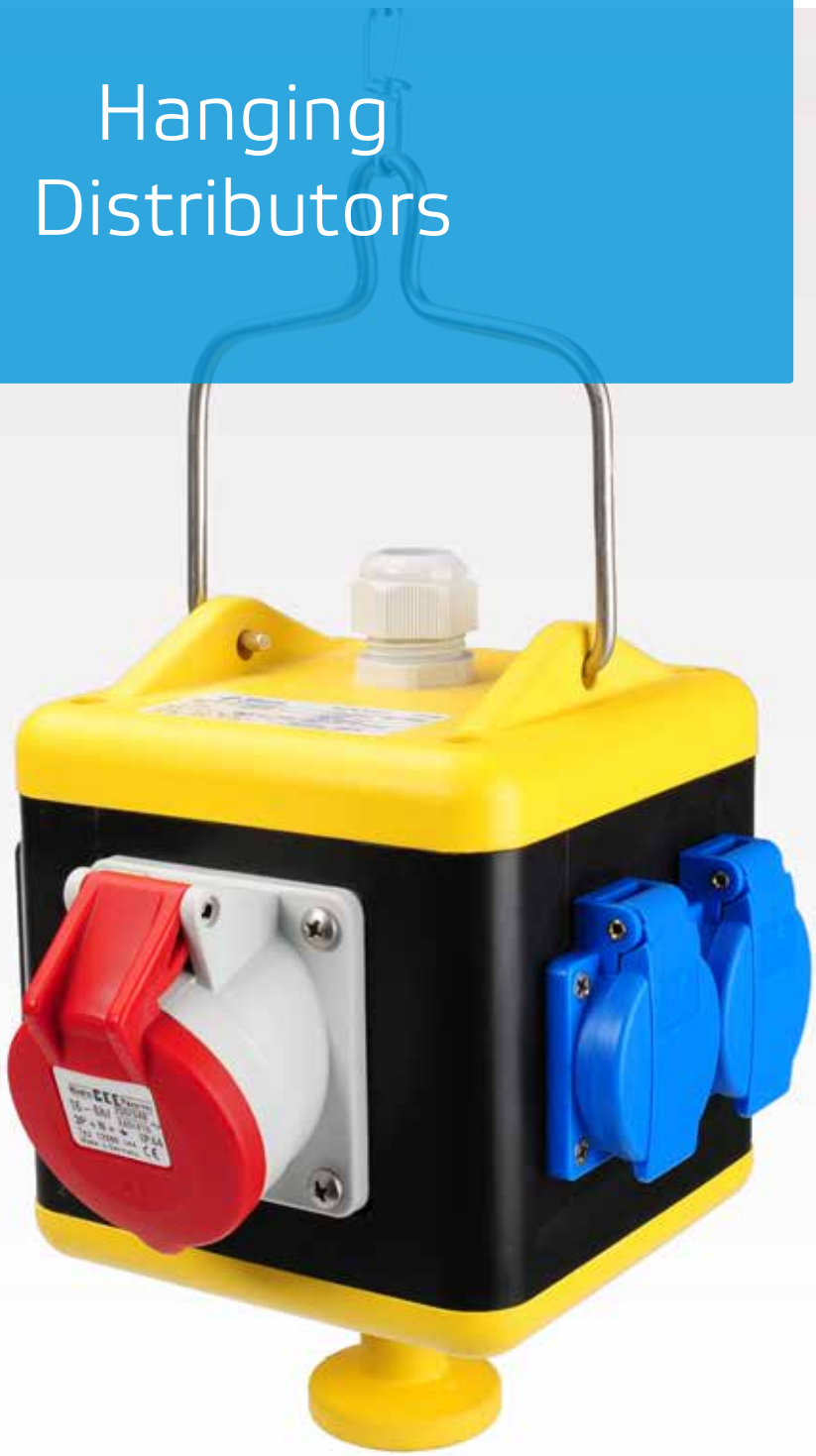
Hanging Distributors



Bals

Simply. Well. Connected.

Bals GEE Norm

For more than 60 years
we define standards for the industry

Bals

Simply. Well. Connected.

Simply. Well. Connected.
Yesterday, today and in the future

Factory in Kirchhundem-Albaum

About half a century competence and experience

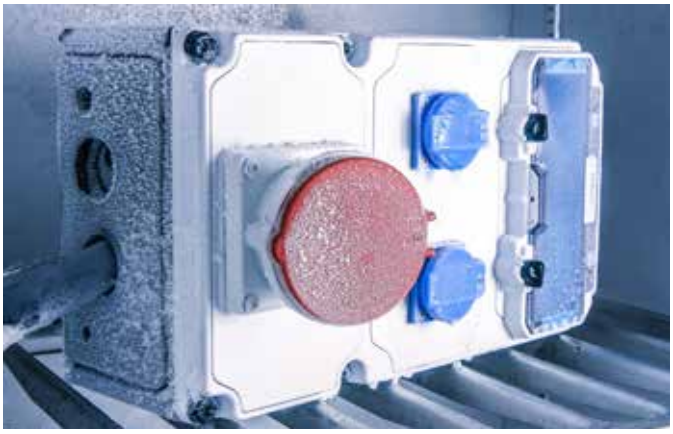
Bals stands worldwide as a quality brand for innovation, reliability and service. For more than 60 years, we have been producing CEE plugs and connectors for the world markets. From day one we have focussed on the highest level of quality “Made in Germany”.
Our factories in Kirchhundem-Albaum and Freiwalde have highly skilled and motivated teams, the very latest manufacturing 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.

Two 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 centreacturing of unique CEE plugs and connectors as well as a highly-effective logistics centre.

CEE plugs and connectors for the world market

As an independent, medium-sized, family-owned company, we produce standardised industrial plugs and sockets acc. 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.



Our responsibility to the highest quality

Quality does not permit any compromise. This has always been the maxim at Bals. The ISO-9001-certified production process in all factories ensures the well-known high product quality. This proof of quality is reflected in patents, certificates from German and foreign testing institutes, as well as the specification of Bals products by highly renowned companies. Innovation is an important quality benchmark for us. This way, we are always setting new standards with intelligent solutions that bring the user sustainable advantages.

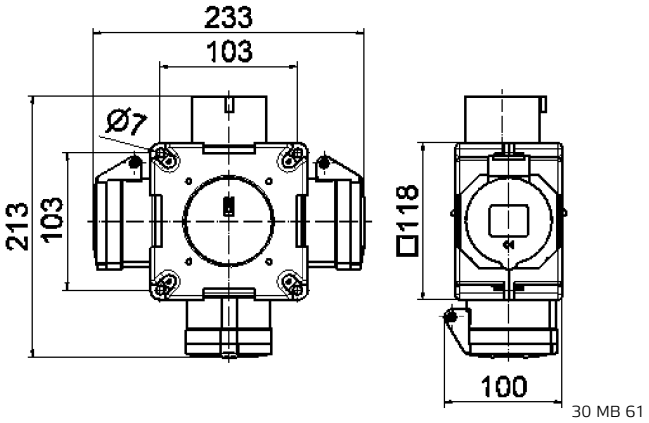
Hanging Distributors

Cross distributors

Technical information

- Wired ready for connection
- Protection degree IP44
- All distributors comply with the DIN EN 61439 / IEC 61439

- Enclosure made of high-grade, impact-resistant plastic
- Small, compact design
- Variable configuration
- Hanging bracket made of V2A stainless steel



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Order no. **54655**

Components:
2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 230V, 3p

Cable entry/Input:
1 CEE inlet 16A, 230V, 3p

Order no. **54657**

Components:
2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p

Cable entry/Input:
1 CEE plug 16A, 400V, 5p with
1.5 m cable H07RN-F5G2,5

Order no. **54880**

Components:
3 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p

Cable entry/Input:
1x M25

Connection option:
for 1 cable up to 5x 2.5 mm²

Order no. **54568**

Components:
3 CEE sockets 16A, 230V, 3p

Cable entry/Input:
1 CEE plug 16A, 230V, 3p with
1.5 m cable H07RN-F3G2,5

Order no. **54566**

Components:
3 CEE sockets 16A, 230V, 3p

Cable entry/Input:
1 CEE inlet 16A, 230V, 3p

Order no. **54569**

Components:
3 CEE sockets 16A, 400V, 5p

Cable entry/Input:
1 CEE plug 16A, 400V, 5p with
1.5 m cable H07RN-F5G2,5

Technical information

- Wired ready for connection
- Protection degree IP44
- All distributors comply with the DIN EN 61439 / IEC 61439

Order no. **546**

Components:
3 CEE sockets 16A, 400V, 5p

Cable entry/Input:
1 CEE inlet 16A, 400V, 5p

Order no. **54567**

Components:
3 CEE sockets 32A, 400V, 5p

Cable entry/Input:
1 CEE inlet 32A, 400V, 5p

Order no. **54740**

Components:
2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p

Cable entry/Input:
1x M25

Connection option:
for 1 cable up to 5x 2.5 mm²

Order no. **54929**

Components:
4 Domestic sockets 16A, 230V ~
(system F - German earthing System)

Cable entry/Input:
1x M25

Connection option:
for 1 cable up to 5x 2.5 mm²

Order no. **540055**

Components:
1 Domestic socket 16A, 230V ~
(system F - German earthing System)
2 CEE sockets 16A, 400V, 5p

Cable entry/Input:
1x M25

Connection option:
for 1 cable up to 5x 2.5 mm²

Order no. **54741**

Components:
3 CEE sockets 16A, 230V, 3p

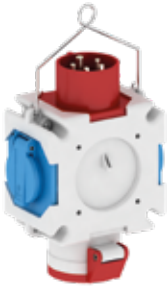
Cable entry/Input:
1x M25

Connection option:
for 1 cable up to 5x 2.5 mm²

Order no. **54580**

Components:
2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p

Cable entry/Input:
1 CEE inlet 16A, 400V, 5p



Order no. **54801**

Components:
3 Domestic sockets 16A, 230V ~
(system F - German earthing System)

Cable entry/Input:
1x M25

Connection option:
for 1 cable up to 5x 2.5 mm²

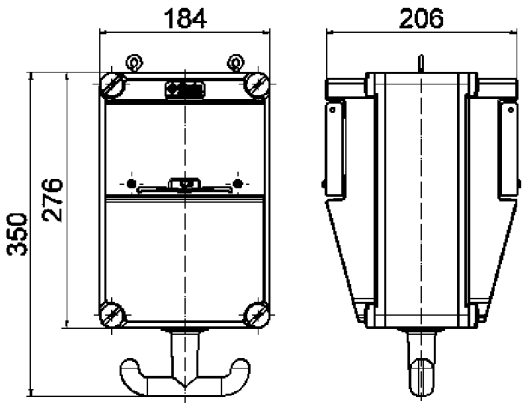
Hanging Distributors

Plastic Enclosures

Technical information

- Wired ready for connection
- Protection degree IP44
- All distributors comply with the DIN EN 61439 / IEC 61439

- Enclosure made of high-grade, impact-resistant plastic
- Hinged window can optional be locked and lead-sealed
- 9 modules can be installed on each enclosure side
- Hinged lid
- Handle bracket in signal yellow



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Order no. **572567**

Components:
2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
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:
1x M40

Connection option:
for 1 cable up to 5 x 10 mm²

Order no. **574339**

Components:
2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
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:
1x M40

Connection option:
for 1 cable up to 5 x 10 mm²

Order no. **573072**

Components:
2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p
1 CEE socket 32A, 400V, 5p
1 double data socket RJ45 CAT6a IP55

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

Cable entry:
1 x M25 with Multiple sealing insert
1 x M40

Connection option:
for 1 cable up to 5 x 10 mm²

Order no. **572551**

Components:
4 Domestic sockets 16A, 230V ~
(system F - German earthing System)

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

Cable entry:
1x M32

Connection option:
for 1 cable up to 5 x 25 mm²

Order no. **572185**

Components:
3 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p

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

Cable entry:
1x M32

Connection option:
for 1 cable up to 5 x 10 mm²

Order no. **574421**

Components:
2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
2 CEE sockets 16A, 400V, 5p
1 compressed air connection:
Input: 1/2" pipe with external thread
Output: 1/2" quick-release connector

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

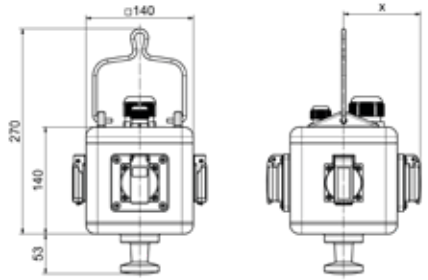
Cable entry:
1x M32

Connection option:
for 5 cable up to 5 x 25 mm²

Technical information

- Wired ready for connection
- Protection degree IP44
- All distributors comply with the DIN EN 61439 / IEC 61439

- Enclosure made of high-quality, impact-resistant solid rubber
- Small, compact design
- Variable configuration
- Fuse protection and data systems safely protected behind an operating window
- Top and bottom in signal yellow
- Hanging bracket made of V2A stainless steel
- Easy connection and disconnection of loads by means of knob or handle bracket
- Unproblematic connection of supply cable by means of specially developed clamping ring



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Depth X (in mm)

Component	IP44	IP67
Operating window	90	
Schuko-type socket	98,5	114
CEE 16A 3p	121	127
CEE 16A 4p	123	128
CEE 16A 5p	127	130
CEE 32A 3p / 4p	130	135
CEE 32A 5p	139	139

Order no. **57092**

Components:
4 Domestic sockets 16A, 230V ~
(system F - German earthing System)

Cable entry:
1x M25

Connection option:
for 1 cable up to 5 x 10 mm²

Order no. **57076**

Components:
3 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p

Cable entry:
1x M25

Connection option:
for 1 cable up to 5 x 10 mm²

Order no. **57078**

Components:
2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
2 CEE sockets 16A, 400V, 5p

Cable entry:
1x M25

Connection option:
for 1 cable up to 5 x 10 mm²

Order no. **57117**

Components:
2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
2 CEE sockets 16A, 400V, 5p
1 compressed air connection:
Input: 1/2" pipe with external thread
Output: 1/2" quick-release connector

Cable entry:
1x M25

Connection option:
for 1 cable up to 5 x 10 mm²

Order no. **57116**

Components:
3 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p
1 compressed air connection:
Input: 1/2" pipe with external thread
Output: 1/2" quick-release connector

Cable entry:
1x M25

Connection option:
for 1 cable up to 5 x 10 mm²

Order no. **57119**

Components:
4 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 compressed air connection
Input: 1/2" pipe with external thread
Output: 1/2" quick-release connector

Cable entry:
1x M25

Connection option:
for 1 cable up to 5 x 10 mm²

Hanging Distributors

UNI-BLOCK

Technical information

- Wired ready for connection
- Protection degree IP44
- All distributors comply with the DIN EN 61439 / IEC 61439

Order no. **571121**

Components:
3 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p
1 compressed air connection
Input: 1/2" hose connector NW 13 mm
Output: 1/2" two-way quick-release connector

Cable entry:
2x M25 (2 circuits)

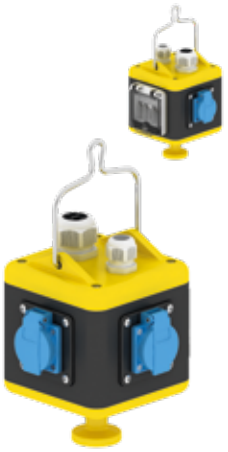
Connection option:
for 2 cables up to 5 x 10 mm²

Order no. **573395**

Components:
3 Domestic sockets 16A, 230V ~
(system F - German earthing System)
4 data sockets RJ45/ Cat. 6

Cable entry:
1x M25, 1x M32

Connection option:
for 1 cable up to 5 x 10 mm²



Order no. **57829**

Components:
2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p

Protection:
1 RCCB 40/0.03A, 4p

Cable entry:
1x M25

Connection option:
for 1 cable up to 5 x 10 mm²

Order no. **57250**

Components:
2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p
1 CEE socket 32A, 400V, 5p

Cable entry:
1x M25, 1x M32

Connection option:
for 2 cables up to 5 x 10 mm²

Order no. **576277**

Components:
3 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 Overvoltage protection 230 LA

Cable entry:
1x M20

Connection option:
for 1 cable up to 5 x 10 mm²

Order no. **57074**

Components:
4 CEE sockets 16A, 400V, 5p

Cable entry:
1x M25

Connection option:
for 1 cable up to 5 x 10 mm²

Order no. **571276**

Components:
3 Domestic sockets 16A, 230V ~
(system F - German earthing System)

Protection:
1 RCCB 40/0.03A, 4p

Cable entry:
1x M25

Connection option:
for 1 cable up to 5 x 10 mm²

Order no. **570531**

Components:
2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 CEE socket 16A, 400V, 5p
1 empty space for data sockets

Cable entry:
2x M25

Connection option:
for 1 cable up to 5 x 10 mm²

Technical information

- Wired ready for connection
- Protection degree IP44
- All distributors comply with the DIN EN 61439 / IEC 61439

Order no. **573143**

Components:
3 Domestic sockets 16A, 230V ~
(system F - German earthing System)
2 RJ45 CAT6a below operating window, can be closed with the plugs plugged in

Cable entry:
2x M25

Connection option:
for 1 cable up to 5 x 10 mm²

Order no. **572301**

Components:
3 Domestic sockets 16A, 230V ~
(system F - German earthing System)
2 Potential equalisation plug

Cable entry:
1 x M16, 1 x M25

Connection option:
for 1 cable up to 5 x 10 mm²

Order no. **572238**

Components:
3 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 Emergency off

Cable entry:
1 x M20, 1 x M25

Connection option:
for 1 cable up to 5 x 10 mm²

Order no. **570451**

Components:
4 Domestic sockets 16A, 230V ~
(system F - German earthing System)

Protection:
1 RCCB 40/0.03A, 4p

Cable entry:
1x M20

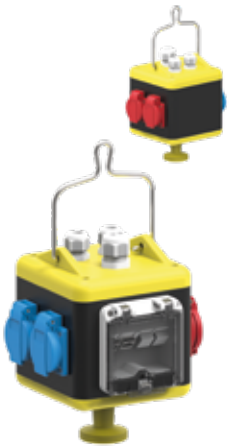
Connection option:
for 1 cable up to 5 x 10 mm²

Order no. **576282**

Components:
4 Domestic sockets 16A, 230V ~
(system F - German earthing System)
2 RJ45 CAT6a below operating window, can be closed with the plugs plugged in

Cable entry:
2 x M20
1 x M25 with multiple sealing insert

Connection option:
for 1 cable up to 5 x 10 mm²



Order no. **573151**

Components:
6 Domestic sockets 16A, 230V ~
(system F - German earthing System)
2 RJ45 CAT6a below operating window, can be closed with the plugs plugged in

Cable entry:
2x M25

Connection option:
for 1 cable up to 5 x 10 mm²

Order no. **57360**

Components:
3 Domestic sockets 16A, 230V ~
(system F - German earthing System)
1 empty space for data sockets

Cable entry:
2x M25

Connection option:
for 1 cable up to 5 x 10 mm²

Order no. **571370**

Components:
2 Domestic sockets 16A, 230V ~
(system F - German earthing System)
with child protection
2 laboratory sockets yellow/green, earth potential

Laboratory sockets 2x blue and 2x red
DC extra-low voltage

2 laboratory sockets yellow, AC
extra-low voltage

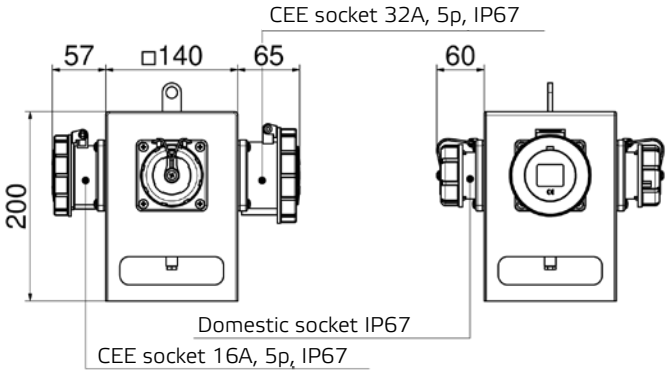
Cable entry:
4x M20

Connection option:
for 1 cable up to 3 x 10 mm²

Technical information

- Wired ready for connection
- All distributors comply with the DIN EN 61439 / IEC 61439

- Protection type: IP 54, IP 67
- l High-quality stainless steel housing constructed of 1.4404 (V4A)
- Especially well suited for hygienic areas in the food and agricultural industries as well as in medical technology
- Including suspension eyes and recessed grips
- All plugs and sockets with high-temperature-resistant contact carriers and nickel-plated contacts



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Order no. **573358**

Components:
4 Domestic sockets 16A, 230V, IP54 (system F - German earthing System)

Cable entry:
1 x M32 cable gland (V4A) incl. reducer gasket M25

Order no. **573396**

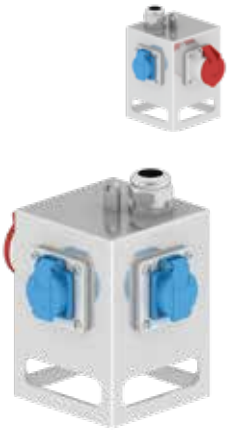
Components:
4 Domestic sockets 16A, 230V, IP67 (system F - German earthing System)

Cable entry:
1 x M32 cable gland (V4A) incl. reducer gasket M25

Order no. **573518**

Components:
3 Domestic sockets 16A, 230V, IP54 (system F - German earthing System)
1 CEE socket 16A, 400V, 5p, IP54

Cable entry:
1 x M32 cable gland (V4A) incl. reducer gasket M25



Order no. **573210**

Components:
3 Domestic sockets 16A, 230V, IP67 (system F - German earthing System)
1 CEE socket 16A, 400V, 5p, IP67

Cable entry:
1 x M32 cable gland (V4A) incl. reducer gasket M25

Order no. **573512**

Components:
2 Domestic sockets 16A, 230V, IP54 (system F - German earthing System)
1 CEE socket 16A, 400V, 5p, IP54
1 CEE socket 32A, 400V, 5p, IP54

Cable entry:
2 x M32 cable gland (V4A) incl. reducer gasket M25

Order no. **573209**

Components:
2 Domestic sockets 16A, 230V, IP67 (system F - German earthing System)
1 CEE socket 16A, 400V, 5p, IP67
1 CEE socket 32A, 400V, 5p, IP67

Cable entry:
2 x M32 cable gland (V4A) incl. reducer gasket M25

Cable gland

- Black
- Protection degreee IP67

	Thread	Sealing range	Order no.
	M12	3-6 mm	**580647**
	M20	8-13 mm	**580648**
	M25	11-17 mm	**580649**
	M32	15-21 mm	**580650**
	M40	19-28 mm	**580651**
Multiple sealing insert	für M25	2x8 mm	**580652**
	für M32	4x8 mm	**580653**
Sealing plug for multiple sealing insert Packaging unit 100 pieces			**581273**

Cable gland with pressure equalisation

The use of pressure equalisation cable glands allows the internal pressure to adjust to the ambient pressure. The type-tested protection degree of the enclosure is fully retained. Temperature fluctuations, intense sunlight, or a sudden change in weather can cause condensation to form in combination enclosures. Basically, condensation can form in all sealed solid-rubber distributors. The higher the protection degree is, the more likely the formation of condensation will be.
We therefore recommend, especially in the case of distributors with protection degree IP67, the use of pressure equalisation cable glands.

- Minimised condensation formation and therefore reduction in downtimes and time-consuming and expensive repair work
- No expensive and high-maintenance ventilation technology required
- No drip holes which reduce the level of protection
- With air ducts for pressure equalisation
- Black
- Protection degree IP67

Thread	Sealing range	Order no.
M20	6-13 mm	**580656**
M25	9-17 mm	**580657**
M32	13-21 mm	**580658**
M40	16-28 mm	**580659**

Knotted-link chain

- zinc plated
- each linear meters

Order no. **58713**

Lock set

- For operating window
- With locking cylinder and 2 Keys

Order no. **58037-BE**

Positioners

- Fall protection equipped as standard
- Riveted special spring for retracting the suspension rope
- Isolated suspension
- Very dimensionally stable construction
- Braking force: 0,5 bis 6 kg
- More information on the following sites

Order-No. **581219**

Hanging Connector TE-Plus with MULTI-GRIP and QUICK-CONNECT

- Screwless terminals
- High-temperature-resistant contact carrier
- Kontex contact
- Nickel plated contacts
- Special gland, simultanous cable gland and seal
- Protection degree IP44

QUICK CONNECT
MULTI GRIP

Ampere	Poles	Voltage	Order no.
16	5	400	**3214**
32	5	400	**3221**

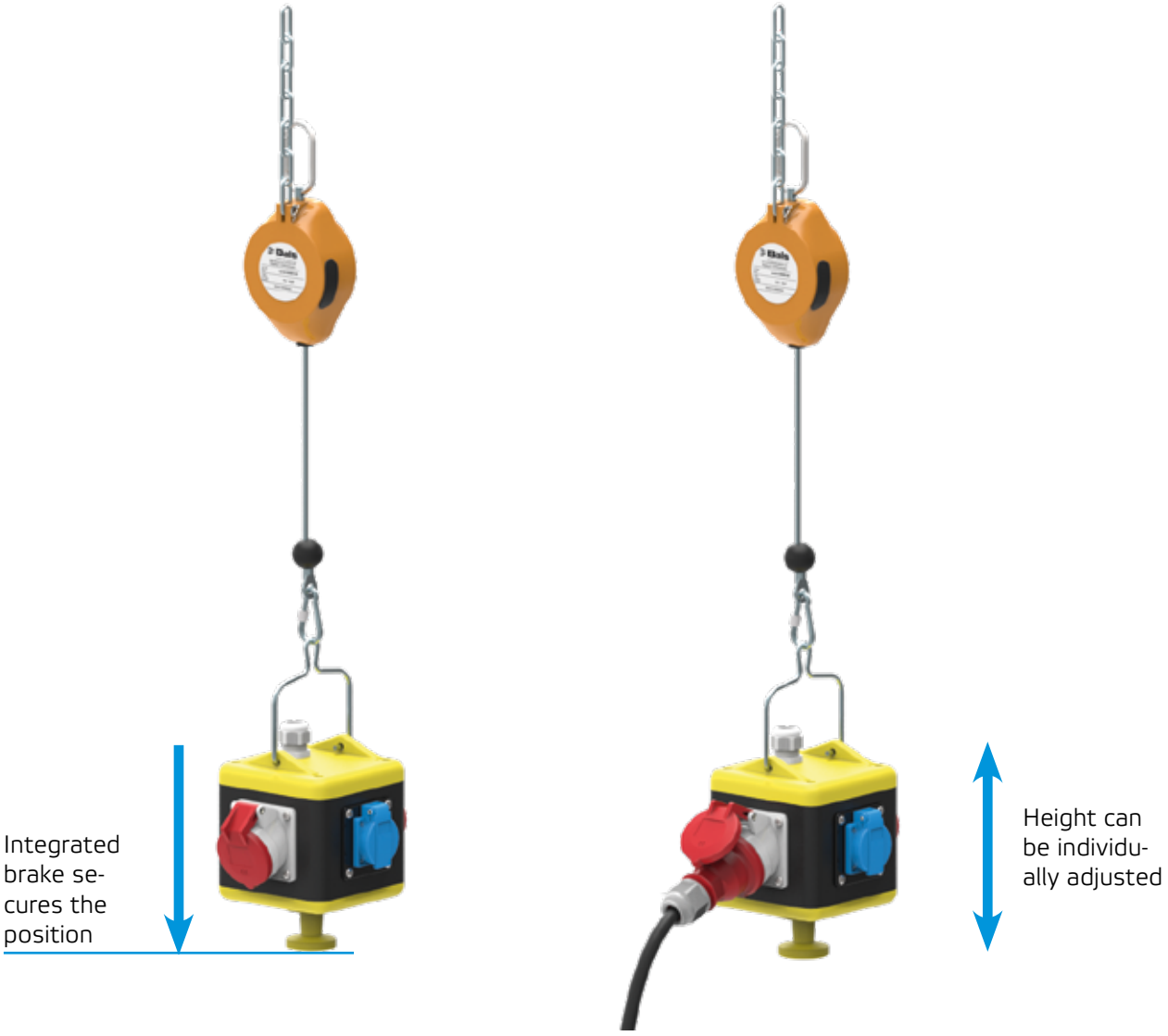
Domestic Three-Way Connector

- with cable gland
- nickel plated contacts
- with cover and hanging bracket
- Protection degree IP67

Earthing Type	Order no.
Germany (system F)	**749**
Belgium/France (system E)	**7432**

Positioners

The positioner is an effective helper in the area of workplace ergonomics: it finally enables the simple, height-variable positioning of supply units. The smooth-running height adjustment facilitates an ergonomic provision of the power supply. The braking force can be simply adjusted using the adjustment screw located on the side. With this product, you can position the Bals power distributors even more easily and more flexibly in their application area. Simply lifting or pulling down is enough to individually adjust the height.



With the positioner, the risk of injury posed by hanging supply units is greatly minimised. Depending on the use, the height of the suspended unit can be conveniently varied. The integrated brake ensures that the position is securely held in place – even if the the weight is changed, e.g., by plugging in or unplugging compressed air hoses. The housing, manufactured from a special plastic, is extremely impact resistant and is, thus, also suitable for use in very harsh production environments.

1 Safety suspension

2 Fall protection

3 Nameplate

4 Elastic cable stop buffer

5 Cover (adjustment screw for brake)

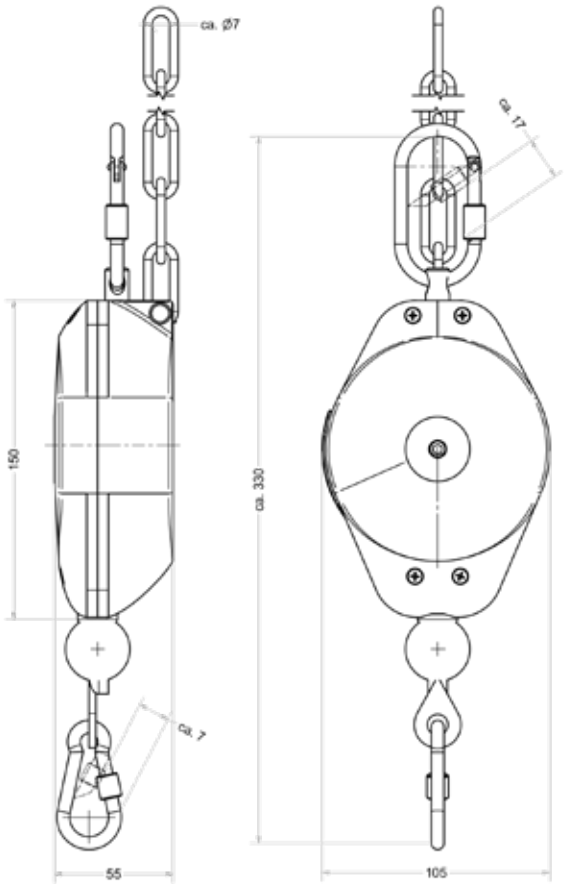
6 Load hook

Version:
Housing made of extremely impact-resistant special plastic Load attached via secure screw-type spring hook Braking force adjustable via adjustment screw located on the side

Safety device:
- Fall protection equipped as standard
- Riveted special spring for retracting the suspension rope
- Isolated suspension
- Very dimensionally stable construction

Technical parameters:
- Net weight: 0.8 kg
- Braking force: 0.5-6.0 kg
- Cable travel: 1.5 meters

Order no. **581219**



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Subject to technical modifications and typographical errors

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