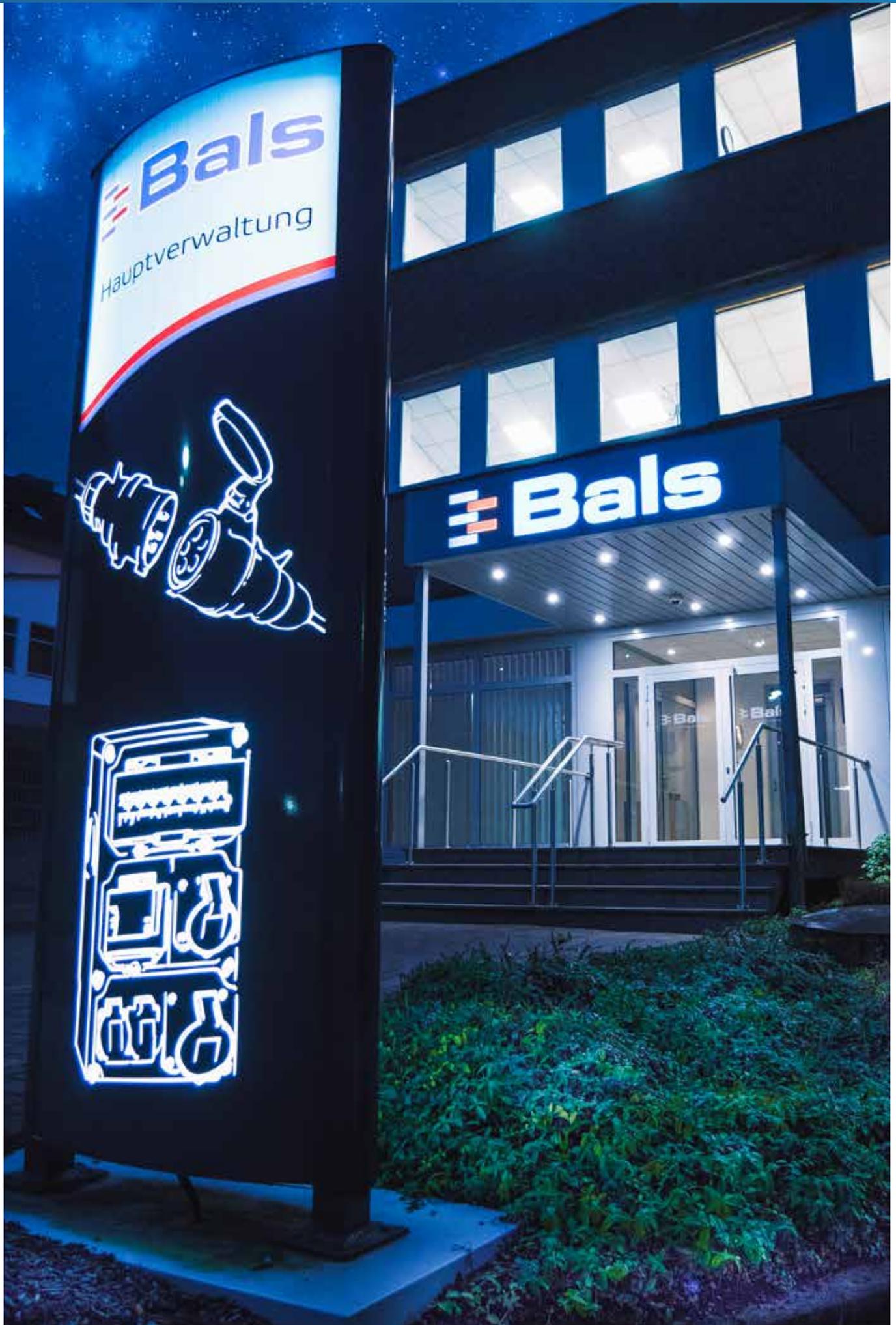


Metal Distribution Systems





About half a century competence and experience

Bals stands worldwide as a quality brand for innovation, reliability and service. For more than 65 years, we have been producing CEE plugs and connectors for the world markets. From day one we have focussed on the highest level of quality "Made in Germany". Our factories in Kirchhundem-Albaum, Würdinghausen and Freiwalde have highly skilled and motivated teams, the very latest manufac-

turing facilities and a highly efficient logistics system.

Our product portfolio ranges from plugs, phase inverters, connectors, sockets outlets and combinations units to charging plugs and sockets for electrical vehicles. Numerous certifications from German and foreign certification institutes, as well as registered designs and patents, document the high technical standard of our products.



Three modern factories a consistent quality standard

From the beginning the headquarters of our company is located in Kirchhundem-Albaum (North-Rhine-Westphalia). Product development, marketing and sales, as well as administration are located here. In addition, plug and socket systems and special products are manufactured in the Kirchhundem-Albaum factory. The factory in Freiwalde (Brandenburg), built in 1994 and expanded many times since, has state-of-the-art production facilities for fully-automatic manufacturing of unique CEE plugs and connectors as well as a highly-effective logistics centre. Bals is active since decades in the manufacturing of components for the electric vehicle charging infrastructure. From 2021 in a dedicated new factory in Kirchhundem-Würdinghausen.



CEE plugs and connectors for the world market

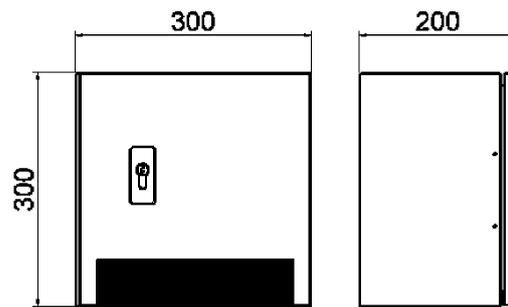
As an independent, medium-sized, family-owned company, we produce standardised industrial plugs and sockets accordance to IEC 60309- 1, 2 as well as plug and socket systems, distributors and components for the infrastructure of electrical vehicles. We set new technical standards with innovations and ground-breaking, partially patented new developments such as MULTI-GRIP or QUICK-CONNECT. The export rate in excess of 50 percent shows: Our solutions are highly valued around the world. Our products are sold in more than 80 countries. Subsidiaries and exclusive partners in strategically important countries only sell our products.



Customer proximity: You can rely on us

Always close to the customers. For us, this is no empty phrase but reality. Flexibility, customer orientation and the ability to quickly respond to short-term requirements are a matter of course for us. For this reason, integrated production - from the product idea and design to tool making and production to the shipment of the products - is optimised for short processing paths and the fastest response times.

- Dimension of enclosure: 300 x 300 mm
- Enclosure made of high-quality V2A stainless steel
- Brushed surface
- Door with box lock and single profile cylinder
- Wall mounting brackets, supplied loose
- Brush seal prevents dirt and dust from entering when door is closed
- Lockable in connected state
- Outgoing cables can be guided out through brush-sealed opening on front side
- Easy access to operating elements



45 MB 50

Ref. no. **560967**

Components:

2 Domestic sockets 16A, 230V ~
(Type F - German standard)
1 CEE socket 16A, 400V, 5p

Cable entry at bottom:

1x M20, 1x M25, 1x M32

Connection option:

for 1 cable 3 x 4 mm² and
1 cable 5 x 4 mm²



Ref. no. **560508**

Components:

1 Domestic socket 16A, 230V ~
(Type F - German standard)
1 CEE socket 16A, 400V, 5p
1 CEE socket 32A, 400V, 5p

Cable entry at bottom:

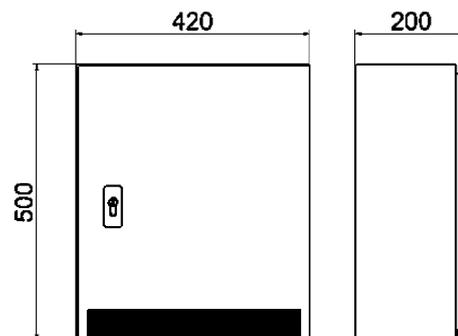
1x M20, 1x M25, 1x M32

Connection option:

for 1 cable 3 x 4 mm²,
1 cable 5 x 4 mm² and
1 cable 5 x 6 mm²



- Dimension of enclosure: 500 x 420 mm
- Enclosure made of high-quality V2A stainless steel
- Brushed surface
- Door with box lock and single profile cylinder
- Wall mounting brackets, supplied loose
- Brush seal prevents dirt and dust from entering when door is closed
- Lockable in connected state
- Outgoing cables can be guided out through brush-sealed opening on front side
- Easy access to operating elements



45 MB 17

Ref. no. **560384**

Components:

2 Domestic sockets 16A, 230V ~
(Type F - German standard)
1 CEE socket 16A, 400V, 5p
1 CEE socket 32A, 400V, 5p

Protection:

2 C-type MCBs 16A, 1p
1 C-type MCB 16A, 3p
1 C-type MCB 32A, 3p
1 RCCB 63/0.03A, 4p

Cable entry at bottom:

1x M25, 1x M32, 1x M40

Connection option:

for 2 cables up to 5 x 25 mm²



Ref. no. **562373**

Components:

2 Domestic sockets 16A, 230V ~
(Type F - German standard)
2 CEE sockets 16A, 400V, 5p

Protection:

2 C-type MCBs 16A, 1p
2 C-type MCBs 16A, 3p
1 RCCB 40/0.03A, 4p

Cable entry at bottom:

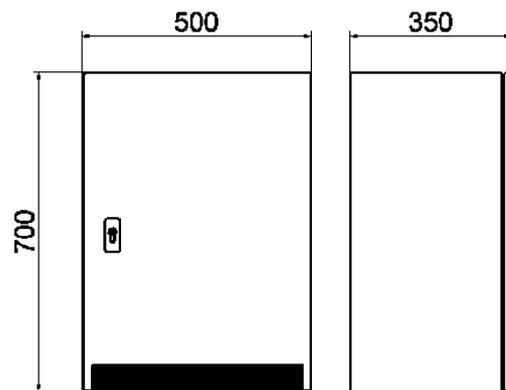
1x M25, 1x M32, 1x M40

Connection option:

for 2 cables up to 5 x 25 mm²



- Dimension of enclosure: 700 x 500 mm
- Enclosure made of high-quality V2A stainless steel
- Brushed surface
- Door with box lock and single profile cylinder
- Wall mounting brackets, supplied loose
- Brush seal prevents dirt and dust from entering when door is closed
- Lockable in connected state
- Outgoing cables can be guided out through brush-sealed opening on front side
- Easy access to operating elements



45 MB 45

Ref. no. **562374**

Components:

- 4 Domestic sockets 16A, 230V ~ (Type F - German standard)
- 1 CEE socket 16A, 400V, 5p
- 1 CEE socket 32A, 400V, 5p
- 1 CEE socket 63A, 400V, 5p

Protection:

- 4 C-type MCBs 16A, 1p
- 1 C-type MCB 16A, 3p
- 1 C-type MCB 32A, 3p
- 1 C-type MCB 63A, 3p
- 2 RCCB 63/0.03A, 4p
- 2 fuse bases D02, 3p

Cable entry at bottom:

- 2x M63

Connection option:

- for 2 cables up to 5 x 50 mm²



Ref. no. **562377**

Components:

- 4 Domestic sockets 16A, 230V ~ (Type F - German standard)
- 2 CEE sockets 16A, 400V, 5p
- 2 CEE sockets 32A, 400V, 5p

Protection:

- 4 C-type MCBs 16A, 1p
- 2 C-type MCBs 16A, 3p
- 2 C-type MCBs 32A, 3p
- 1 RCCB 63/0.03A, 4p

Cable entry at bottom:

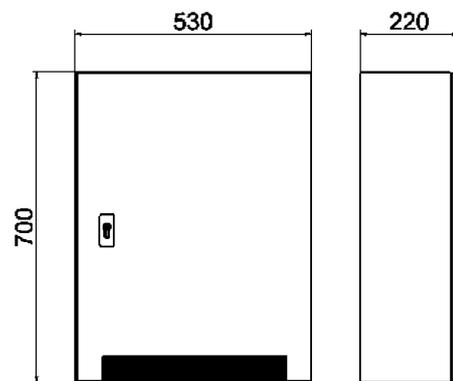
- 1x M40, 1x M50, 1x M63

Connection option:

- for 2 cables up to 5 x 25 mm²



- Dimension of enclosure: 700 x 530 mm
- Enclosure made of high-quality V2A stainless steel
- Brushed surface
- Door with box lock and single profile cylinder
- Wall mounting brackets, supplied loose
- Brush seal prevents dirt and dust from entering when door is closed
- Lockable in connected state
- Outgoing cables can be guided out through brush-sealed opening on front side
- Easy access to operating elements



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Ref. no. **561449**

Components:

- 2 Domestic sockets 16A, 230V ~ (Type F - German standard)
- 1 CEE socket 16A, 400V, 5p
- 1 CEE socket 32A, 400V, 5p
- 1 CEE socket 63A, 400V, 5p

Protection:

- 2 C-type MCBs 16A, 1p
- 1 C-type MCB 16A, 3p
- 1 C-type MCB 32A, 3p
- 1 RCCB 63/0.03A, 4p

Cable entry at bottom:

- 1x M32, 1x M40, 1x M50

Connection option:

- for 2 cables up to 5 x 25 mm²



Ref. no. **562306**

Components:

- 4 Domestic sockets 16A, 230V ~ (Type F - German standard)
- 1 CEE socket 16A, 400V, 5p
- 1 CEE socket 32A, 400V, 5p
- 1 CEE socket 63A, 400V, 5p

Protection:

- 4 C-type MCBs 16A, 1p
- 1 C-type MCB 16A, 3p
- 1 C-type MCB 32A, 3p
- 1 RCCB 63/0.03A, 4p

Cable entry at bottom:

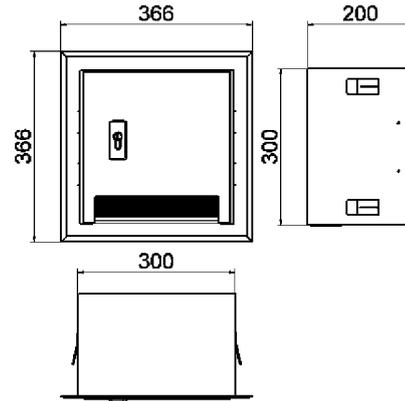
- 1x M32, 1x M40, 1x M50

Connection option:

- for 2 cables up to 5 x 25 mm²



- Dimension of enclosure: 300 x 300 mm
- Enclosure made of high-quality V2A stainless steel
- Brushed surface
- Door with box lock and single profile cylinder
- Flush-mount adapter frame
- Brush seal prevents dirt and dust from entering when door is closed
- Outgoing cables can be guided out through brush-sealed opening on front side
- Door lockable in connected state
- Easy access to operating elements



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Ref. no. **560509**

Components:

- 1 Domestic socket 16A, 230V ~ (Type F - German standard)
- 1 CEE socket 16A, 400V, 5p
- 1 CEE socket 32A, 400V, 5p

Cable entry at bottom:

- 1x M20, 1x M25, 1x M32

Connection option:

- for 1 cable up to 3 x 4 mm²,
- 1 cable up to 5 x 4 mm²
- and 1 cable up to 5 x 6 mm²



Ref. no. **560965**

Components:

- 2 Domestic sockets 16A, 230V ~ (Type F - German standard)
- 1 CEE socket 16A, 400V, 5p

Cable entry at bottom:

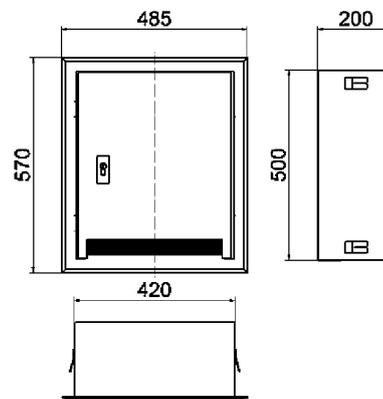
- 1x M20, 1x M25, 1x M32

Connection option:

- for 1 cable up to 5 x 6 mm²



- Dimension of enclosure: 500 x 420 mm
- Enclosure made of high-quality V2A stainless steel
- Brushed surface
- Door with box lock and single profile cylinder
- Flush-mount adapter frame
- Brush seal prevents dirt and dust from entering when door is closed
- Outgoing cables can be guided out through brush-sealed opening on front side
- Door lockable in connected state
- Easy access to operating elements



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Ref. no. **561844**

Components:

- 2 Domestic sockets 16A, 230V ~ (Type F - German standard)
- 1 CEE socket 16A, 400V, 5p
- 1 CEE socket 32A, 400V, 5p

Protection:

- 2 C-type MCBs 16A, 1p
- 1 C-type MCB 16A, 3p
- 1 C-type MCB 32A, 3p
- 1 RCCB 63/0.03A, 4p

Cable entry at bottom:

- 1x M25, 1x M32, 1x M40

Connection option:

- for 2 cables up to 5 x 25 mm²



Ref. no. **562379**

Components:

- 2 Domestic sockets 16A, 230V ~ (Type F - German standard)
- 2 CEE sockets 16A, 400V, 5p

Protection:

- 2 C-type MCBs 16A, 1p
- 2 C-type MCBs 16A, 3p
- 1 RCCB 40/0.03A, 4p

Cable entry at bottom:

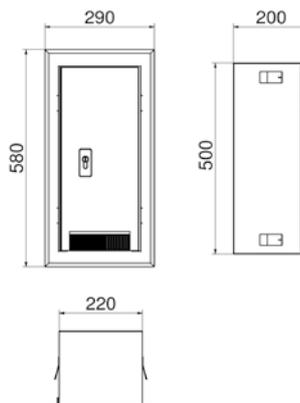
- 1x M25, 1x M32, 1x M40

Connection option:

- for 2 cables up to 5 x 25 mm²



- Dimension of enclosure: 500 x 220 mm
- Enclosure made of high-quality V2A stainless steel
- Brushed surface
- Door with box lock and single profile cylinder
- Flush-mount adapter frame
- Brush seal prevents dirt and dust from entering when door is closed
- Outgoing cables can be guided out through brush-sealed opening on front side
- Door lockable in connected state
- Easy access to operating elements



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Ref. no. **561872**

Components:

1 Domestic socket 16A, 230V ~
(Type F - German standard)
1 CEE socket 16A, 400V, 5p

Protection:

1 C-type MCB 16A, 1p
1 C-type MCB 16A, 3p
1 RCCB 40/0.03A, 4p

Cable entry at bottom:

1x M32, 1x M40

Connection option:

for 2 cables up to 5 x 25 mm²



Ref. no. **562378**

Components:

1 Domestic socket 16A, 230V ~
(Type F - German standard)
1 CEE socket 32A, 400V, 5p

Protection:

1 C-type MCB 16A, 1p
1 C-type MCB 32A, 3p
1 RCCB 40/0.03A, 4p

Cable entry at bottom:

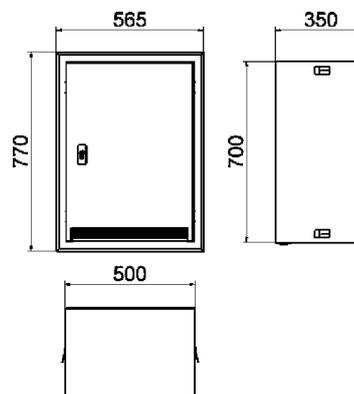
1x M32, 1x M40

Connection option:

for 2 cables up to 5 x 25 mm²



- Dimension of enclosure: 700 x 500 mm
- Enclosure made of high-quality V2A stainless steel
- Brushed surface
- Door with box lock and single profile cylinder
- Flush-mount adapter frame
- Brush seal prevents dirt and dust from entering when door is closed
- Outgoing cables can be guided out through brush-sealed opening on front side
- Door lockable in connected state
- Easy access to operating elements



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Ref. no. **562380**

Components:

2 Domestic sockets 16A, 230V ~
(Type F - German standard)
2 CEE sockets 16A, 400V, 5p
1 CEE socket 32A, 400V, 5p
1 CEE socket 63A, 400V, 5p

Protection:

2 C-type MCBs 16A, 1p
2 C-type MCBs 16A, 3p
1 C-type MCB 32A, 3p
1 RCCB 63/0.03A, 4p

Cable entry at bottom:

1x M40, 1x M50, 1x M63

Connection option:

for 2 cables up to 5 x 25 mm²



Ref. no. **562376**

Components:

4 Domestic sockets 16A, 230V ~
(Type F - German standard)
2 CEE sockets 16A, 400V, 5p
2 CEE sockets 32A, 400V, 5p

Protection:

4 C-type MCBs 16A, 1p
2 C-type MCBs 16A, 3p
2 C-type MCBs 32A, 3p
1 RCCB 63/0.03A, 4p

Cable entry at bottom:

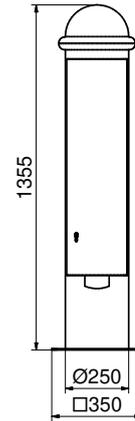
1x M40, 1x M50, 1x M63

Connection option:

for 2 cables up to 5 x 25 mm²



- Dimension of the bollard: 1355 x 250 mm
- Made of robust, hot-dip galvanised steel enclosure
- Ideal for safe energy distribution outdoors
- Vandal-proof owing to internally hinged door
- Lockable door with cylinder lock
- Cable outlet in door allows locking in connected state
- Safe protection of fuse elements behind operating window
- Suitable for base mounting
- RAL 7016; other colours possible on request
- Concrete base: see page 260



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Ref. no. **561090**

Components:

- 2 Domestic sockets 16A, 230V ~ (Type F - German standard)
- 1 CEE socket 16A, 400V, 5p
- 1 CEE socket 32A, 400V, 5p

Protection:

- 2 C-type MCBs 16A, 1p
- 1 C-type MCB 16A, 3p
- 1 C-type MCB 32A, 3p
- 1 RCCB 40/0.03A, 4p

Connection option:

for 2 cables up to 5 x 25 mm²



Ref. no. **562372**

Components:

- 2 Domestic sockets 16A, 230V ~ (Type F - German standard)
- 2 CEE sockets 16A, 400V, 5p

Protection:

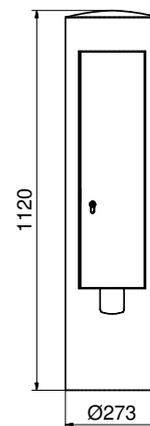
- 2 C-type MCBs 16A, 1p
- 2 C-type MCBs 16A, 3p
- 1 RCCB 40/0.03A, 4p

Connection option:

for 2 cables up to 5 x 25 mm²



- Dimension of the bollard: 1120 x 273 mm
- Protection degree IP44
- Made of robust, hot-dip galvanised steel enclosure
- Ideal for safe energy distribution outdoors
- Vandal-proof owing to internally hinged door
- Lockable door with cylinder lock
- Cable outlet in door allows locking in connected state
- Suitable for base mounting
- RAL 7016; other colours possible on request
- Concrete base: see page 260



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Ref. no. **562389**

Components:

- 2 Domestic sockets 16A, 230V ~ (Type F - German standard)
- 1 CEE socket 16A, 400V, 5p

Protection:

- 2 C-type MCBs 16A, 1p
- 1 C-type MCB 16A, 3p
- 1 RCCB 40/0.03A, 4p

Cable entry:

2x M40

Connection option:

for 2 cables up to 5 x 25 mm²



Ref. no. **562390**

Components:

- 3 Domestic sockets 16A, 230V ~ (Type F - German standard)

Protection:

- 3 C-type MCBs 16A, 1p
- 1 RCCB 40/0.03A, 4p

Cable entry:

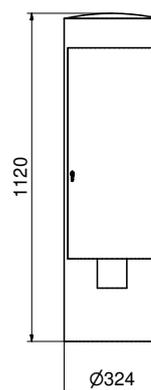
2x M40

Connection option:

for 1 cable up to 5 x 10 mm²



- Dimension of the bollard: 1120 x 324 mm
- Protection degree IP44
- Made of robust, hot-dip galvanised steel enclosure
- Ideal for safe energy distribution outdoors
- Vandal-proof owing to internally hinged door
- Lockable door with cylinder lock
- Cable outlet in door allows locking in connected state
- Suitable for base mounting
- RAL 7016; other colours possible on request
- Concrete base: see page 260



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Ref. no. **562391**

Components:

- 2 Domestic sockets 16A, 230V ~ (Type F - German standard)
- 1 CEE socket 16A, 400V, 5p
- 1 CEE socket 32A, 400V, 5p

Protection:

- 2 C-type MCBs 16A, 1p
- 1 C-type MCB 16A, 3p
- 1 C-type MCB 32A, 3p
- 1 RCCB 40/0.03A, 4p

Cable entry:

2x M40

Connection option:

for 2 cables up to 5 x 25 mm²



Ref. no. **562392**

Components:

- 2 Domestic sockets 16A, 230V ~ (Type F - German standard)
- 2 CEE sockets 16A, 400V, 5p

Protection:

- 2 C-type MCBs 16A, 1p
- 2 C-type MCBs 16A, 3p
- 1 RCCB 40/0.03A, 4p

Cable entry:

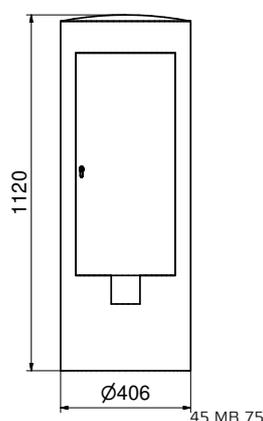
2x M40

Connection option:

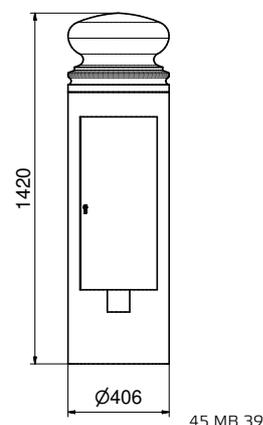
for 2 cables up to 5 x 25 mm²



- Dimension of the bollard: 1420 x 420 mm
- Protection degree IP44
- Made of robust, hot-dip galvanised steel enclosure
- Ideal for safe energy distribution outdoors
- Vandal-proof owing to internally hinged door
- Lockable door with cylinder lock
- Cable outlet in door allows locking in connected state
- Suitable for base mounting
- RAL 7016; other colours possible on request
- Concrete base: see page 260



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Ref. no. **562366**

Components:

- 4 Domestic sockets 16A, 230V ~ (Type F - German standard)
- 1 CEE socket 16A, 400V, 5p
- 1 CEE socket 32A, 400V, 5p
- 1 CEE socket 63A, 400V, 5p

Protection:

- 4 C-type MCBs 16A, 1p
- 1 C-type MCB 16A, 3p
- 1 C-type MCB 32A, 3p
- 1 C-type MCB 63A, 3p
- 1 RCCB 63/0.03A, 4p

Cable entry:

2x M50

Connection option:

for 2 cables up to 5 x 25 mm²



Ref. no. **562393**

Components:

- 4 Domestic sockets 16A, 230V ~ (Type F - German standard)
- 2 CEE sockets 16A, 400V, 5p
- 1 CEE socket 32A, 400V, 5p

Protection:

- 4 C-type MCBs 16A, 1p
- 2 C-type MCBs 16A, 3p
- 1 C-type MCB 32A, 3p
- 1 RCCB 63/0.03A, 4p

Cable entry:

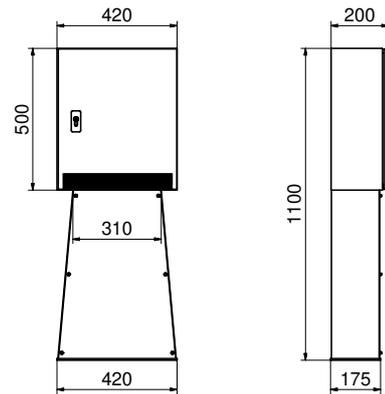
2x M40

Connection option:

for 2 cable up to 5 x 25 mm²



- Enclosure made of high-quality V2A stainless steel
- Brushed surface
- Door with box lock and single profile cylinder
- Wall mounting brackets, supplied loose
- Brush seal prevents dirt and dust from entering when door is closed
- Lockable in connected state
- Outgoing cables can be guided out through brush-sealed opening on front side
- Easy access to operating elements



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Ref. no. **560030**

Components:

- 2 Domestic sockets 16A, 230V ~ (Type F - German standard)
- 1 CEE socket 16A, 400V, 5p
- 1 CEE socket 32A, 400V, 5p

Protection:

- 2 B-type MCBs 16A, 1p
- 1 C-type MCB 16A, 3p
- 1 C-type MCB 32A, 3p
- 1 RCCB 63/0,03A, 4p

Cable entry:

- 1 x M25, 1 x M32, 1 x M40

Connection option:

- für 2 cables up to 5 x 25 mm²

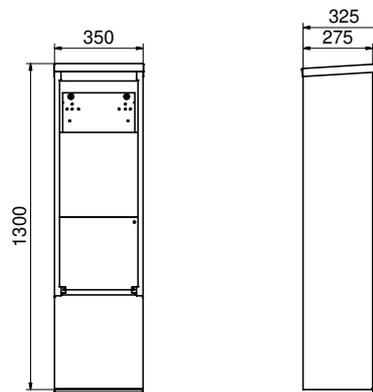


Power-Port floor-standing distributor without door

- Housing made of high-quality V2A stainless steel
- Ground metal surface
- For VARIABOX and MODBOX-Midi
- Moveable panel for concealing cables
- Base plate suitable for pedestal mounting
- Available in different colours (optional)

Ref. no. **580589**

Mounting set for VARIABOX mounting
Order no. 581267



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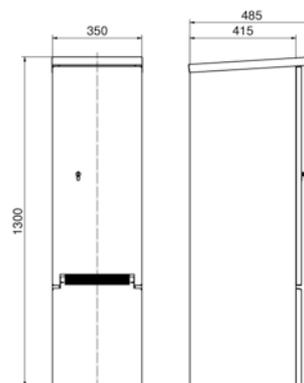


Power-Port floor-standing distributor with door

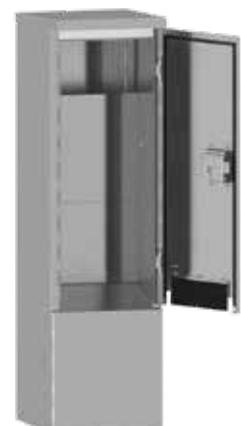
- Housing made of high-quality V2A stainless steel
- Ground metal surface
- For VARIABOX and MODBOX-Midi
- Moveable panel for concealing cables
- Base plate suitable for pedestal mounting
- Door with box lock and single profile cylinder, internal hinges
- Brush seal prevents dirt and dust from entering when door is closed
- Outgoing cables can be guided out through brush-sealed opening on front side
- Available in different colours (optional)

Ref. no. **580508**

Mounting set for VARIABOX mounting
Order no. 581267



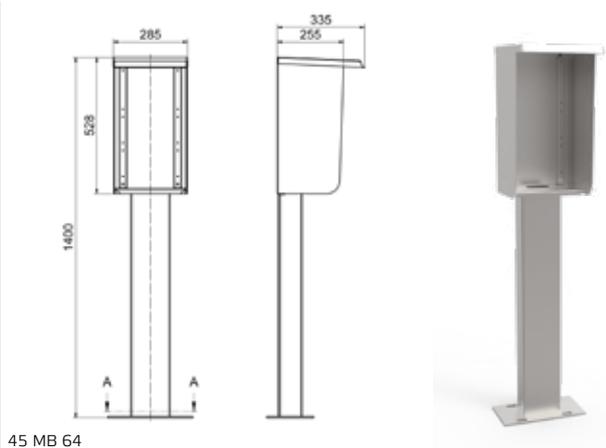
45 MB 55



Pillar with protective rain canopy

- Housing made of high-quality V2A stainless steel
- Ground metal surface
- For VARIABOX S, M und L
- Base plate suitable for pedestal mounting
- Available in different colours (optional)

Ref. no. **580860**



45 MB 64

Protective rain canopy

- Housing made of high-quality V2A stainless steel
- With side panels
- Ground metal surface
- Mounting plate for fitting VARIABOXES
- Available in RAL colours (optional)

Ref. no. **580511**

- for VARIABOX S,M,L
- Dimensions: 545 x 286 x 328 mm

Ref. no. **580529**

- for VARIABOX XL,XXL
- Dimensions: 792 x 286 x 328 mm

Ref. no. **580521**

- for VARIABOX L-DUO, XL-DUO
- Dimensions: 662 x 516 x 328 mm



Concrete Base

- for ground/floor attachment for Power-Ports

Ref. no. **58370**



Ground Anchor

- for ground/floor attachment for **Distribution bollards**

Ref. no. **581323**

- for **Distribution bollards** ø273mm

Ref. no. **581324**

- for **Distribution bollards** ø324mm

Ref. no. **581325**

- for **Distribution bollards** ø420mm



 made
 in
 Germany



Simply. Well. Connected.

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Fax: +49 27 23/771-177/178
E-mail: info@bals.com
Internet: www.bals.com

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