

alfanar SWITCH BOXES



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Introduction

alfanar has a long history of manufacturing safe and reliable electrical products. We use the highest quality materials for our switch boxes to provide the mechanical strength and durability required throughout their service life.

The registered design of **alfanar**'s switch boxes simplifies electrical wiring connections and accessory installations.

Their versatility and high-performance reliability make them ideal for residential and commercial building installation.

To ensure end user safety and confidence, our switch boxes comply with national and international standards, and are type tested as per SASO 2945:2020 and BS4662.



Application

alfanar switch boxes are widely used for the installation of wiring and accessories in residential, commercial and industrial buildings. Their easy installation features simplify connections and increase installation productivity while providing safe and reliable electrical performance.

Product Features

1. Design

Registered Design



Registered in KACST (King Abdulaziz City for Science and Technology, the Saudi Arabia industrial design certifying authority to prevent design infringement).

3. Reliability

a. High corrosion resistant enclosure and internal parts



To protect against corrosion, our switch boxes are fabricated using high quality hot-dipped Galvanized steel sheet material.

This process has been validated using the Salt Spray test to ensure the functionality of the switch boxes under the harshest atmospheric corrosive conditions.

2. Safety

Protection against electric shock



Effective earth continuity is ensured in our switch boxes, for varieties that include brass or steel terminals, to protect operators against any possible electrical shock.

Earth terminals are pivoted to ensure tightness and earth continuity.

b. Mechanical strength



Switch boxes are designed and manufactured to ensure adequate mechanical strength during installation and durability throughout their service life.

Furthermore, the lugs have threaded hole which increases their reliability and resistance to damage even after multiple use.

Product Features

4. Installation

a. Knockouts



Knockouts are designed to handle multiple sized conduits and glands of international standards. They can be easily removed with little effort even after the switch boxes have been installed on walls. **alfanar** switch boxes have smooth edges that won't damage the conduits and wires or injure the user.

b. Adjustable lug



alfanar switch boxes include adjustable lugs which are useful in aligning accessories and their overall placement on walls, giving your accessories a neater, balanced look.

c. Switch boxes with coupler(s)

Switch boxes with coupler(s) are used for perfect alignment and to maintain a uniform gap between wiring accessories to give them an elegant look.



1. Two-module: Two switch boxes connected by special **alfanar** coupler



2. Three-module: Three switch boxes connected by special **alfanar** couplers



3. Four-module: Four switch boxes connected by special **alfanar** couplers

d. Cement guard

Cement guards are included in **alfanar** switch boxes to protect the product from cement deposit during installation.

The cement guards also keep the switch boxes clean for the installation of the wires and accessories.

Cement guards save time and installation effort compared to previous methods.



Product Features

5. Type Testing

a. Design and manufacturing

Extensive care is taken during the designing and manufacturing stages of switch boxes to ensure the safety of the end user. **alfanar** switch boxes are type tested as per SASO 2945:2020 and BS4662.

b. Routine tests

Each of our products undergo strict quality control checks as per the routine verification tests mentioned in the standard.

c. Certificates

TEST CERTIFICATE

DEKRA

Issued to: Alfancar Electrical Systems
Madinet alfancar
3rd Industrial City, P.O. Box 564,
Riyadh: 11303 Saudi Arabia

Subject: Type testing

For the product: Box for flush mounting of electrical accessories

Trade name: Alfancar / AF

Type/Model: the box is provided with adjustable lug having brass earth terminal

Sizes: (in mm)
(7x7x350)
(7x7x470)
(7x14x350)
(7x14x470)
0,9 to 1,1 mm thickness

Manufacturer/ Production sites
Alfancar Electrical Systems
Madinet alfancar
3rd Industrial City, P.O. Box 564,
Riyadh: 11303 Saudi Arabia

Alfancar Electrical Systems L.L.C.
Dubai Investment Park 1
P.O. Box 262735,
Dubai
United Arab Emirates

Requirements: BS 4662:2006 + A1:2009

Remarks: The products comply with the above mentioned requirements

This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no. 2217001.02.

The examination has been carried out on one set of three specimens 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.

Amhem, 24 July 2017 Number: 2217001.02

DEKRA Certification B.V.

drs. G.J. Zoelbroed
Managing Director

F.S. Shrivastava
Certification Manager

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TEST CERTIFICATE

DEKRA

Issued to: Alfancar Electrical Systems
Madinet alfancar
3rd Industrial City, P.O. Box 564,
Riyadh: 11303 Saudi Arabia

Subject: Type testing

For the product: Box for flush mounting of electrical accessories

Trade name: Alfancar / AF

Type/Model: the box is provided with fixed lug having steel earth terminal

Sizes: (in mm)
(7x7x350)
(7x7x470)
(7x14x350)
(7x14x470)
0,9 to 1,1 mm thickness

Manufacturer/ Production sites
Alfancar Electrical Systems
Madinet alfancar
3rd Industrial City, P.O. Box 564,
Riyadh: 11303 Saudi Arabia

Alfancar Electrical Systems L.L.C.
Dubai Investment Park 1
P.O. Box 262735,
Dubai
United Arab Emirates

Requirements: BS 4662:2006 + A1:2009

Remarks: The products comply with the above mentioned requirements

This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no. 2217001.08.

The examination has been carried out on one set of three specimens 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.

Amhem, 24 July 2017 Number: 2217001.08

DEKRA Certification B.V.

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Managing Director

F.S. Shrivastava
Certification Manager

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Technical Specifications

Technical Data	
Standard	SASO 2945:2020 and BS4662.
Electrical	
Voltage range	120-440V AC
Frequency	50/60 Hz
Construction Features	
Material	Hot-Dipped Galvanized Steel Sheet (Corrosion Resistant)
Steel thickness	0.9mm / 1.1mm
Knockout sizes	Ø 20.5 / Ø 26.5
Features / Varieties:	<ol style="list-style-type: none"> 1. With Brass Earth Terminal 2. With Steel Earth Terminal 3. With Adjustable Lug(s) 4. With Coupler(s) 5. Without Earth Terminal 6. With Provision for Earth
Dimensions	<ol style="list-style-type: none"> 1. 72(h) x 72(w) x 35(d)mm 2. 72(h) x 72(w) x 47(d)mm 3. 72(h) x 132(w) x 35(d)mm 4. 72(h) x 132(w) x 47(d)mm



Available Varieties and Ordering Details

Switch box W: 72 mm, L: 72 mm, D: 35 mm

Legend:

- BE: Brass Earth
- SE: Steel Earth
- CG: Cement Guard
- ADL: Adjustable Lug
- COUPLER: Plastic coupler between boxes
- PE: Provision for Earth terminal



No.	Item code	Steel Thickness	Accessory	Knockout details
1	30-010707EXG	0.9 mm	CG	5X20.5 + 6X26.5 mm
2	30-010707G	0.9 mm	CG	5X20.5 + 6X26.5 mm
3	30-010707D	0.9 mm	CG	5X20.5 + 6X26.5 mm
4	30-020707G	0.9 mm	SE, CG	5X20.5 + 6X26.5 mm
5	30-020707D	0.9 mm	SE, CG	7X20.5 + 4X26.5 mm
6	30-020707MG	0.9 mm	SE, CG	7X20.5 + 4X26.5 mm
7	30-030707G	0.9 mm	BE, CG	5X20.5 + 6X26.5 mm
8	30-030707D	0.9 mm	BE, CG	7X20.5 + 4X26.5 mm
9	30-030707MG	0.9 mm	BE, CG	7X20.5 + 4X26.5 mm
10	30-060707G	0.9 mm	BE, ADL, CG	5X20.5 + 6X26.5 mm
11	30-060707D	0.9 mm	BE, ADL, CG	6X20.5 + 5X26.5 mm
8	30-150707G	0.9 mm	PE, ADL	5X20.5 + 6X26.5 mm
9	30-P10707G	0.9 mm	PE, CG	5X20.5 + 6X26.5 mm
10	30-P10707I	0.9 mm	PE	5X20.5 + 6X26.5 mm
11	30-P10707MG	0.9 mm	PE, CG	7X20.5 + 4X26.5 mm
12	30-PS10707G	0.9 mm	PE, CG	11X20.5 mm
13	30-PS10707I	0.9 mm	PE	2X20.5 + 9X26.5 mm
14	30-070707G	1.1 mm	CG	5X20.5 + 6X26.5 mm
15	30-090707G	1.1 mm	BE, CG	5X20.5 + 6X26.5 mm
16	30-120707G	1.1 mm	BE, ADL, CG	6X20.5 + 5X26.5 mm
17	30-120707G2ADJ	1.1 mm	BE, 2 ADL, CG	5X20.5 + 6X26.5 mm
18	30-BS120707D	1.1 mm	BE, ADL, CG	7X20.5 + 4X26.5 mm

Available Varieties and Ordering Details

Switch box W: 132 mm, L: 72 mm, D: 35 mm

Legend:

BE:	Brass Earth
SE:	Steel Earth
CG:	Cement Guard
ADL:	Adjustable Lug
COUPLER:	Plastic coupler between boxes
PE:	Provision for Earth terminal



No.	Item code	Steel Thickness	Accessory	KO details
1	22-020714G	0.9 mm	SE, CG	11X20.5 + 3X26.5 mm
2	30-010714G	0.9 mm	CG	11X20.5 + 3X26.5 mm
3	30-020714G	0.9 mm	SE, CG	11X20.5 + 3X26.5 mm
4	30-030714G	0.9 mm	BE, CG	11X20.5 + 3X26.5 mm
5	30-060714G	0.9 mm	BE, ADL, CG	11X20.5 + 3X26.5 mm
6	30-150714G	0.9 mm	SE, ADL, CG	8X20.5 + 6X26.5 mm
7	30-P10714G	0.9 mm	PE, CG	11X20.5 + 3X26.5 mm
8	30-PS10714G	0.9 mm	PE, CG	14X20.5 mm
9	30-070714G	1.1 mm	CG	11X20.5 + 3X26.5 mm
10	30-090714G	1.1 mm	BE, CG	11X20.5 + 3X26.5 mm
11	30-120714G	1.1 mm	BE, ADL, CG	11X20.5 + 3X26.5 mm

Switch box W: 72 mm, L: 72 mm, D: 47 mm

Legend:

BE:	Brass Earth
SE:	Steel Earth
CG:	Cement Guard
ADL:	Adjustable Lug
COUPLER:	Plastic coupler between boxes
PE:	Provision for Earth terminal



No.	Item code	Steel Thickness	Accessory	KO details
1	30-200707G	0.9 mm	PE, CG	5X20.5 + 6X26.5 mm
2	30-230707G	0.9 mm	BE, CG	5X20.5 + 6X26.5 mm
3	30-260707G	0.9 mm	BE, ADL, CG	5X20.5 + 6X26.5 mm
4	30-260707G-WOJ	0.9 mm	BE, ADL, CG	6X20.5 + 5X26.5 mm
5	30-270707G	0.9 mm	ADL, CG	5X20.5 + 6X26.5 mm
6	30-330707G	1.1 mm	BE, CG	6X20.5 + 5X26.5 mm
7	30-360707G	1.1 mm	BE, ADL, CG	6X20.5 + 5X26.5 mm
8	30-360707G2ADJ	1.1 mm	BE, 2 ADL, CG	6X20.5 + 5X26.5 mm
9	30-360707SPLG	1.1 mm	BE, ADL, CG	2X20.5 + 9X26.5 mm

Switch box W: 132 mm, L: 72 mm, D: 47 mm

Legend:

BE: Brass Earth
 SE: Steel Earth
 CG: Cement Guard
 ADL: Adjustable Lug
 COUPLER: Plastic coupler between boxes
 PE: Provision for Earth terminal

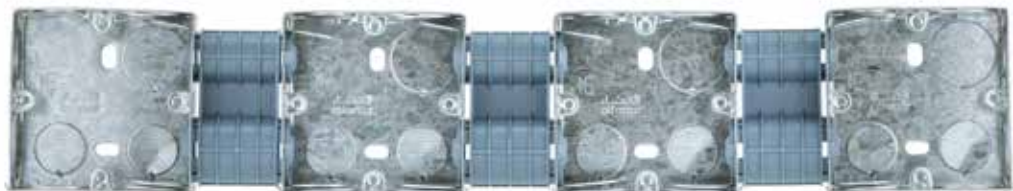


No.	Item code	Steel Thickness	Accessory	KO details
1	30-200714G	0.9 mm	CG	7X20.5 + 7X26.5 mm
2	30-230714G	0.9 mm	BE, CG	7X20.5 + 7X26.5 mm
3	30-260714G	0.9 mm	BE, ADL, CG	7X20.5 + 7X26.5 mm
4	30-330714G	1.1 mm	BE, CG	7X20.5 + 7X26.5 mm
5	30-360714G	1.1 mm	BE, ADL, CG	7X20.5 + 7X26.5 mm
6	30-360714SPLG	1.1 mm	BE, ADL, CG	3X20.5 + 11X26.5 mm

Switch box with Coupler W: 72 mm, L: 72 mm, D: 35 mm

Legend:

BE: Brass Earth
 SE: Steel Earth
 CG: Cement Guard
 ADL: Adjustable Lug
 COUPLER: Plastic coupler between boxes
 PE: Provision for Earth terminal

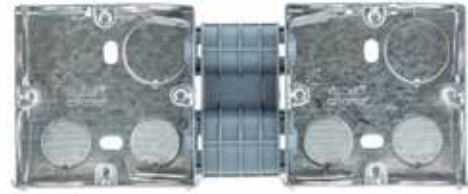


No.	Item code	Steel Thickness	Accessory	KO details
1	30-0107072CG	0.9 mm	Coupler, CG	5X20.5 + 6X26.5 mm
2	30-0107073CG	0.9 mm	Coupler, CG	5X20.5 + 6X26.5 mm
3	30-0107074CG	0.9 mm	Coupler, CG	5X20.5 + 6X26.5 mm

Switch box with Coupler W: 72 mm, L: 72 mm, D: 47 mm

Legend:

- BE: Brass Earth
SE: Steel Earth
CG: Cement Guard
ADL: Adjustable Lug
COUPLER: Plastic coupler between boxes
PE: Provision for Earth terminal



No.	Item code	Steel Thickness	Accessory	KO details
1	30-2007072CG	0.9 mm	Coupler, CG	5X20.5 + 6X26.5 mm
2	30-2007073CG	0.9 mm	Coupler, CG	5X20.5 + 6X26.5 mm
3	30-2007074CG	0.9 mm	Coupler, CG	5X20.5 + 6X26.5 mm

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Notes

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