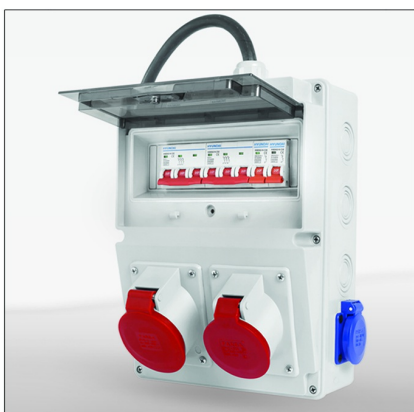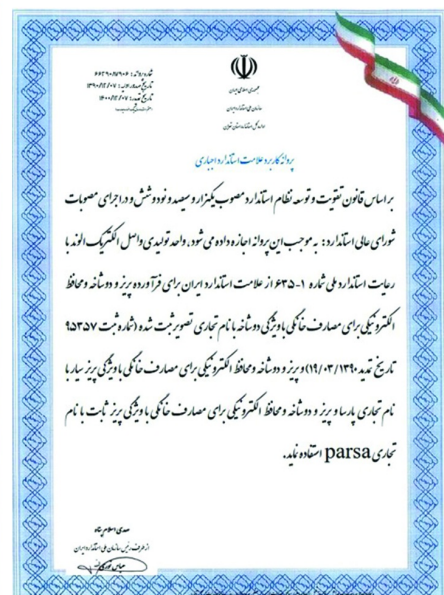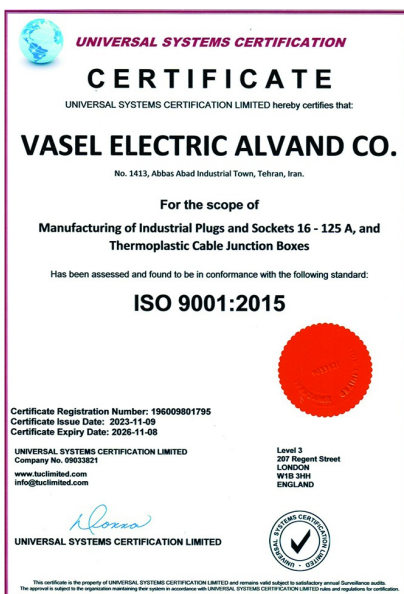# PARSA

VASEL ELECTRIC ALVAND.CO

About us

Vasel Electric Alvand Company was established in 1993 with the aim of meeting the needs of the domestic industry and launched its products under the brand name "PARSA". This company initially started its activity with the production of industrial plugs and sockets, and over time, while becoming the largest domestic manufacturer of industrial plugs and sockets (16–125 amps) and the market leader in this field, it expanded its product portfolio with the production of electrical equipment enclosures, boxes and cabinets. Currently, more than 150 different types of products are produced in this company and are supplied to domestic and foreign markets. In all these years consumer rights, high quality and fair price are major goals of Vasel electric alvand.

UNIVERSAL SYSTEMS CERTIFICATION
CERTIFICATE
UNIVERSAL SYSTEMS CERTIFICATION LIMITED hereby certifies that:

VASEL ELECTRIC ALVAND CO.
No. 1413, Abbas Abad Industrial Town, Tehran, Iran.

For the scope of
Manufacturing of Industrial Plugs and Sockets 16 - 125 A, and
Thermoplastic Cable Junction Boxes

Has been assessed and found to be in conformance with the following standard:

ISO 9001:2015

Certificate Registration Number: 196009801795
Certificate Issue Date: 2023-11-09
Certificate Expiry Date: 2026-11-08
UNIVERSAL SYSTEMS CERTIFICATION LIMITED
Company No. 09033821
www.tuclimited.com
info@tuclimited.com

Level 3
207 Regent Street
LONDON
W1B 3HH
ENGLAND

UNIVERSAL SYSTEMS CERTIFICATION LIMITED

This certificate is the property of UNIVERSAL SYSTEMS CERTIFICATION LIMITED and remains valid subject to satisfactory annual Surveillance audits.
The approval is subject to the organization maintaining their system in accordance with UNIVERSAL SYSTEMS CERTIFICATION LIMITED rules and regulations for certification.

UNIVERSAL SYSTEMS CERTIFICATION
Declaration of Conformity

Holder of Certificate: **VASEL ELECTRIC ALVAND CO.**
No. 1413, Abbas Abad Industrial Town, Tehran, Iran.

Product: Industrial Plugs and Sockets 16 - 125 A, Thermoplastic Cable Junction Boxes

Trade Name: **VASEL ELECTRIC ALVAND**

Reference Directives: This declaration of conformity is issued based on the manufacturer's declaration, technical documentation or product description provided by him. The above mentioned products are according to directives 2006/95/EC & 2004/108/EC on the own responsibility of manufacturer.

This CE Declaration of Conformity issued by UNIVERSAL SYSTEMS CERTIFICATION LIMITED, it is not NB Certificate and it's non-accredited. It applies only to the above referenced models of product. The manufacturer is committed to assure that all products of the respective models conform to the certified type on the own responsibility of him. UNIVERSAL SYSTEMS CERTIFICATION LIMITED reserves the right to inspect without prior notice and to cancel this certification at any time should any breach of these requirements be revealed. It does not imply that the Certification Body has performed any surveillance or control of their manufacture.

Certificate Registration Number: 196009801796
Certificate Issue Date: 2023-11-09
Certificate Expiry Date: 2026-11-08
UNIVERSAL SYSTEMS CERTIFICATION LIMITED
Company No. 09033821
www.tuclimited.com
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info@vaselelectric.com

Degrees of protection according to IEC 60529

1st numeric character is protection against foreign solid objects and 2nd one is protection against ingress of water

1st digit		Description
0		Non- protected
1		Protected against solid foreign objects of 50 mm Ø and greater
2		Protected against solid foreign objects of 12,5 mm Ø and greater
3		Protected against solid foreign objects of 2.5 mm Ø and greater
4		Protected against solid foreign objects of 1 mm Ø and greater
5		Dust-protected
6		Dust-tight

2nd digit		Description
0		Non- protected
1		Protected against vertically falling water drops
2		Protection against vertically dripping water when enclosure is tilted up to 15° off vertical
3		Protection against direct moisture spray at angles up to 60° off vertical
4		Protected against splashing water
5		Protected against water jets
6		Protected against powerful water jets
7		Protected against the effects of temporary immersion in water
8		Protected against the effects of continuous immersion in water

Example:

IP 6 6

Ingress **P**rotection

Earth contact positions and color codes according to IEC 60309-2

Earth contact position

Front view of socket

3P+N+E
3P+E
2P+E

250/440-265/460V 60 HZ
440-460 V 60 HZ
16/32A 100-300V 350V
120/208V-144/250V 50/60 HZ
200/260V 50/60 HZ
>250V DC
380-415V 50/60 HZ
50-250V DC
16/32A 300-500 HZ >50V
16/32A 300-500 HZ >50V
16/32A 380V-50 HZ 440V-60 HZ
16/32A 220/380-50 HZ 250/440-60 HZ
100-130V 50/60 HZ
57/100V-75/130V 50/60 HZ
600-690V 50/60 HZ
347/600V-400/690V 50/60 HZ
200/345V-240/415V 50/60 HZ
277/480-288/500V 50/60 HZ
480-500V 50/60 HZ

Color codes

| 20-25V |
| 40-50V |
| 100-130V |
| 200-250V |
| 380-480V |
| 500-690V |
| 60-500Hz |

Plug
2P+E-16A-6h/250V~
IP44
Code:300

Socket
2P+E-16A-6h/250V~
IP44
Code:400

Connector
2P+E-16A-6h/250V~
IP44
Code:500

Appliance Inlet
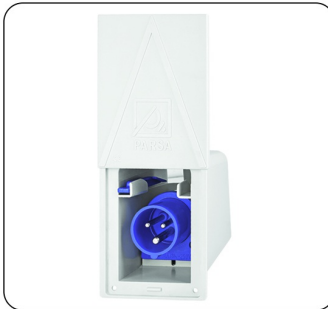2P+E-16A-6h/250V~
IP44
Code:600

Plug
3P+E-16A-6h/415V~
IP44
Code:305

Socket
3P+E-16A-6h/415V~
IP44
Code:405

Connector
3P+E-16A-6h/415V~
IP44
Code:505

Appliance Inlet
3P+E-16A-6h/415V~
IP44
Code:605

Plug
3P+N+E-16A-6h/415V~
IP44
Code:310

Socket
3P+N+E-16A-6h/415V~
IP44
Code:410

Connector
3P+N+E-16A-6h/415V~
IP44
Code:510

Appliance Inlet
3P+N+E-16A-6h/415V~
IP44
Code:610

Plug
2P+E-32A-6h/250V~
IP44
Code:315

Socket
2P+E-32A-6h/250V~
IP44
Code:415

Connector
2P+E-32A-6h/250V~
IP44
Code:515

Appliance Inlet
2P+E-32A-6h/250V~
IP44
Code:615

Plug
3P+E-32A-6h/415V~
IP44
Code:320

Socket
3P+E-32A-6h/415V~
IP44
Code:420

Connector
3P+E-32A-6h/415V~
IP44
Code:520

Appliance Inlet
3P+E-32A-6h/415V~
IP44
Code:620

Plug
3P+N+E-32A-6h/415V~
IP44
Code:325

Socket
3P+N+E-32A-6h/415V~
IP44
Code:425

Connector
3P+N+E-32A-6h/415V~
IP44
Code:525

Appliance Inlet
3P+N+E-32A-6h/415V~
IP44
Code:625

Plug
3P+N+E-16A-6h/415V~
IP66
Code:710

Socket
3P+N+E-16A-6h/415V~
IP66
Code:810

Plug
3P+N+E-32A-6h/415V~
IP66
Code:725

Socket
3P+N+E-32A-6h/415V~
IP66
Code:825

Plug
3P+E-63A-6h/415V~
IP66
Code:730

Socket
3P+E-63A-6h/415V~
IP66
Code:830

Connector
3P+E-63A-6h/415V~
IP66
Code:930

Appliance Inlet
3P+E-63A-6h/415V~
IP66
Code:980

Plug
3P+N+E-63A-6h/415V~
IP66
Code:735

Socket
3P+N+E-63A-6h/415V~
IP66
Code:835

Connector
3P+N+E-63A-6h/415V~
IP66
Code:935

Appliance Inlet
3P+N+E-63A-6h/415V~
IP66
Code:985

Plug
3P+N+E-125A-6h/415V~
IP66
Code:745

Socket
3P+N+E-125A-6h/415V~
IP66
Code:845

Connector
3P+N+E-125A-6h/415V~
IP66
Code:940

Appliance Inlet
3P+N+E-125A-6h/415V~
IP66
Code:995

Panel Appliance Inlet
2P+E-16A-6h/250V~
IP44
Code:6000

Panel Appliance Inlet
3P+E-16A-6h/415V~
IP44
Code:6050

Phase Inverter Plug
3P+N+E-32A-6h/415V~
IP44
Code:330

Phase Inverter Appliance inlet
3P+N+E-32A-6h/415V~
IP44
Code:630

PILOT
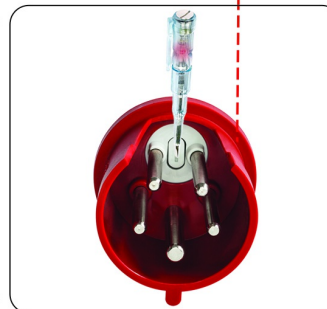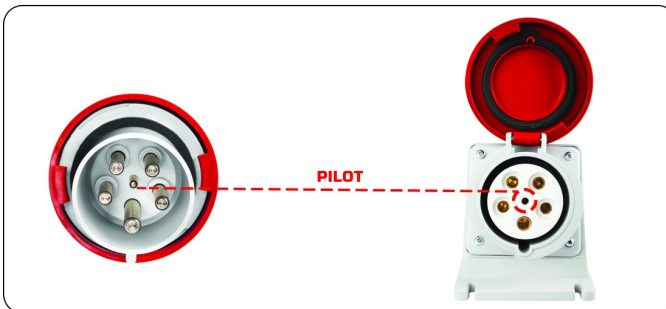
Small 4-way cable reel
4×(2P)-16A/250V~
Max cable length 25m
Code: S210

Big 4-way cable reel
4×(2P)-16A/250V~
Max cable length 50m
Code: B240

Big 4-way cable reel
4×(2P+E)-16A/250V~
Max cable length 50m
Code: B235

Big cable reel (CEE socket)
2×(2P+E)-16A + 1×(3P+E)-32A
Max cable length 50m
Code: B324

Small cable reel (wtihout socket)
Max cable length 25m
Code: S220

Big cable reel (wtihout socket)
Max cable length 50m
Code: B250

4-way cable reel (5m)
4×(2P)-16A/250V~
Code: 105

4-way cable reel (10m)
4×(2P)-16A/250V~
Code: 115

4-way rubber socket
4×(2P)-16A/250V~
Code: 107

4-way rubber socket
4×(2P)-16A/250V~
Code: 107

3-way rubber socket (3 Phase Input)
3×(2P+E-16A)/250V~
Code: S120

3-way rubber socket (1 Phase Input)
3×(2P+E)-16A/250V~
Code: S125

Rubber socket (with belt lid)
2P+E-16A/250V~
IP44
Code: S25

Rubber socket (with spring lid)
2P+E-16A/250V~
IP44
Code: S30

PVC socket (without lid)
2P+E-16A/250V~
Code: S35

Inside of rubber socket

PVC Plug (straight)

2P+E-16A/250V~
IP44
Colour ⚫
Code: P16

Rubber Plug (straight)

2P+E-16A/250V~
IP44
Colour 🟡 🔴 🔵 ⚫
Code: SP45

Rubber Plug (Angled)

2P+E-16A/250V~
IP44
Colour ⚫ ⚪
Code: P20

Inside Of Rubber Plug

Panel Mounted Socket (IP54)

2P+E-16A/250V~
IP54
Colour ⚫ 🟡 🔴 🔵 🟢 ⚫
Code: SP10

Panel Mounted Socket (IP44)

2P+E-16A/250V~
IP44
Colour ⚫ 🟡 🔴 🟢 ⚫
Code: S10

Surface Mounted Socket

2P+E-16A/250V~
IP44
Colour ⚫ 🟡 🟡 🔴 🔵 ⚫

Modular installation capability
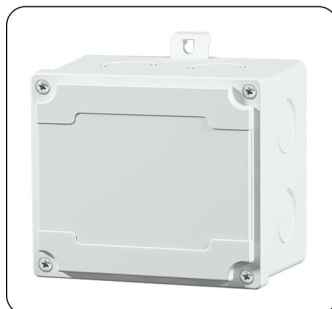
Junction Box (opaque)
Size: 100×90×65
IP66
Code:10000
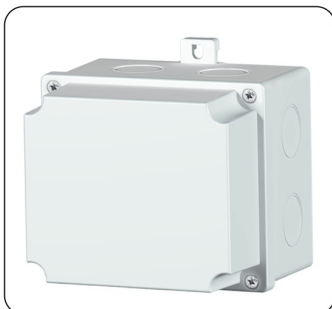
Junction Box (opaque)
Size: 100×90×95
IP66
Code:10002

Junction Box (opaque)
Size: 140×90×65
IP66
Code:14000
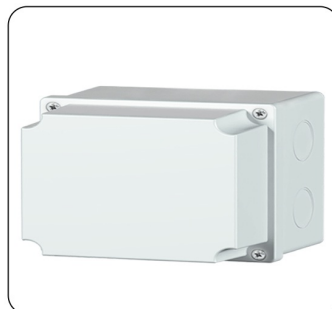
Junction Box (opaque)
Size: 140×90×95
IP66
Code:14002

Junction Box (opaque)
Size: 120×120×70
IP66
Code:12000

Junction Box (transparent)
Size: 120×120×70
IP66
Code:12001

Junction Box (opaque)
Size: 120×120×100
IP66
Code:12002

Junction Box (transparent)
Size: 120×120×100
IP66
Code:12003

Junction Box (opaque)
Size: 160×120×75
IP66
Code:16000

Junction Box (transparent)
Size: 160×120×75
IP66
Code:16001

Junction Box (opaque)
Size: 160×120×120
IP66
Code:16002

Junction Box (transparent)
Size: 160×120×120
IP66
Code:16003

Junction Box (opaque)
Size: 160×160×75
IP66
Code:16160

Junction Box (transparent)
Size: 160×160×75
IP66
Code:16161

Junction Box (opaque)
Size: 160×160×120
IP66
Code:16162

Junction Box (transparent)
Size: 160×160×120
IP66
Code:16163

Junction Box (opaque)
Size: 220×220×90
IP66
Code:22220

Junction Box (transparent)
Size: 220×220×70
IP66
Code:22221

Junction Box (opaque)
Size: 220×220×140
IP66
Code:22222

Junction Box (transparent)
Size: 220×220×140
IP66
Code:22223

Junction Box (opaque)
Size: 240×130×80
IP66
Code:24000

Junction Box (transparent)
Size: 240×130×80
IP66
Code:24001

Junction Box (opaque)
Size: 240×130×120
IP66
Code:24002

Junction Box (transparent)
Size: 240×130×120
IP66
Code:24003

Junction Box (opaque)
Size: 300×220×90
IP66
Code:30000

Junction Box (transparent)
Size: 300×220×90
IP66
Code:30001

Junction Box (opaque)
Size: 300×220×140
IP66
Code:30002

Junction Box (transparent)
Size: 300×220×140
IP66
Code:30003

Junction Box (opaque)
Size: 300×300×90
IP66
Code:30300

Junction Box (transparent)
Size: 300×300×90
IP66
Code:30301

Junction Box (opaque)
Size: 300×300×140
IP66
Code:30302

Junction Box (transparent)
Size: 300×300×140
IP66
Code:30303

Junction Box (opaque)
Size: 280×190×140
IP66
Code:27000

Junction Box (transparent)
Size: 280×190×140
IP66
Code:27001

Junction Box (opaque)
Size: 280×190×95
IP66
Code:27002

Junction Box (transparent)
Size: 280×190×95
IP66
Code:27003

Junction Box (opaque)
Size: 370×280×140
IP66
Code:37000

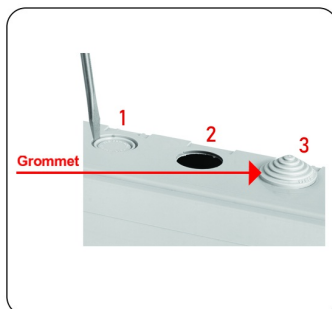**Junction Box (transparent)**
Size: 370×280×140
IP66
Code:37001

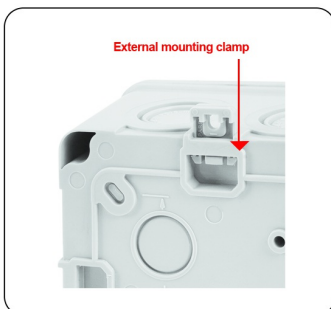**Push Button Box (Emergency)**
Size: 100×90×65

Code:10006

Push Button Box (1 Button)
Size: 100×90×65

Code:10000-01

How to install grommet

Back view of junction box

Push Button Box (2 Button)
Size: 100×90×65

Code:10000-02

Push Button Box (3 Button)
Size: 140×90×65

Code:14000-03
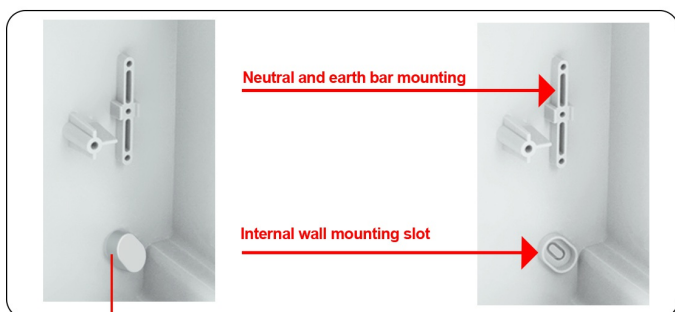
Fuse Box (10 Modules)
Size: 220×220×120
IP66
Code:22225

Fuse Box (5 Modules)
Size: 160×160×103
IP66
Code:16165

Fuse Box (3 Modules)
Size: 160×120×103
IP66
Code:16005

Fuse Box (2 Modules)
Size: 140×90×95
IP66
Code:14005

30006 Fuse Box View

16165 Fuse Box View

Fuse Box (28 Modules)
Size: 300×300×120
IP66
Code:30306

Fuse Box (20 Modules)
Size: 300×220×120
IP66
Code:30006

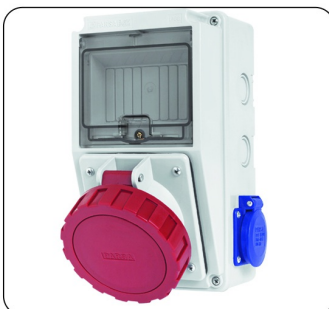**Distribution Enclosure (5 Mod)**
Size: 240×130×120
IP66
Code:24005

Distribution Enclosure (10 Mod)
Size: 300×220×120
IP66
Code:30005

Distribution Enclosure (14 Mod)
Size: 300×300×120
IP66
Code:30305

Distribution Enclosure
Size: 300×220×120
IP66
Code:30004

24005 Distribution Enclosure View

30005 Distribution Enclosure View

30305 Distribution Enclosure View

30004 Distribution Enclosure View

Cabinet with vertical lid (opaque)

Size: 280×190×164
IP66
Code:T27180

Cabinet with vertical lid (transparent)

Size: 280×190×164
IP66
Code:T27181

Cabinet with horizontal lid (opaque)

Size: 190×280×164
IP66
Code: T18270

Cabinet with horizontal lid (transparent)

Size: 190×280×164
IP66
Code: T18271

Cabinet with vertical lid (opaque)

Size: 370×280×164
IP66
Code:T37270

Cabinet with vertical lid (transparent)

Size: 370×280×164
IP66
Code:T37271

Cabinet with horizontal lid (opaque)

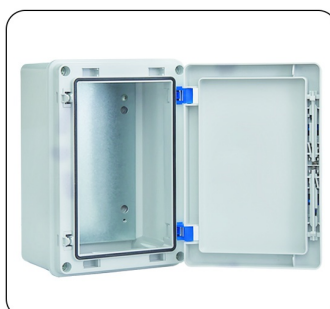Size: 280×370×164
IP66
Code: T27370

Cabinet with horizontal lid (transparent)

Size: 280×370×164
IP66
Code: T27371

Cabinet with vertical lid (opaque)

Size: 600×400×210
IP66
Code:T60400

Cabinet with vertical lid (transparent)

Size: 600×400×210
IP66
Code:T60401

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www.vaselelectric.com

PARSA

ISO
9001-2015

CE

2024 / 1403