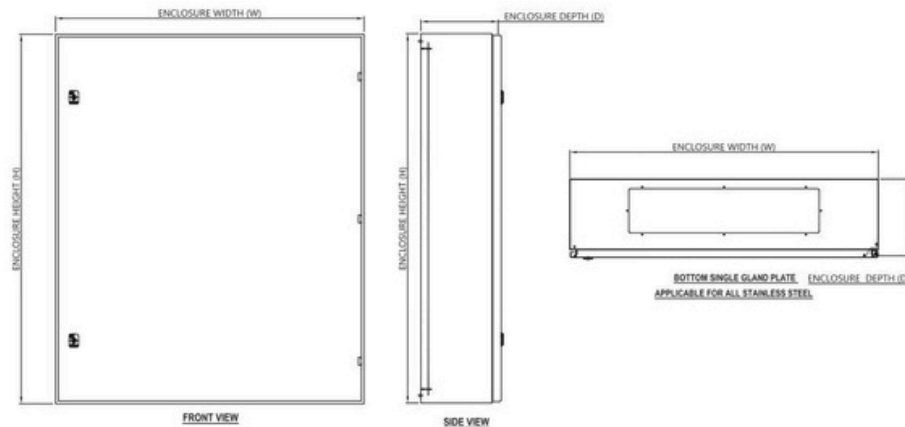
5. Stainless Steel Enclosures IP66

Stainless steel enclosures are widely used in commercial and industrial applications, in addition to the power distribution and energy industries. The corrosion resistance of stainless steel and the ability to withstand frequent wash-downs is necessary when dealing with harsh environments and where these industries are located, like coastal areas or offshore applications.



FEATURES

- Ingress protection IP66 / NEMA-4X
- Made of stainless steel up to 1.5mm thickness, 304L or 316L grade with 2B finish (Brush Finish)
- Stainless steel mounting plate of 2mm thickness
- Specially made for use in highly corrosive environments, such as chemical or food industries and places where hygiene is essential
- Stainless steel enclosures available in all sizes upon request
- Formed in place polyurethane gasket for reliable sealing
- Locks and hinges are also made of stainless steel



Stainless Steel Enclosures							
ITEM CODE		H	W	D	THICKNESS		
316L	304L				ENCLOSURE	MOUNTING PLATE	
1	47-SS6-SB202015D	47-SS4-SB202015D	200	200	150	1.2	2.0
2	47-SS6-SB252015D	47-SS4-SB252015D	250	200	150	1.2	2.0
3	47-SS6-SB252515D	47-SS4-SB252515D	250	250	150	1.2	2.0
4	47-SS6-SB302015D	47-SS4-SB302015D	300	200	150	1.2	2.0
5	47-SS6-SB302515D	47-SS4-SB302515D	300	250	150	1.2	2.0
6	47-SS6-SB302520D	47-SS4-SB302520D	300	250	200	1.2	2.0
7	47-SS6-SB303015D	47-SS4-SB303015D	300	300	150	1.2	2.0
8	47-SS6-SB303020D	47-SS4-SB303020D	300	300	200	1.2	2.0
9	47-SS6-SB402520D	47-SS4-SB402520D	400	250	200	1.2	2.0
10	47-SS6-SB403015D	47-SS4-SB403015D	400	300	150	1.2	2.0
11	47-SS6-SB403020D	47-SS4-SB403020D	400	300	200	1.2	2.0
12	47-SS6-SB404015D	47-SS4-SB404015D	400	400	150	1.2	2.0
13	47-SS6-SB404020D	47-SS4-SB404020D	400	400	200	1.2	2.0
14	47-SS6-SB404015D	47-SS4-SB404015D	400	400	250	1.2	2.0
15	47-SS6-SB406015D	47-SS4-SB406015D	400	600	150	1.2	2.0
16	47-SS6-SB406020D	47-SS4-SB406020D	400	600	200	1.2	2.0
17	47-SS6-SB406025D	47-SS4-SB406025D	400	600	250	1.2	2.0
18	47-SS6-SB406030D	47-SS4-SB406030D	400	600	300	1.2	2.0
19	47-SS6-SB504015D	47-SS4-SB504015D	500	400	150	1.2	2.0
20	47-SS6-SB504020D	47-SS4-SB504020D	500	400	200	1.2	2.0
21	47-SS6-SB504025D	47-SS4-SB504025D	500	400	250	1.2	2.0
22	47-SS6-SB504030D	47-SS4-SB504030D	500	400	300	1.2	2.0
23	47-SS6-SB505015D	47-SS4-SB505015D	500	500	150	1.2	2.0
24	47-SS6-SB505020D	47-SS4-SB505020D	500	500	200	1.2	2.0
25	47-SS6-SB505025D	47-SS4-SB505025D	500	500	250	1.2	2.0
26	47-SS6-SB505030D	47-SS4-SB505030D	500	500	300	1.2	2.0
27	47-SS6-SB604015D	47-SS4-SB604015D	600	400	150	1.2	2.0
28	47-SS6-SB604020D	47-SS4-SB604020D	600	400	200	1.2	2.0
29	47-SS6-SB604025D	47-SS4-SB604025D	600	400	250	1.2	2.0
30	47-SS6-SB604030D	47-SS4-SB604030D	600	400	300	1.2	2.0
31	47-SS6-SB605015D	47-SS4-SB605015D	600	500	150	1.2	2.0
32	47-SS6-SB605020D	47-SS4-SB605020D	600	500	200	1.2	2.0
33	47-SS6-SB605025D	47-SS4-SB605025D	600	500	250	1.2	2.0
34	47-SS6-SB605030D	47-SS4-SB605030D	600	500	300	1.2	2.0
35	47-SS6-SB606015D	47-SS4-SB606015D	600	600	150	1.2	2.0
36	47-SS6-SB606020D	47-SS4-SB606020D	600	600	200	1.2	2.0

Stainless Steel Enclosures						
ITEM CODE		H	W	D	THICKNESS	
316L	304L				ENCLOSURE	MOUNTING PLATE
37 47-SS6-SB606025D	47-SS4-SB606025D	600	600	250	1.2	2.0
38 47-SS6-SB606030D	47-SS4-SB606030D	600	600	300	1.2	2.0
39 47-SS6-SB705015D	47-SS4-SB705015D	700	500	150	1.2	2.0
40 47-SS6-SB705020D	47-SS4-SB705020D	700	500	200	1.2	2.0
41 47-SS6-SB705025D	47-SS4-SB705025D	700	500	250	1.2	2.0
42 47-SS6-SB705030D	47-SS4-SB705030D	700	500	300	1.2	2.0
43 47-SS6-SB706015D	47-SS4-SB706015D	700	600	150	1.5	2.0
44 47-SS6-SB706020D	47-SS4-SB706020D	700	600	200	1.5	2.0
45 47-SS6-SB706025D	47-SS4-SB706025D	700	600	250	1.5	2.0
46 47-SS6-SB706030D	47-SS4-SB706030D	700	600	300	1.5	2.0
47 47-SS6-SB707015D	47-SS4-SB707015D	700	700	150	1.5	2.0
48 47-SS6-SB707020D	47-SS4-SB707020D	700	700	200	1.5	2.0
49 47-SS6-SB707025D	47-SS4-SB707025D	700	700	250	1.5	2.0
50 47-SS6-SB707030D	47-SS4-SB707030D	700	700	300	1.5	2.0
51 47-SS6-SB804015D	47-SS4-SB804015D	800	400	150	1.5	2.0
52 47-SS6-SB804020D	47-SS4-SB804020D	800	400	200	1.5	2.0
53 47-SS6-SB804025D	47-SS4-SB804025D	800	400	250	1.5	2.0
54 47-SS6-SB804030D	47-SS4-SB804030D	800	400	300	1.5	2.0
55 47-SS6-SB806015D	47-SS4-SB806015D	800	600	150	1.5	2.0
56 47-SS6-SB806020D	47-SS4-SB806020D	800	600	200	1.5	2.0
57 47-SS6-SB806025D	47-SS4-SB806025D	800	600	250	1.5	2.0
58 47-SS6-SB806030D	47-SS4-SB806030D	800	600	300	1.5	2.0
59 47-SS6-SB806040D	47-SS4-SB806040D	800	600	400	1.5	2.0
60 47-SS6-SB808015D	47-SS4-SB808015D	800	800	150	1.5	2.0
61 47-SS6-SB808020D	47-SS4-SB808020D	800	800	200	1.5	2.0
62 47-SS6-SB808025D	47-SS4-SB808025D	800	800	250	1.5	2.0
63 47-SS6-SB808030D	47-SS4-SB808030D	800	800	300	1.5	2.0
64 47-SS6-SBX104015D	47-SS4-SBX104015D	1000	400	150	1.5	2.0
65 47-SS6-SBX106015D	47-SS4-SBX106015D	1000	600	150	1.5	2.0
66 47-SS6-SBX106020D	47-SS4-SBX106020D	1000	600	200	1.5	2.0
67 47-SS6-SBX106025D	47-SS4-SBX106025D	1000	600	250	1.5	2.0
68 47-SS6-SBX106030D	47-SS4-SBX106030D	1000	600	300	1.5	2.0
69 47-SS6-SBX106040D	47-SS4-SBX106040D	1000	600	400	1.5	2.0
70 47-SS6-SBX108015D	47-SS4-SBX108015D	1000	800	150	1.5	2.0
71 47-SS6-SBX108020D	47-SS4-SBX108020D	1000	800	200	1.5	2.0
72 47-SS6-SBX108025D	47-SS4-SBX108025D	1000	800	250	1.5	2.0
73 47-SS6-SBX108030D	47-SS4-SBX108030D	1000	800	300	1.5	2.0
74 47-SS6-SBX108040D	47-SS4-SBX108040D	1000	800	400	1.5	2.0
75 47-SS6-SBX101025D	47-SS4-SBX101025D	1000	1000	250	1.5	2.0
76 47-SS6-SBX101030D	47-SS4-SBX101030D	1000	1000	300	1.5	2.0

Stainless Steel Enclosures							
ITEM CODE		H	W	D	THICKNESS		
316L	304L				ENCLOSURE	MOUNTING PLATE	
77	47-SS6-SBX126020D	47-SS4-SBX126020D	1200	600	200	1.5	2.0
78	47-SS6-SBX126025D	47-SS4-SBX126025D	1200	600	250	1.5	2.0
79	47-SS6-SBX126030D	47-SS4-SBX126030D	1200	600	300	1.5	2.0
80	47-SS6-SBX128015D	47-SS4-SBX128015D	1200	800	150	1.5	2.0
81	47-SS6-SBX128020D	47-SS4-SBX128020D	1200	800	200	1.5	2.0
82	47-SS6-SBX128025D	47-SS4-SBX128025D	1200	800	250	1.5	2.0
83	47-SS6-SBX128030D	47-SS4-SBX128030D	1200	800	300	1.5	2.0
84	47-SS6-SBX128040D	47-SS4-SBX128040D	1200	800	400	1.5	2.0
85	47-SS6-SBX121025D	47-SS4-SBX121025D	1200	1000	250	1.5	2.0
86	47-SS6-SBX121030D	47-SS4-SBX121030D	1200	1000	300	1.5	2.0
87	47-SS6-SBX146015D	47-SS4-SBX146015D	1400	600	150	1.5	2.0
88	47-SS6-SBX146020D	47-SS4-SBX146020D	1400	600	200	1.5	2.0
89	47-SS6-SBX146025D	47-SS4-SBX146025D	1400	600	250	1.5	2.0
90	47-SS6-SBX146030D	47-SS4-SBX146030D	1400	600	300	1.5	2.0
91	47-SS6-SBX146035D	47-SS4-SBX146035D	1400	600	350	1.5	2.0
92	47-SS6-SBX146040D	47-SS4-SBX146040D	1400	600	400	1.5	2.0
93	47-SS6-SBX148015D	47-SS4-SBX148015D	1400	800	150	1.5	2.0
94	47-SS6-SBX148020D	47-SS4-SBX148020D	1400	800	200	1.5	2.0
95	47-SS6-SBX148025D	47-SS4-SBX148025D	1400	800	250	1.5	2.0
96	47-SS6-SBX148030D	47-SS4-SBX148030D	1400	800	300	1.5	2.0
97	47-SS6-SBX148035D	47-SS4-SBX148035D	1400	800	350	1.5	2.0
98	47-SS6-SBX148040D	47-SS4-SBX148040D	1400	800	400	1.5	2.0
99	47-SS6-SBX141025D	47-SS4-SBX141025D	1400	1000	250	1.5	2.0
100	47-SS6-SBX141030D	47-SS4-SBX141030D	1400	1000	300	1.5	2.0
101	47-SS6-SBX141040D	47-SS4-SBX141040D	1400	1000	400	1.5	2.0
102	47-SS6-SBX166015D	47-SS4-SBX166015D	1600	600	150	1.5	2.0
103	47-SS6-SBX166020D	47-SS4-SBX166020D	1600	600	200	1.5	2.0
104	47-SS6-SBX166025D	47-SS4-SBX166025D	1600	600	250	1.5	2.0
105	47-SS6-SBX166030D	47-SS4-SBX166030D	1600	600	300	1.5	2.0
106	47-SS6-SBX166035D	47-SS4-SBX166035D	1600	600	350	1.5	2.0
107	47-SS6-SBX166040D	47-SS4-SBX166040D	1600	600	400	1.5	2.0
108	47-SS6-SBX168015D	47-SS4-SBX168015D	1600	800	150	1.5	2.0
109	47-SS6-SBX168020D	47-SS4-SBX168020D	1600	800	200	1.5	2.0
110	47-SS6-SBX168025D	47-SS4-SBX168025D	1600	800	250	1.5	2.0
111	47-SS6-SBX168030D	47-SS4-SBX168030D	1600	800	300	1.5	2.0
112	47-SS6-SBX168035D	47-SS4-SBX168035D	1600	800	350	1.5	2.0
113	47-SS6-SBX168040D	47-SS4-SBX168040D	1600	800	400	1.5	2.0
114	47-SS6-SBX161030D	47-SS4-SBX161030D	1600	1000	300	1.5	2.0
115	47-SS6-SBX161035D	47-SS4-SBX161035D	1600	1000	350	1.5	2.0
116	47-SS6-SBX161040D	47-SS4-SBX161040D	1600	1000	400	1.5	2.0

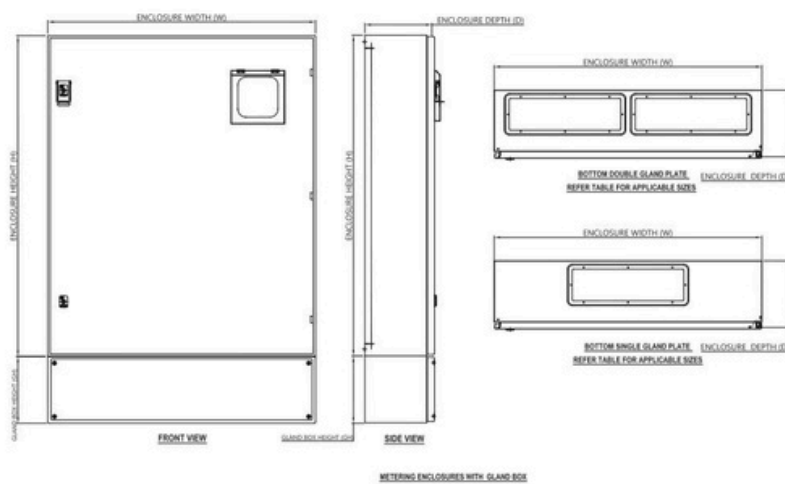
6. Metering Enclosures up to IP65

alfanar metering enclosures are a weatherproof metal enclosure provided with a transparent viewing window made of acrylic material such as Perspex. The viewing window enables operators and technicians to easily read and monitor the internal meters installed inside the enclosures without opening the door.



FEATURES

- Ingress protection up to IP65
- Made of electrogalvanized steel up to 1.5 mm thickness, Polyester powder coated
- Steel mounting plate of 2mm thickness, (hot dipped galvanized steel / Alu Zinc material)
- Meter viewing Perspex 150X150mm (up to 5mm thickness)
- Perspex protection cover with hinges 200X200 mm
- Padlocking arrangement
- Suitable gland box can be ordered separately



Metering Enclosures									
ITEM CODE	H	W	D	THICKNESS		Open WINDOW (EMPTY CUTOFF) DEX	TRANSPARENT WINDOW IP54	TRANSPARENT WINDOW with FLAP DOOR IP54	
				ENCLOSURE	MOUNTING PLATE				
1 47-MSB504020D	500	400	200	1.2	2.0	YES	-	-	
2 47-MSB504025D	500	400	250	1.2	2.0	YES	-	-	
3 47-MSB504030D	500	400	300	1.2	2.0	YES	-	-	
4 47-MSB505015D	500	500	150	1.2	2.0	YES	-	-	
5 47-MSB505020D	500	500	200	1.2	2.0	YES	-	-	
6 47-MSB505025D	500	500	250	1.2	2.0	YES	-	-	
7 47-MSB505030D	500	500	300	1.2	2.0	YES	-	-	
8 47-MSB604015D	600	400	150	1.2	2.0	YES	-	-	
9 47-MSB604020D	600	400	200	1.2	2.0	YES	-	-	
10 47-MSB604025D	600	400	250	1.2	2.0	YES	-	-	
11 47-MSB604030D	600	400	300	1.2	2.0	YES	-	-	
12 47-MSB605015D	600	500	150	1.2	2.0	YES	-	-	
13 47-MSB605020D	600	500	200	1.2	2.0	YES	-	-	
14 47-MSB605025D	600	500	250	1.2	2.0	YES	-	-	
15 47-MSB605030D	600	500	300	1.2	2.0	YES	-	-	
16 47-MSB606015D	600	600	150	1.2	2.0	YES	-	-	
17 47-MSB606020D	600	600	200	1.2	2.0	YES	-	-	
18 47-MSB606025D	600	600	250	1.2	2.0	YES	-	-	
19 47-MSB606030D	600	600	300	1.2	2.0	YES	-	-	
20 47-MSB705015D	700	500	150	1.2	2.0	YES	-	-	
21 47-MSB705020D	700	500	200	1.2	2.0	YES	-	-	
22 47-MSB705025D	700	500	250	1.2	2.0	YES	-	-	
23 47-MSB705030D	700	500	300	1.2	2.0	YES	-	-	
24 47-MSB706015D	700	600	150	1.5	2.0	YES	-	-	
25 47-MSB706020D	700	600	200	1.5	2.0	YES	-	-	
26 47-MSB706025D	700	600	250	1.5	2.0	YES	-	-	
27 47-MSB706030D	700	600	300	1.5	2.0	YES	-	-	
28 47-MSB707015D	700	700	150	1.5	2.0	YES	-	-	
29 47-MSB707020D	700	700	200	1.5	2.0	YES	-	-	
30 47-MSB707025D	700	700	250	1.5	2.0	YES	-	-	
31 47-MSB707030D	700	700	300	1.5	2.0	YES	-	-	
32 47-MSB804015D	800	400	150	1.5	2.0	YES	-	-	
33 47-MSB804020D	800	400	200	1.5	2.0	YES	-	-	
34 47-MSB804025D	800	400	250	1.5	2.0	YES	-	-	
35 47-MSB804030D	800	400	300	1.5	2.0	YES	-	-	
36 47-MSB806015D	800	600	150	1.5	2.0	YES	-	-	
37 47-MSB806020D	800	600	200	1.5	2.0	YES	-	-	
38 47-MSB806025D	800	600	250	1.5	2.0	YES	-	-	

Metering Enclosures									
ITEM CODE	H	W	D	THICKNESS		Open WINDOW (EMPTY CUTOFF) DEX	TRANSPARENT WINDOW IP54	TRANSPARENT WINDOW with FLAP DOOR DEX	
				ENCLOSURE	MOUNTING PLATE				
39	47-MSB806030D	800	600	300	1.5	2.0	YES	-	-
40	47-MSB806040D	800	600	400	1.5	2.0	YES	-	-
41	47-MSB808015D	800	800	150	1.5	2.0	YES	-	-
42	47-MSB808020D	800	800	200	1.5	2.0	YES	-	-
43	47-MSB808025D	800	800	250	1.5	2.0	YES	-	-
44	47-MSB808030D	800	800	300	1.5	2.0	YES	-	-
45	47-MSBX106015D	1000	600	150	1.5	2.0	YES	-	-
46	47-MSBX106020D	1000	600	200	1.5	2.0	YES	-	-
47	47-MSBX106025D	1000	600	250	1.5	2.0	YES	-	-
48	47-MSBX106030D	1000	600	300	1.5	2.0	YES	-	-
49	47-MSBX106040D	1000	600	400	1.5	2.0	YES	-	-
50	47-MSBX108015D	1000	800	150	1.5	2.0	YES	-	-
51	47-MSBX108020D	1000	800	200	1.5	2.0	YES	-	-
52	47-MSBX108025D	1000	800	250	1.5	2.0	YES	-	-
53	47-MSBX108030D	1000	800	300	1.5	2.0	YES	-	-
54	47-MSBX108040D	1000	800	400	1.5	2.0	YES	-	-
55	47-MSBX101025D	1000	1000	250	1.5	2.0	YES	-	-
56	47-MSBX101030D	1000	1000	300	1.5	2.0	YES	-	-
57	47-MSBX126020D	1200	600	200	1.5	2.0	YES	-	-
58	47-MSBX126025D	1200	600	250	1.5	2.0	YES	-	-
59	47-MSBX126030D	1200	600	300	1.5	2.0	YES	-	-
60	47-MSBX128015D	1200	800	150	1.5	2.0	YES	-	-
61	47-MSBX128020D	1200	800	200	1.5	2.0	YES	-	-
62	47-MSBX128025D	1200	800	250	1.5	2.0	YES	-	-
63	47-MSBX128030D	1200	800	300	1.5	2.0	YES	-	-
64	47-MSBX128040D	1200	800	400	1.5	2.0	YES	-	-
65	47-MSBX121025D	1200	1000	250	1.5	2.0	YES	-	-
66	47-MSBX121030D	1200	1000	300	1.5	2.0	YES	-	-
67	47-MSB504020PL-HD	500	400	200	1.2	2.0	-	YES	YES
68	47-MSB504025PL-HD	500	400	250	1.2	2.0	-	YES	YES
69	47-MSB504030PL-HD	500	400	300	1.2	2.0	-	YES	YES
70	47-MSB505015PL-HD	500	500	150	1.2	2.0	-	YES	YES
71	47-MSB505020PL-HD	500	500	200	1.2	2.0	-	YES	YES
72	47-MSB505025PL-HD	500	500	250	1.2	2.0	-	YES	YES
73	47-MSB505030PL-HD	500	500	300	1.2	2.0	-	YES	YES
74	47-MSB604015PL-HD	600	400	150	1.2	2.0	-	YES	YES
75	47-MSB604020PL-HD	600	400	200	1.2	2.0	-	YES	YES
76	47-MSB604025PL-HD	600	400	250	1.2	2.0	-	YES	YES

Metering Enclosures									
ITEM CODE	H	W	D	THICKNESS		Open WINDOW (EMPTY OUTOUT) DEX	TRANSPARENT WINDOW IP54	TRANSPARENT WINDOW with FLAP DOOR DEX	
				ENCLOSURE	MOUNTING PLATE				
77	47-MSB604030PL-HD	600	400	300	1.2	2.0	-	YES	YES
78	47-MSB605015PL-HD	600	500	150	1.2	2.0	-	YES	YES
79	47-MSB605020PL-HD	600	500	200	1.2	2.0	-	YES	YES
80	47-MSB605025PL-HD	600	500	250	1.2	2.0	-	YES	YES
81	47-MSB605030PL-HD	600	500	300	1.2	2.0	-	YES	YES
82	47-MSB606015PL-HD	600	600	150	1.2	2.0	-	YES	YES
83	47-MSB606020PL-HD	600	600	200	1.2	2.0	-	YES	YES
84	47-MSB606025PL-HD	600	600	250	1.2	2.0	-	YES	YES
85	47-MSB606030PL-HD	600	600	300	1.2	2.0	-	YES	YES
86	47-MSB705015PL-HD	700	500	150	1.2	2.0	-	YES	YES
87	47-MSB705020PL-HD	700	500	200	1.2	2.0	-	YES	YES
88	47-MSB705025PL-HD	700	500	250	1.2	2.0	-	YES	YES
89	47-MSB705030PL-HD	700	500	300	1.2	2.0	-	YES	YES
90	47-MSB706015PL-HD	700	600	150	1.5	2.0	-	YES	YES
91	47-MSB706020PL-HD	700	600	200	1.5	2.0	-	YES	YES
92	47-MSB706025PL-HD	700	600	250	1.5	2.0	-	YES	YES
93	47-MSB706030PL-HD	700	600	300	1.5	2.0	-	YES	YES
94	47-MSB707015PL-HD	700	700	150	1.5	2.0	-	YES	YES
95	47-MSB707020PL-HD	700	700	200	1.5	2.0	-	YES	YES
96	47-MSB707025PL-HD	700	700	250	1.5	2.0	-	YES	YES
97	47-MSB707030PL-HD	700	700	300	1.5	2.0	-	YES	YES
98	47-MSB804015PL-HD	800	400	150	1.5	2.0	-	YES	YES
99	47-MSB804020PL-HD	800	400	200	1.5	2.0	-	YES	YES
100	47-MSB804025PL-HD	800	400	250	1.5	2.0	-	YES	YES
101	47-MSB804030PL-HD	800	400	300	1.5	2.0	-	YES	YES
102	47-MSB806015PL-HD	800	600	150	1.5	2.0	-	YES	YES
103	47-MSB806020PL-HD	800	600	200	1.5	2.0	-	YES	YES
104	47-MSB806025PL-HD	800	600	250	1.5	2.0	-	YES	YES
105	47-MSB806030PL-HD	800	600	300	1.5	2.0	-	YES	YES
106	47-MSB806040PL-HD	800	600	400	1.5	2.0	-	YES	YES
107	47-MSB808015PL-HD	800	800	150	1.5	2.0	-	YES	YES
108	47-MSB808020PL-HD	800	800	200	1.5	2.0	-	YES	YES
109	47-MSB808025PL-HD	800	800	250	1.5	2.0	-	YES	YES
110	47-MSB808030PL-HD	800	800	300	1.5	2.0	-	YES	YES
111	47-MSBX106015PL-HD	1000	600	150	1.5	2.0	-	YES	YES
112	47-MSBX106020PL-HD	1000	600	200	1.5	2.0	-	YES	YES
113	47-MSBX106025PL-HD	1000	600	250	1.5	2.0	-	YES	YES
114	47-MSBX106030PL-HD	1000	600	300	1.5	2.0	-	YES	YES

Metering Enclosures									
ITEM CODE	H	W	D	THICKNESS		Open WINDOW (EMPTY OUTPUT) DEX	TRANSPARENT WINDOW IP54	TRANSPARENT WINDOW with FLAP DOOR DEX	
				ENCLOSURE	MOUNTING PLATE				
115 47-MSBX106040PL-HD	1000	600	400	1.5	2.0	-	YES	YES	
116 47-MSBX108015PL-HD	1000	800	150	1.5	2.0	-	YES	YES	
117 47-MSBX108020PL-HD	1000	800	200	1.5	2.0	-	YES	YES	
118 47-MSBX108025PL-HD	1000	800	250	1.5	2.0	-	YES	YES	
119 47-MSBX108030PL-HD	1000	800	300	1.5	2.0	-	YES	YES	
120 47-MSBX108040PL-HD	1000	800	400	1.5	2.0	-	YES	YES	
121 47-MSBX101025PL-HD	1000	1000	250	1.5	2.0	-	YES	YES	
122 47-MSBX101030PL-HD	1000	1000	300	1.5	2.0	-	YES	YES	
123 47-MSBX126020PL-HD	1200	600	200	1.5	2.0	-	YES	YES	
124 47-MSBX126025PL-HD	1200	600	250	1.5	2.0	-	YES	YES	
125 47-MSBX126030PL-HD	1200	600	300	1.5	2.0	-	YES	YES	
126 47-MSBX128015PL-HD	1200	800	150	1.5	2.0	-	YES	YES	
127 47-MSBX128020PL-HD	1200	800	200	1.5	2.0	-	YES	YES	
128 47-MSBX128025PL-HD	1200	800	250	1.5	2.0	-	YES	YES	
129 47-MSBX128030PL-HD	1200	800	300	1.5	2.0	-	YES	YES	
130 47-MSBX128040PL-HD	1200	800	400	1.5	2.0	-	YES	YES	
131 47-MSBX121025PL-HD	1200	1000	250	1.5	2.0	-	YES	YES	
132 47-MSBX121030PL-HD	1200	1000	300	1.5	2.0	-	YES	YES	

Gland Box					
ITEM CODE	H	W	D	THICKNESS	
				ENCLOSURE	
1	47-GB204020D	200	400	200	1.2
2	47-GB205020D	200	500	200	1.2
3	47-GB206020D	200	600	200	1.2
4	47-GB207020D	200	700	200	1.2
5	47-GB208020D	200	800	200	1.5
6	47-GB254020D	250	400	200	1.2
7	47-GB255020D	250	500	200	1.2
8	47-GB256020D	250	600	200	1.2
9	47-GB257020D	250	700	200	1.2
10	47-GB258020D	250	800	200	1.5
11	47-GB304020D	300	400	200	1.2
12	47-GB305020D	300	500	200	1.2
13	47-GB306020D	300	600	200	1.2
14	47-GB307020D	300	700	200	1.2
15	47-GB308020D	300	800	200	1.5
16	47-GB301020D	300	1000	200	1.5
17	47-GB204025D	200	400	250	1.2
18	47-GB205025D	200	500	250	1.2
19	47-GB206025D	200	600	250	1.2
20	47-GB207025D	200	700	250	1.2
21	47-GB208025D	200	800	250	1.5
22	47-GB201025D	200	1000	250	1.5
23	47-GB254025D	250	400	250	1.2
24	47-GB255025D	250	500	250	1.2
25	47-GB256025D	250	600	250	1.2
26	47-GB257025D	250	700	250	1.2
27	47-GB258025D	250	800	250	1.5
28	47-GB304025D	300	400	250	1.2
29	47-GB305025D	300	500	250	1.2
30	47-GB306025D	300	600	250	1.2
31	47-GB307025D	300	700	250	1.2
32	47-GB308025D	300	800	250	1.5
33	47-GB301025D	300	1000	250	1.5
34	47-GB306025D	300	600	300	1.2
35	47-GB307025D	300	700	300	1.2
36	47-GB308025D	300	800	300	1.5
37	47-GB301025D	300	1000	300	1.5

8. Extendable enclosures

FORM-2 TYPE

alfanar Low Voltage Extendable enclosures are used for electrical power distribution, and control and automation systems, and are generally installed downstream of transformers or generators that contain the main and branch circuit breakers.



SPECIFICATIONS

- Made out high quality electro galvanized sheet metal
- Polyester powder coated in RAL7032 coarse texture finish
- Mounting plate made of hot dipped galvanized steel of 2mm thickness
- Plinth / Base made of high-quality electro galvanized steel 3.0mm thickness
- Framework made of high-quality hot dipped galvanized steel 2.0mm thickness
- Door made of high-quality electro galvanized steel 2.0mm thickness
- Complies with IEC 60529 / 62208 standards
- Ingress protection IP55
- Available in different colors upon request



Product Breakdown



Door Handle



Lifting hook



3-Point lock system

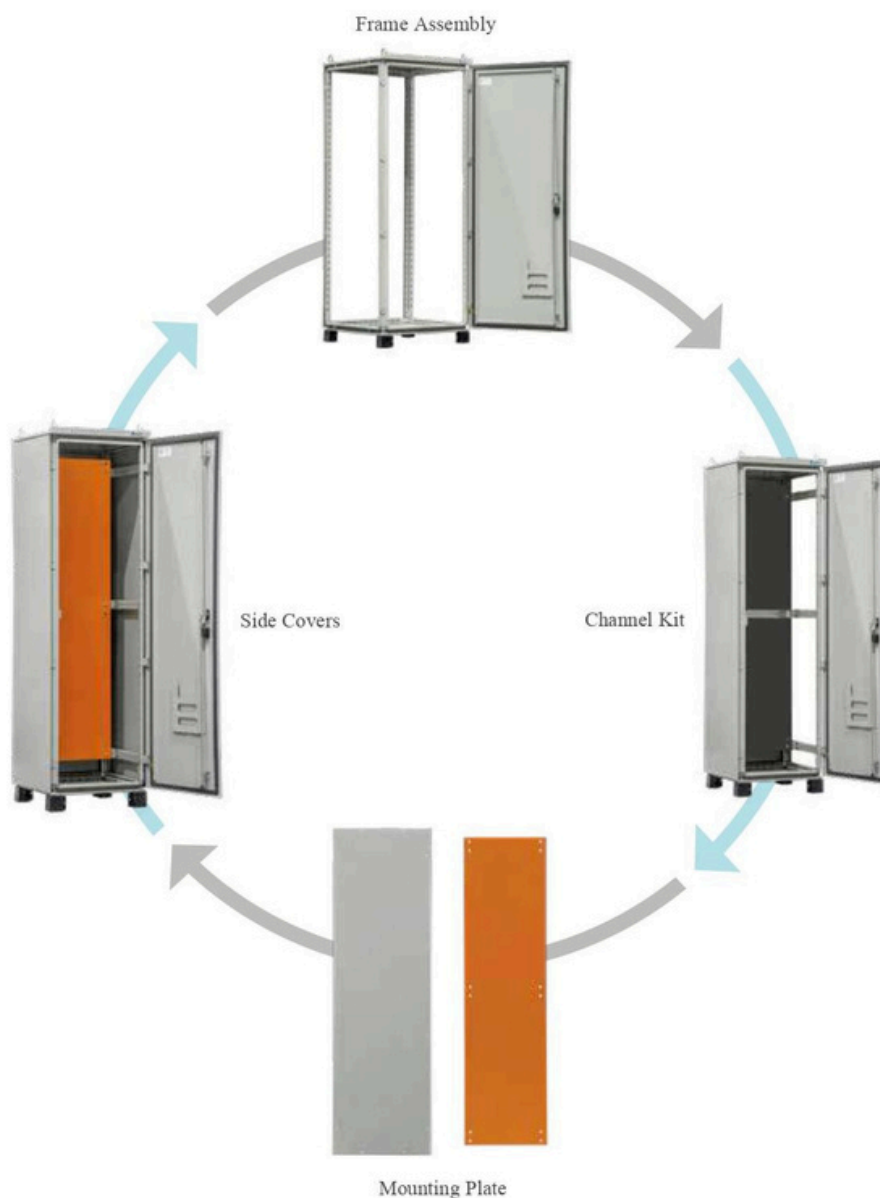


Earthing



Bottom Lever

Extendable Enclosure Parts



Extendable Enclosure Parts

1. Frame Assembly

	H	W	D	Ordering Code	Item Description
1	2150	1200	1000	53-EEK211210DD	EXT ENCL KIT 2150X1200X1000 DOUBLE DOOR
2	2150	1200	800	53-EEK211280DD	EXT ENCL KIT 2150X1200X800 DOUBLE DOOR
3	2150	1200	600	53-EEK211260DD	EXT ENCL KIT 2150X1200X600 DOUBLE DOOR
4	2150	1000	1000	53-EEK211010SD	EXT ENCL KIT 2150X1000X1000 SINGLE DOOR
5	2150	1000	800	53-EEK211080SD	EXT ENCL KIT 2150X1000X800 SINGLE DOOR
6	2150	1000	600	53-EEK211060SD	EXT ENCL KIT 2150X1000X600 SINGLE DOOR
7	2150	800	800	53-EEK218080SD	EXT ENCL KIT 2150X800X800 SINGLE DOOR
8	2150	800	600	53-EEK218060SD	EXT ENCL KIT 2150X800X600 SINGLE DOOR
9	2150	600	600	53-EEK216060SD	EXT ENCL KIT 2150X600X600 SINGLE DOOR
10	2150	400	600	53-EEK214060SD	EXT ENCL KIT 2150X400X600 SINGLE DOOR
11	2000	1200	1000	53-EEK201210DD	EXT ENCL KIT 2000X1200X1000 DOUBLE DOOR
12	2000	1200	800	53-EEK201280DD	EXT ENCL KIT 2000X1200X800 DOUBLE DOOR
13	2000	1200	600	53-EEK201260DD	EXT ENCL KIT 2000X1200X600 DOUBLE DOOR
14	2000	1000	1000	53-EEK201010SD	EXT ENCL KIT 2000X1000X1000 SINGLE DOOR
15	2000	1000	800	53-EEK201080SD	EXT ENCL KIT 2000X1000X800 SINGLE DOOR
16	2000	1000	600	53-EEK201060SD	EXT ENCL KIT 2000X1000X600 SINGLE DOOR
17	2000	800	800	53-EEK208080SD	EXT ENCL KIT 2000X800X800 SINGLE DOOR
18	2000	800	600	53-EEK208060SD	EXT ENCL KIT 2000X800X600 SINGLE DOOR
19	2000	600	600	53-EEK206060SD	EXT ENCL KIT 2000X600X600 SINGLE DOOR
20	2000	400	600	53-EEK204060SD	EXT ENCL KIT 2000X400X600 SINGLE DOOR



2. Channel Kit

	W	D	Ordering Code	Item Description
1	1200	1000	53-EECK1210	EXT ENCL CHANNEL KIT 1200x1000
2	1200	800	53-EECK1280	EXT ENCL CHANNEL KIT 1200x800
3	1200	600	53-EECK1260	EXT ENCL CHANNEL KIT 1200x600
4	1000	1000	53-EECK1010	EXT ENCL CHANNEL KIT 1000x1000
5	1000	800	53-EECK1080	EXT ENCL CHANNEL KIT 1000x800
6	800	600	53-EECK1060	EXT ENCL CHANNEL KIT 1000x600
7	800	800	53-EECK8080	EXT ENCL CHANNEL KIT 800x800
8	800	600	53-EECK8060	EXT ENCL CHANNEL KIT 800x600
9	1000	800	53-EECK6060	EXT ENCL CHANNEL KIT 600x600
10	600	600	53-EECK4060	EXT ENCL CHANNEL KIT 400x600



Extendable Enclosure Parts

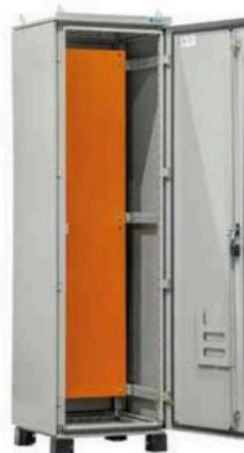
3. Mounting Plate

H	W	Ordering Code	Item Description
1	2150	53-EE2112MPA	EXT ENCL MTG PLT ORANGE 2150X1200
2	2150	53-EE2110MPA	EXT ENCL MTG PLT ORANGE 2150X1000
3	2150	53-EE2180MPA	EXT ENCL MTG PLT ORANGE 2150X800
4	2150	53-EE2160MPA	EXT ENCL MTG PLT ORANGE 2150X600
5	2000	53-EE2012MPA	EXT ENCL MTG PLT ORANGE 2000X1200
6	2000	53-EE2010MPA	EXT ENCL MTG PLT ORANGE 2000X1000
7	2000	53-EE2080MPA	EXT ENCL MTG PLT ORANGE 2000X800
8	2000	53-EE2060MPA	EXT ENCL MTG PLT ORANGE 2000X600
9	2150	53-EEMPGI2012	EXT ENCL GR MNTG PLATE 2000X1200
10	2150	53-EEMPGI2010	EXT ENCL GR MNTG PLATE 2000X1000
11	2150	53-EEMPGI2080	EXT ENCL GR MNTG PLATE 2000X800
12	2150	53-EEMPGI2060	EXT ENCL GR MNTG PLATE 2000X600
13	2000	53-EEMPGI2012	EXT ENCL GR MNTG PLATE 2000X1200
14	2000	53-EEMPGI2010	EXT ENCL GR MNTG PLATE 2000X1000
15	2000	53-EEMPGI2080	EXT ENCL GR MNTG PLATE 2000X800
16	2000	53-EEMPGI2060	EXT ENCL GR MNTG PLATE 2000X600



4. Side Covers

H	D	Ordering Code	Item Description
1	2150	53-EESCK2110	EXT ENCL SIDE CVR KIT 2150X1000
2	2150	53-EESCK2180	EXT ENCL SIDE CVR KIT 2150X800
3	2150	53-EESCK2160	EXT ENCL SIDE CVR KIT 2150X600
4	2000	53-EESCK2010	EXT ENCL SIDE CVR KIT 2000X1000
5	2000	53-EESCK2080	EXT ENCL SIDE CVR KIT 2000X800
6	2000	53-EESCK2060	EXT ENCL SIDE CVR KIT 2000X600



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alfanar MODULAR ENCLOSURES

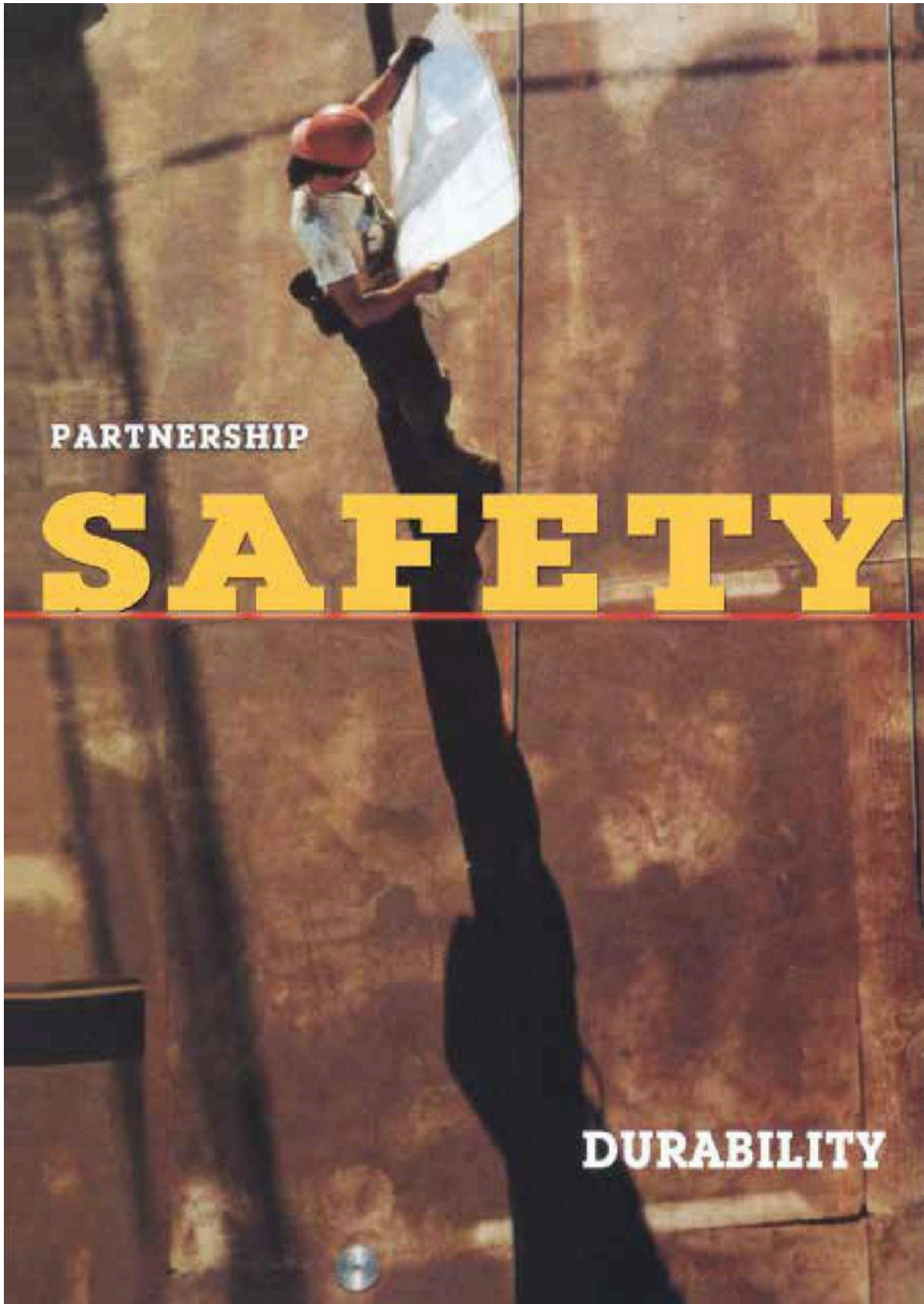


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Modular Enclosures

APPLICATIONS

alfanar Modular Enclosures are standard products suitable for mounting various types of din rail mounted LV components. They are used for a safe and reliable distribution and control of power.



- Available up to 6 rows
- Door earthing provided to ensure earth continuity.
- Adjustable painted mounting assembly made of electro-galvanized Steel
- Fine texture polyester powder coated in RAL 7035 light grey colour & RAL 9010 white.
- Each row is capable of holding up to 24 din rail modules.



Modular Enclosures

SPECIFICATIONS:

- Made of high quality electro-galvanized steel sheet of thickness up to 1.2mm
- Fine texture polyester powder coated in RAL 7035 light grey color & RAL 9010 White
- Complies with IEC 60529 standards
- Degree of protection IP41

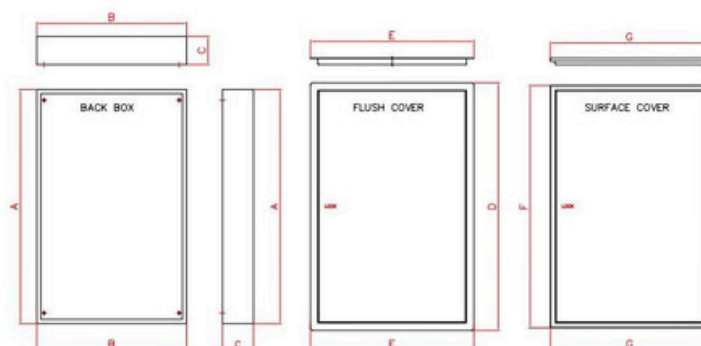


FEATURES:

- Press-formed Dead Front Cover (DFC) and door for better strength and aesthetic look*
- Hemming on box edges for additional mechanical strength.
- Circuit numbers are embossed on the DFC**
- Knockouts on both top and bottom sides of the enclosure
- Adjustable painted rail mounting assembly made of electro-galvanized steel
- Spacious enclosures facilitating ease of wiring and efficient heat dissipation
- Easily removable hinges, ideal for changing the door-opening direction
- Available in Flush and Surface mounting types
- Available up to 6 rows and each row can have up to 24 modules***
- Customized powder coating colors and textures upon request
- C-bend on hinge door for additional stiffness and strength****

*	Available for 1-3 Rows 16 Modules
**	Available for 1-4 Rows 16 Modules
***	Refer to Order Reference Tables
****	Available for 4-6 Rows 16 Modules

Product Range



Modular Enclosure 12 Modules



MODULAR ENCLOSURE 12 MODULES WITH SLIDE LOCK									
No Of Rows	Ref Code		Box Dimensions			Cover Flush		Cover Surface	
	Flush	Surface	A	B	C	D	E	F	G
1	45-112MS00F	45-112MS00S	300	365	115	325	390	305	370
2	45-212MS00F	45-212MS00S	450	365	115	475	390	455	370
3	45-312MS00F	45-312MS00S	600	365	115	625	390	605	370
4	45-412MS00F	45-412MS00S	750	365	115	775	390	755	370
5	45-512MS00F	45-512MS00S	900	365	115	925	390	905	370
6	45-612MS00F	45-612MS00S	1050	365	115	1075	390	1055	370

Product Range Modular Enclosure 12 Modules

MODULAR ENCLOSURE 12 MODULES WITH KEY LOCK									
No Of Rows	Ref Code		Box Dimensions			Cover Flush		Cover Surface	
	Flush	Surface	A	B	C	D	E	F	G
1	45-112MK00F	45-112MK00S	300	365	115	325	390	305	370
2	45-212MK00F	45-212MK00S	450	365	115	475	390	455	370
3	45-312MK00F	45-312MK00S	600	365	115	625	390	605	370
4	45-412MK00F	45-412MK00S	750	365	115	775	390	755	370
5	45-512MK00F	45-512MK00S	900	365	115	925	390	905	370
6	45-612MK00F	45-612MK00S	1050	365	115	1075	390	1055	370

MODULAR ENCLOSURE 12 MODULES WITH SLIDE LOCK, EARTH & NEUTRAL									
No Of Rows	Ref Code		Box Dimensions			Cover Flush		Cover Surface	
	Flush	Surface	A	B	C	D	E	F	G
1	45-112MSNEF	45-112MSNES	300	365	115	325	390	305	370
2	45-212MSNEF	45-212MSNES	450	365	115	475	390	455	370
3	45-312MSNEF	45-312MSNES	600	365	115	625	390	605	370
4	45-412MSNEF	45-412MSNES	750	365	115	775	390	755	370
5	45-512MSNEF	45-512MSNES	900	365	115	925	390	905	370
6	45-612MSNEF	45-612MSNES	1050	365	115	1075	390	1055	370

MODULAR ENCLOSURE 12 MODULES WITH TRANSPARENT DOOR, KEYLOCK, EARTH & NEUTRAL									
No Of Rows	Ref Code		Box Dimensions			Cover Flush		Cover Surface	
	Flush	Surface	A	B	C	D	E	F	G
1	45-112TKNEF	45-112TKNES	300	365	115	325	390	305	370
2	45-212TKNEF	45-212TKNES	450	365	115	475	390	455	370
3	45-312TKNEF	45-312TKNES	600	365	115	625	390	605	370
4	45-412TKNEF	45-412TKNES	750	365	115	775	390	755	370
5	45-512TKNEF	45-512TKNES	900	365	115	925	390	905	370
6	45-612TKNEF	45-612TKNES	1050	365	115	1075	390	1055	370



Product Range

Modular Enclosure 16 Modules



MODULAR ENCLOSURE 16 MODULES WITH SLIDE LOCK									
No Of Rows	Ref Code		Box Dimensions			Cover Flush		Cover Surface	
	Flush	Surface	A	B	C	D	E	F	G
1	45-116MS00F	45-116MS00S	300	440	115	325	465	305	445
2	45-216MS00F	45-216MS00S	450	440	115	475	465	455	445
3	45-316MS00F	45-316MS00S	600	440	115	625	465	605	445
4	45-416MS00F	45-416MS00S	750	440	115	775	465	755	445
5	45-516MS00F	45-516MS00S	900	440	115	925	465	905	445
6	45-616MS00F	45-616MS00S	1050	440	115	1075	465	1055	445

Product Range Modular Enclosure 16 Modules

MODULAR ENCLOSURE 16 MODULES WITH KEY LOCK									
No Of Rows	Ref Code		Box Dimensions			Cover Flush		Cover Surface	
	Flush	Surface	A	B	C	D	E	F	G
1	45-116MK00F	45-116MK00S	300	440	115	325	465	305	445
2	45-216MK00F	45-216MK00S	450	440	115	475	465	455	445
3	45-316MK00F	45-316MK00S	600	440	115	625	465	605	445
4	45-416MK00F	45-416MK00S	750	440	115	775	465	755	445
5	45-516MK00F	45-516MK00S	900	440	115	925	465	905	445
6	45-616MK00F	45-616MK00S	1050	440	115	1075	465	1055	445

MODULAR ENCLOSURE 16 MODULES WITH SLIDE LOCK, EARTH & NEUTRAL									
No Of Rows	Ref Code		Box Dimensions			Cover Flush		Cover Surface	
	Flush	Surface	A	B	C	D	E	F	G
1	45-116MSNEF	45-116MSNES	300	440	115	325	465	305	445
2	45-216MSNEF	45-216MSNES	450	440	115	475	465	455	445
3	45-316MSNEF	45-316MSNES	600	440	115	625	465	605	445
4	45-416MSNEF	45-416MSNES	750	440	115	775	465	755	445
5	45-516MSNEF	45-516MSNES	900	440	115	925	465	905	445
6	45-616MSNEF	45-616MSNES	1050	440	115	1075	465	1055	445

MODULAR ENCLOSURE 16 MODULES WITH TRANSPARENT DOOR, KEYLOCK, EARTH & NEUTRAL									
No Of Rows	Ref Code		Box Dimensions			Cover Flush		Cover Surface	
	Flush	Surface	A	B	C	D	E	F	G
1	45-116TKNEF	45-116TKNES	300	440	115	325	465	305	445
2	45-216TKNEF	45-216TKNES	450	440	115	475	465	455	445
3	45-316TKNEF	45-316TKNES	600	440	115	625	465	605	445
4	45-416TKNEF	45-416TKNES	750	440	115	775	465	755	445
5	45-516TKNEF	45-516TKNES	900	440	115	925	465	905	445
6	45-616TKNEF	45-616TKNES	1050	440	115	1075	465	1055	445



Product Range

Modular Enclosure 24 Modules



MODULAR ENCLOSURE 24 MODULES WITH SLIDE LOCK									
No Of Rows	Ref Code		Box Dimensions			Cover Flush		Cover Surface	
	Flush	Surface	A	B	C	D	E	F	G
4	45-424MS00F	45-424MS00S	750	584	115	775	609	755	589
5	45-524MS00F	45-524MS00S	900	584	115	925	609	905	589
6	45-624MS00F	45-624MS00S	1050	584	115	1075	609	1055	589

10

Product Range Modular Enclosure 24 Modules

MODULAR ENCLOSURE 24 MODULES WITH KEY LOCK									
No Of Rows	Ref Code		Box Dimensions			Cover Flush		Cover Surface	
	Flush	Surface	A	B	C	D	E	F	G
4	45-424MK00F	45-424MK00S	750	584	115	775	609	755	589
5	45-524MK00F	45-524MK00S	900	584	115	925	609	905	589
6	45-624MK00F	45-624MK00S	1050	584	115	1075	609	1055	589

MODULAR ENCLOSURE 24 MODULES WITH SLIDE LOCK, EARTH & NEUTRAL									
No Of Rows	Ref Code		Box Dimensions			Cover Flush		Cover Surface	
	Flush	Surface	A	B	C	D	E	F	G
4	45-424MSNEF	45-424MSNES	750	584	115	775	609	755	589
5	45-524MSNEF	45-524MSNES	900	584	115	925	609	905	589
6	45-624MSNEF	45-624MSNES	1050	584	115	1075	609	1055	589

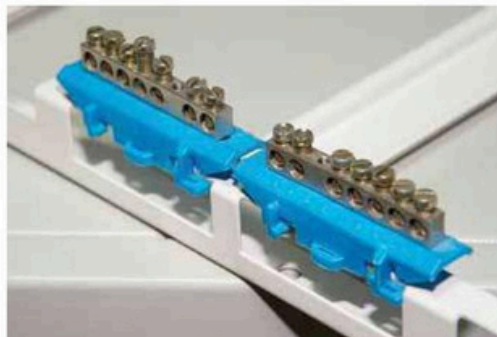


Technical Data

OPTIONS

- Door with transparent window
- Door with cam type key-lock
- Customized enclosure depth
- Enclosures in other colors
- Extruded earth terminals
- Snap fit style neutral terminals

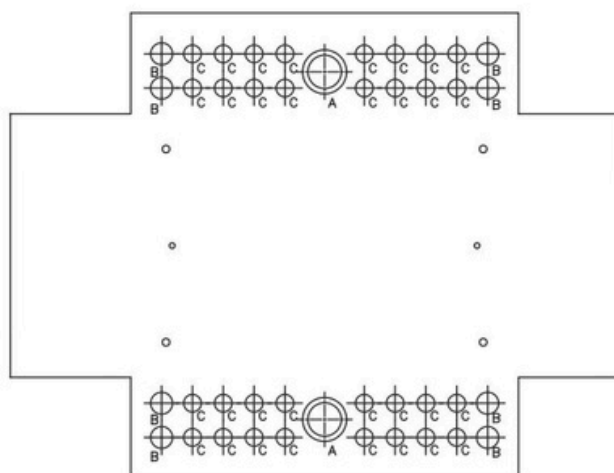
Above options are available upon request.



GLAND BOX:

Item code	Dimension
45-GB16ME	16 Module 440(w)X200(h)X115(d)
45-GB24ME	24 Module 584(w)X200(h)X115(d)

(Knockout layout)



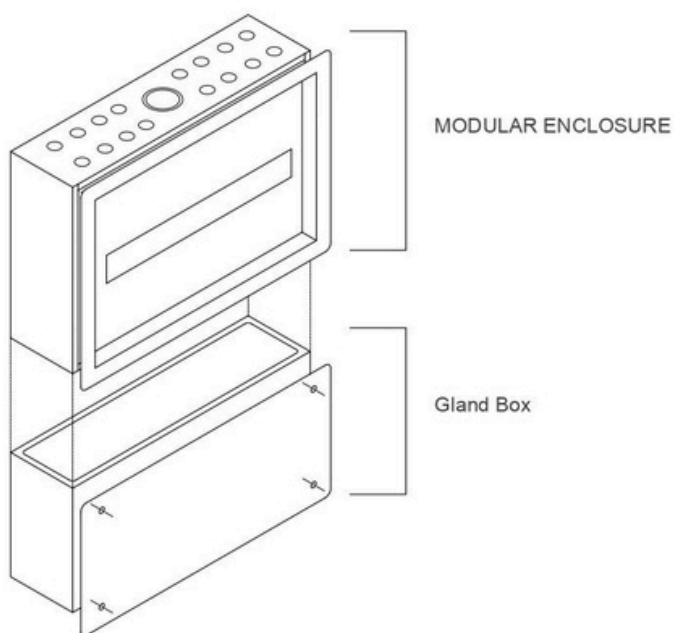
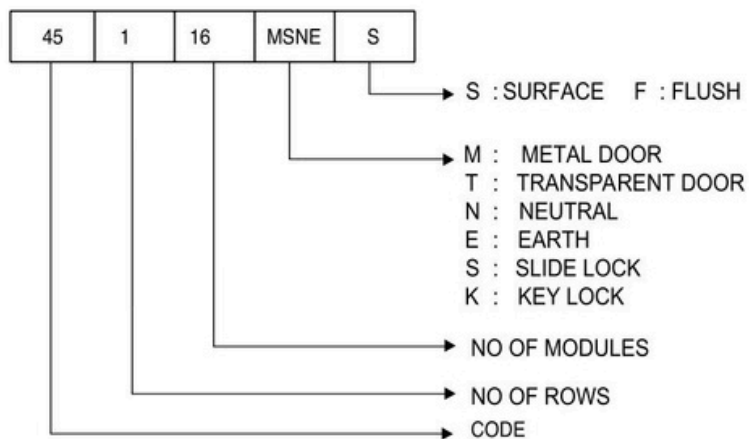
KNOCKOUT DETAILS:
 A - $\phi 38/\phi 50$ DOUBLE KNOCKOUT - 2NOS.
 B - $\phi 25$ KNOCKOUT - 8NOS.
 C - $\phi 20$ KNOCKOUT - 32NOS.

* Typical knockout details of 16 module (Details for other varieties will be provided upon request)

Coding

CODING KEY

CODE DETAIL FOR MODULAR ENCLOSURE



Certifications



alfanar PRODUCTS ARE APPROVED BY:

- SEC - Saudi Electric Company
- SAUDI ARAMCO - Saudi Arabian Oil Company
- SABIC - Saudi Basic Industries Corporation
- SASO - Saudi Arabian Standards Organization
- Several Ministries, Universities and Governmental Organizations In Saudi Arabia
- Abu Dhabi Water and Electricity Authority (ADWEA) - UAE
- Abu Dhabi Distribution Co. (ADDC) - UAE
- Al Ain Distribution Co. (AADC) - UAE
- Sharjah Electricity & Water Authority (SEWA) - UAE
- Ministry of Public Works (MOPW) - UAE
- Ministry of Electricity, Bahrain
- State Electricity Board Of Qatar
- Public Electricity Corporation, Ministry Of Electricity, Yemen
- Dubai Water & Electricity Authority (DEWA) - UAE
- Federal Electricity & Water Authority (FEWA) - UAE

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

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



QHSE POLICY

alfanar Electrical Systems L.L.C., recognizes its corporate and social responsibility and commits to provide high Quality Products & Service , Safe and Healthy Environment to all the employees and interested parties.

Our policy governs the following commitments:

- Achieve customer satisfaction by providing products conforming to governing standards and consistent quality.
- Comply with Health, Safety and Environment (HSE) Legislation as well as statutory, regulatory and other requirements.
- Identify and assess all HSE hazards or aspects involved in our operations and products and define effective control measures to mitigate HSE Risks.
- Redefine and execute new processes/ systems to meet market/business requirement.
- Prevent occurrence of injury, ill-health and environmental pollution.
- Control and optimize wastage and conserve resources.
- Develop and maintain a motivated team of competent employees and vendors and create awareness and sense of responsibility towards QHSE among them.
- Communicate QHSE requirements effectively throughout the organization and interested parties.
- Continually improve QHSE management systems performance by structured audits, management reviews, monitoring & measurements.

Guiding principle to achieve these objectives are based on ISO:9001:2008, ISO:14001:2004, OHSAS 18001:2007, Legal and other requirements.

Management extends its full support to this program and ensures that all the employees are guided by the systems and procedures laid down in the QHSE Manual.



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Switches, Sockets, Distribution Boards, & Circuit Breakers



Our customer satisfaction rate was 94.4%
on services delivered by our Technical Support team.

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Overview

Alfanar's Compact design of wall mounted Data Cabinet enclosures are ideal for network installations including switches, branch routers, telecom and low density cable patching. Its made out of High quality Electro galvanized steel and high quality polyster powder coated.

Front door features a Tamper proof Key type lock, Easily removable spring loaded hinges ideal for changing the door opening direction, clear veiwing window made out of Tempered Glass and Earth stud provision on the door for electric shock protection and to comply with Regulations. Removable gland plates & multiple knockouts are provided on the Top & Bottom of the enclosures for ease of cabling.

Technical Specification

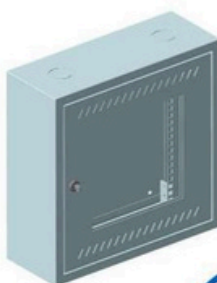
Material	1.0mm Thick Electro Galvanized steel
Finish	Powder coat light grey Ral7035
	Other colors available on request
Glass	4mm thick Tempered Glass
Lock	Key type lock
Cabling	Top & Bottom Entry
Mounting	Wall Mounting (Surface & Flush)
U Size	12U

Product Range

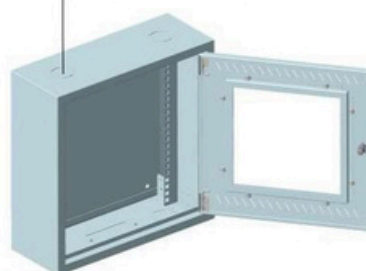
PN	Description
47DCE606015*	ONT CABINET 600X600X150 SURFACE (*=S) / FLUSH (*=F)
47DCE606030*	ONT CABINET 600X600X300 SURFACE (*=S) / FLUSH (*=F)
47DCE404015*	ONT CABINET 400X400X150 SURFACE (*=S) / FLUSH (*=F)



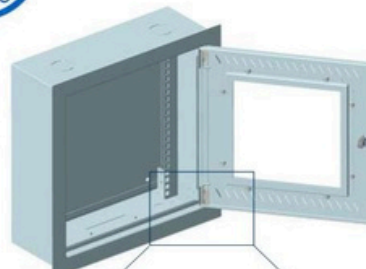
Surface



Additional knockout for glanding
Top & Bottom Gland plates



Flush



SMART SENSE SUPPLIES

LIGHTING / WIRES & ARMoured CABLES / ELECTRICAL ACCESSORIES



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