

PLUGS AND RECEPTACLES - INDUSTRY

**16 A to 125 A
plugs and receptacles plastic version for industrial applications**

1 Not explosion-protected, but in CEAG quality

CEAG plugs and receptacles are not only robust, they are also very reliable. In the "normal" industrial environment plugs and receptacles are exposed to similar conditions (chemical and mechanical) as their explosion-protected counterparts. With the introduction of the new plug and receptacle generation Cooper Crouse-Hinds has now a complete program for industrial usage. The wall sockets can simply be clipped-onto pre-installed mounting plates without having to use tools. These high quality plugs and receptacles warrantee even in harsh industrial environments a safe and reliable utilization. The long years of experience in the explosion-protection field has naturally contributed to this new plug and receptacle generation.

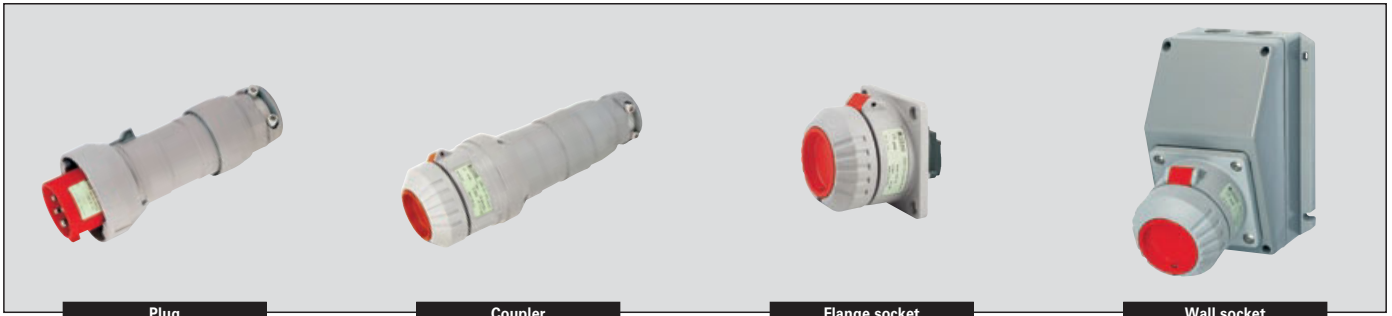
Plugs and receptacles of the 16 A to 125 A range fulfil (even when they are plugged-in) the high safety standard of IP66 and have as standard the maintenance-free and proven lamellar contacts. The variable cable entries in connection with the generously dimensioned connection terminals allow for an economical use.

Apart from the IEC 60309 Series I coded versions we also have coded versions of the Series II especially for the US and Nort American market.

International approvals

- High impact resistant
- Low engaging force
- Safety standard IP66 applies also in plugged-in condition
- Self-cleaning lamellar contacts, low transition resistance
- Fibre-glass reinforced polyester housings
- Interlocking switch





Technical data

Plugs and receptacles - industrial use acc. to IEC 60309-1/2 up to 690 V

Permissible ambient temperature	-20 °C to +40 °C / -45 °C to +45 °C (optional) ¹⁾
Rated voltage	415 V (3-pole) / 690 V (4-/5-pole)
Rated current	16 A
Frequency	50/60 Hz
External back-up fuse, max.	without therm. protection: 16 A
Protection class	I
Degree of protection accd. to EN 60529	IP66

Wall socket with interlock switch

Rated making / Rated breaking capacity AC-3 accd. EN 60947-3	
for wall socket with switch	U_e 500 V / I_e 20 A
Cable entry	1 x M25 Ø 8 - 17 mm, 1 x M25 thread plug plastic
Connecting terminals	2 x 1.5 - 4 mm ²
Enclosure material	glass-fibre reinforced polyester

Wall socket without switch

Cable entry	2 x PG 16 top, 2 x PG 16 bottom
Connecting terminals	2 x 1.5 - 4 mm ²
Enclosure material	Polyamide

Plug

Cable entry	Ø 8 - 19 mm (3-pole) / Ø 8 - 21 mm (4-pole) / 12 - 21 mm (5-pole)
Connecting terminals	1 x 1.0 - 2.5 mm ²
Enclosure material	Polyamide

Coupler

Cable entry	Ø 8 - 19 mm (3-pole) / Ø 8 - 21 mm (4-pole) / 12 - 21 mm (5-pole)
Connecting terminals	2 x 1.5 - 4 mm ²
Enclosure material	Polyamide

Flange socket/inlet

Connecting terminals	2 x 1.5 - 4 mm ²
Enclosure material	Polyamide

¹⁾ extended temperature range on request

Industrial use: 16A 3-pole, 4-pole and 5-pole up to 415 V

1



Wall socket w. interlock switch



Inlet



Coupler

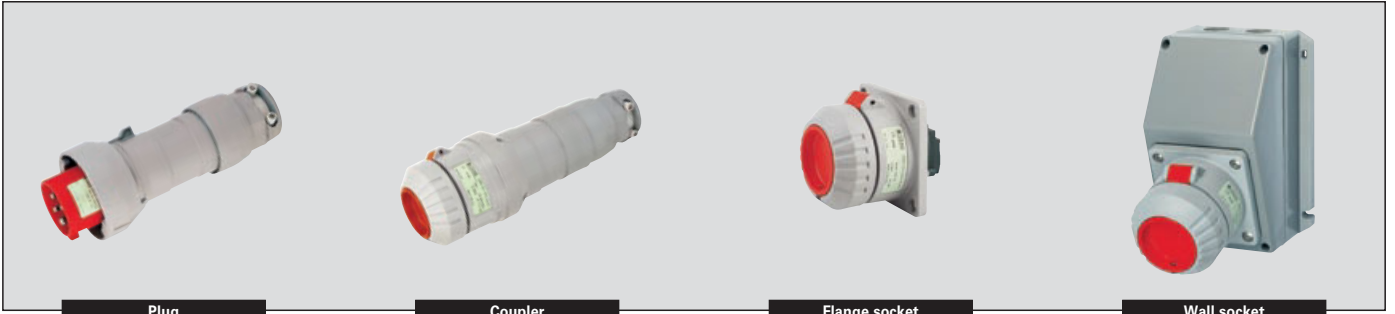


Plug

Ordering details

Voltage	h	Type	Weight approx.	Order No.
Type 16 A 3-pole				
110-130 V		Wall socket	0.8 kg	GHG 521 2304 R0001
		Plug	0.32 kg	GHG 521 7304 R0001
		Coupler	0.5 kg	GHG 521 3304 R0001
		Flange socket	0.37 kg	GHG 521 8304 R0001
		Inlet	0.26 kg	GHG 521 9304 R0001
200-250 V		Wall socket	0.8 kg	GHG 521 2306 R0001
		Plug	0.32 kg	GHG 521 7306 R0001
		Coupler	0.5 kg	GHG 521 3306 R0001
		Flange socket	0.37 kg	GHG 521 8306 R0001
		Inlet	0.26 kg	GHG 521 9306 R0001
Type 16 A 4-pole				
200-250 V		Wall socket	0.85 kg	GHG 521 2409 R0001
		Wall socket with interlock switch	1.60 kg	GHG 521 4409 R0001
		Plug	0.39 kg	GHG 521 7409 R0001
		Coupler	0.65 kg	GHG 521 3409 R0001
		Flange socket	0.42 kg	GHG 521 8409 R0001
		Inlet	0.31 kg	GHG 521 9409 R0001
380-415 V		Wall socket	0.85 kg	GHG 521 2406 R0001
		Wall socket with interlock switch	1.60 kg	GHG 521 4406 R0001
		Plug	0.39 kg	GHG 521 7406 R0001
		Coupler	0.65 kg	GHG 521 3406 R0001
		Flange socket	0.42 kg	GHG 521 8406 R0001
		Inlet	0.31 kg	GHG 521 9406 R0001
480-500 V		Wall socket	0.85 kg	GHG 521 2407 R0001
		Wall socket with interlock switch	1.60 kg	GHG 521 4407 R0001
		Plug	0.39 kg	GHG 521 7407 R0001
		Coupler	0.65 kg	GHG 521 3407 R0001
		Flange socket	0.42 kg	GHG 521 8407 R0001
		Inlet	0.31 kg	GHG 521 9407 R0001
600-690 V		Wall socket	0.85 kg	GHG 521 2405 R0001
		Wall socket with interlock switch	1.60 kg	GHG 521 4405 R0001
		Plug	0.39 kg	GHG 521 7405 R0001
		Coupler	0.65 kg	GHG 521 3405 R0001
		Flange socket	0.42 kg	GHG 521 8405 R0001
		Inlet	0.31 kg	GHG 521 9405 R0001
Type 16 A 5-pole				
200-250 V		Wall socket	0.90 kg	GHG 521 2506 R0001
380-415 V		Wall socket with interlock switch	1.65 kg	GHG 521 4506 R0001
		Plug	0.42 kg	GHG 521 7506 R0001
		Coupler	0.75 kg	GHG 521 3506 R0001
		Flange socket	0.47 kg	GHG 521 8506 R0001
		Inlet	0.34 kg	GHG 521 9506 R0001

Other voltage ranges and versions available on request



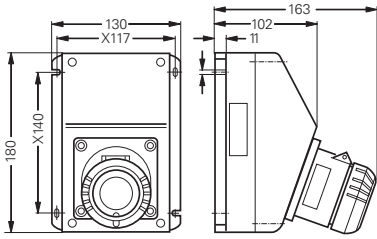
Plug

Coupler

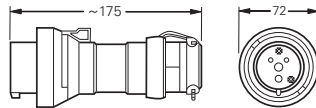
Flange socket

Wall socket

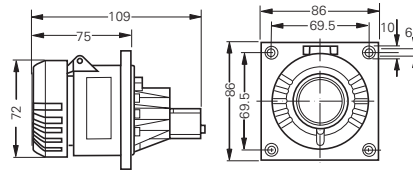
Dimension drawing



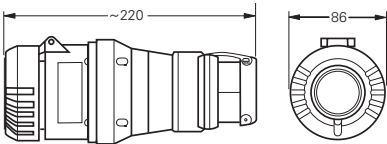
Wall socket 3-pole



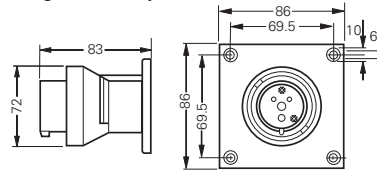
Plug 3-pole



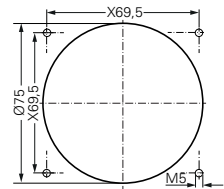
Flange socket 3-pole



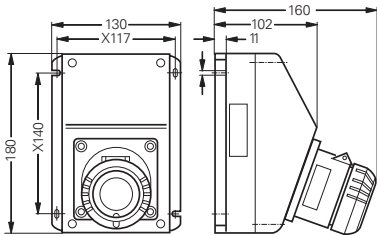
Coupler 3-pole



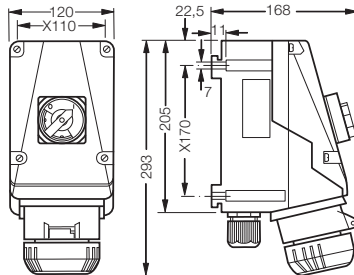
Inlet 3-pole



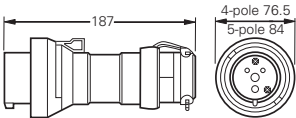
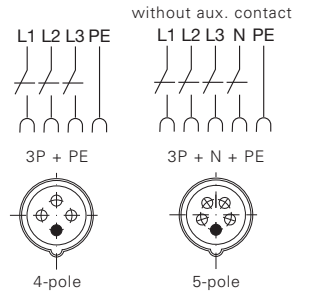
Assembly dimensions flange socket 3 + 4 pole and inlet



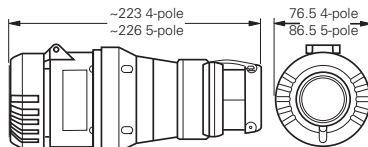
Wall socket 4/5-pole without switch



Wall socket 4/5-pole with switch

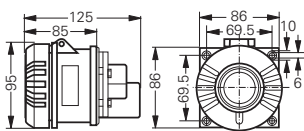


Plug 4/5-pole

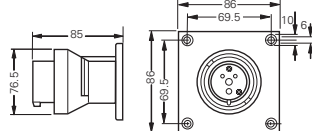


Coupler 4/5-pole

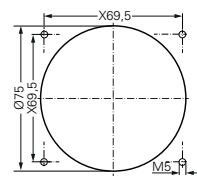
X = fixing dimensions



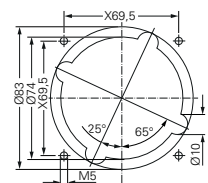
Flange socket 4/5-pole



Inlet 4/5-pole



Assembly dimensions inlet 5 pole



Assembly dimensions flange socket 5 pole

Dimensions in mm

Industrial use: 16A 3-pole, 4-pole and 5-pole up to 415 V



Mounting plate



Plug cap



Protective canopy

1

Accessories

Mounting plates for wall sockets 16 A

Type	Application	Fixing method	Order No.
Size 4	for wall mounting	snap on	GHG 610 1953 R0126
Size 4	for trellis mounting	snap on	GHG 610 1953 R0126
Size 4	for pipe clamp	snap on	GHG 610 1953 R0130

Plug cap for plugs 16 A

Type	Order No.
Plug 16 A 3-pole	GHG 510 1901 R0001
Plug 16 A 4-pole	GHG 510 1901 R0002
Plug 16 A 5-pole	GHG 510 1901 R0003

Accessories for mounting plates

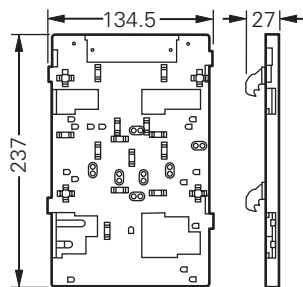
Type	OU	Order No.
Mounting set for pipes 1" (Ø 27 - 30 mm) for mounting plates with pipe fixing	10	GHG 610 1953 R0020

Please pay attention that only order units (OU) according to the ordering details can be delivered.

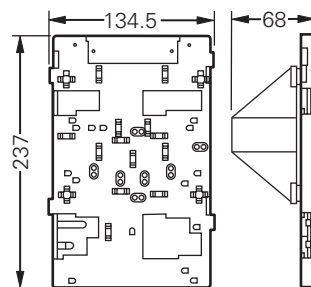
Protective canopy for mounting plate

Type	Application	Order No.
Size 4	for mounting plate size 4, snap on	GHG 610 1955 R0107

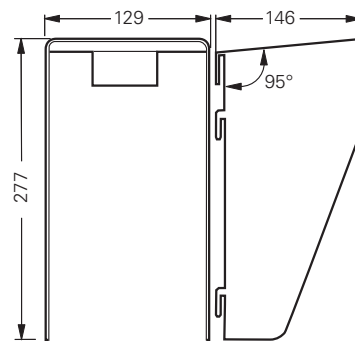
Dimension drawing



Mounting plate size 4
for wall/trellis mounting

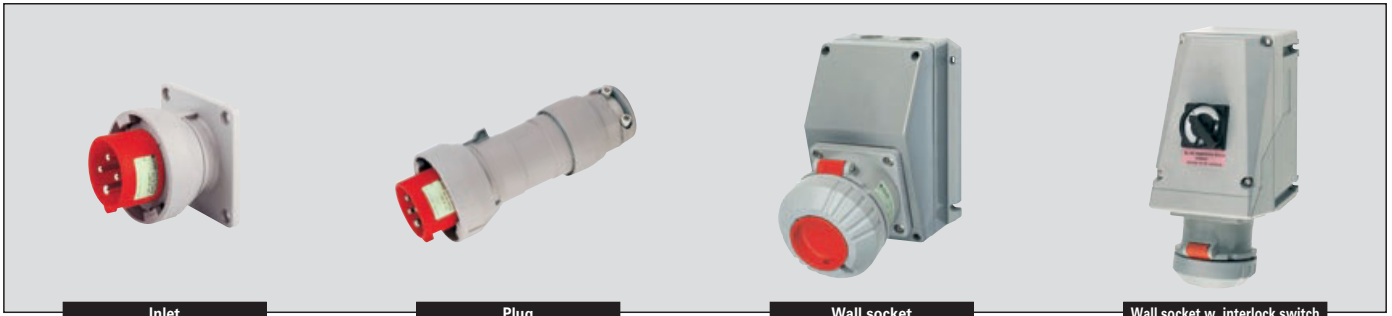


Mounting plate size 4
for pipe mounting



Protective canopy size 4

Dimensions in mm



Technical data

Plugs and receptacles - industrial use acc. to IEC 60309-1/2 up to 690 V

Permissible ambient temperature	-20 °C to +40 °C / -45 °C to +45 °C (optional) ¹⁾
Rated voltage	690 V
Rated current	32 A
Frequency	50/60 Hz
External back-up fuse, max.	without therm. protection: 32 A
Protection class	I
Degree of protection accd. to EN 60529	IP66

Wall socket with interlock switch

Rated making / Rated breaking capacity AC-3 accd. EN 60947-3	
for wall socket with switch	U_n 500 V / I_n 20 A
Cable entry	1 x M40 Ø 17 - 28 mm, 1 x M40 thread plug plastic
Connecting terminals	2 x 4 – 10 mm ²
Enclosure material	glass-fibre reinforced polyester

Wall socket without switch

Cable entry	2 x PG 21 top, 2 x PG 21 bottom
Connecting terminals	1 x 4 – 10 mm ²
Enclosure material	Polyamide

Plug

Cable entry	Ø 17 - 28 mm
Connecting terminals	1 x 1 – 6 mm ²
Enclosure material	Polyamide

Coupler

Cable entry	Ø 17 - 28 mm
Connecting terminals	2 x 4 – 10 mm ²
Enclosure material	Polyamide

Flange socket/Inlet

Connecting terminals	2 x 4 – 10 mm ²
Enclosure material	Polyamide

¹⁾ extended temperature range on request

Industrial use: 32A 4-pole and 5-pole up to 415 V

1



Wall socket



Flange socket



Coupler

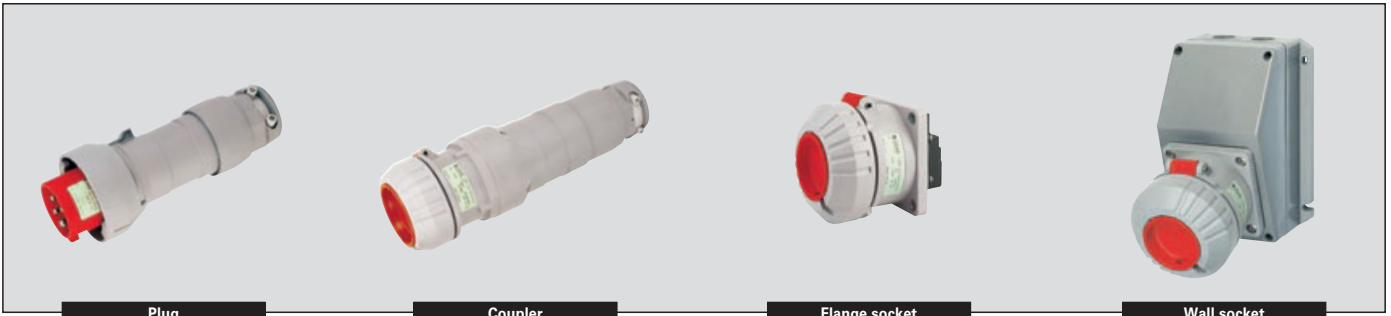


Plug

Ordering details

Voltage	h	Type	Weight approx.	Order No.
Type 32 A 4-pole				
200-250 V		Wall socket	1.0 kg	GHG 522 2409 R0001
		Wall socket with interlock switch	2.15 kg	GHG 522 4409 R0001
		Plug	0.6 kg	GHG 522 7409 R0001
		Coupler	1.5 kg	GHG 522 3409 R0001
		Flange socket	0.5 kg	GHG 522 8409 R0001
		Inlet	0.32 kg	GHG 522 9409 R0001
380-415 V		Wall socket	1.0 kg	GHG 522 2406 R0001
		Wall socket with interlock switch	2.15 kg	GHG 522 4406 R0001
		Plug	0.6 kg	GHG 522 7406 R0001
		Coupler	1.5 kg	GHG 522 3406 R0001
		Flange socket	0.5 kg	GHG 522 8406 R0001
		Inlet	0.32 kg	GHG 522 9406 R0001
480-500 V		Wall socket	1.0 kg	GHG 522 2407 R0001
		Wall socket with interlock switch	2.15 kg	GHG 522 4407 R0001
		Plug	0.6 kg	GHG 522 7407 R0001
		Coupler	1.5 kg	GHG 522 3407 R0001
		Flange socket	0.5 kg	GHG 522 8407 R0001
		Inlet	0.32 kg	GHG 522 9407 R0001
600-690 V		Wall socket	1.0 kg	GHG 522 2405 R0001
		Wall socket with interlock switch	2.15 kg	GHG 522 4405 R0001
		Plug	0.6 kg	GHG 522 7405 R0001
		Coupler	1.5 kg	GHG 522 3405 R0001
		Flange socket	0.5 kg	GHG 522 8405 R0001
		Inlet	0.32 kg	GHG 522 9405 R0001
Type 32 A 5-pole				
200-250 V		Wall socket	1.1 kg	GHG 522 2506 R0001
380-415 V		Wall socket with interlock switch	2.25 kg	GHG 522 4506 R0001
		Plug	0.65 kg	GHG 522 7506 R0001
		Coupler	1.6 kg	GHG 522 3506 R0001
		Flange socket	0.51 kg	GHG 522 8506 R0001
		Inlet	0.33 kg	GHG 522 9506 R0001

Other voltage ranges and versions available on request



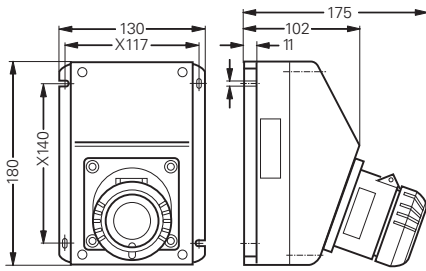
Plug

Coupler

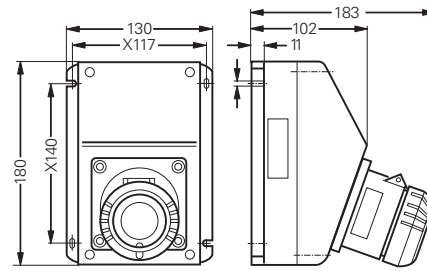
Flange socket

Wall socket

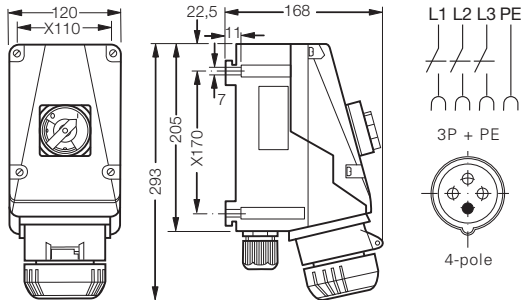
Dimension drawing



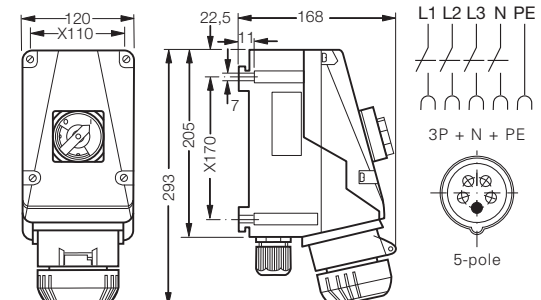
Wall socket 4-pole



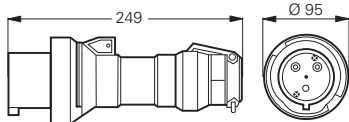
Wall socket 5-pole



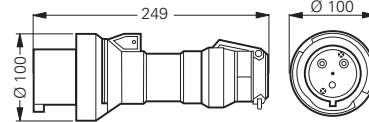
Wall socket with interlock switch 4-pole



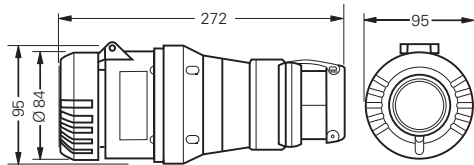
Wall socket with interlock switch 5-pole



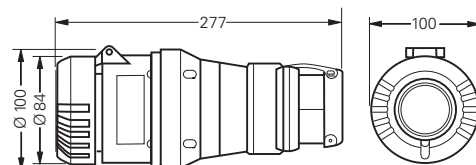
Plug 4-pole



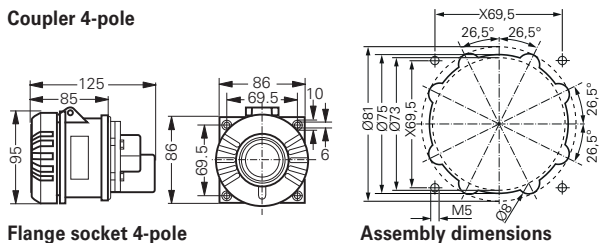
Plug 5-pole



Coupler 4-pole

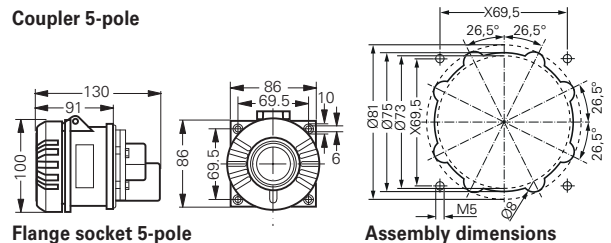


Coupler 5-pole



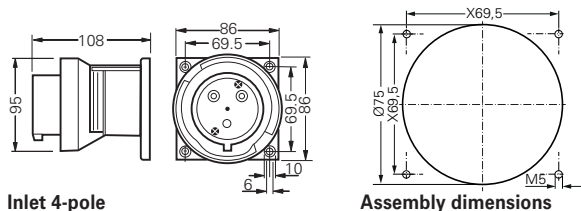
Flange socket 4-pole

Assembly dimensions



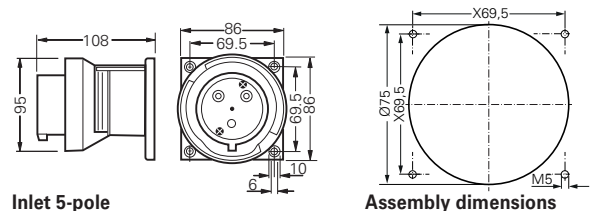
Flange socket 5-pole

Assembly dimensions



Inlet 4-pole

Assembly dimensions

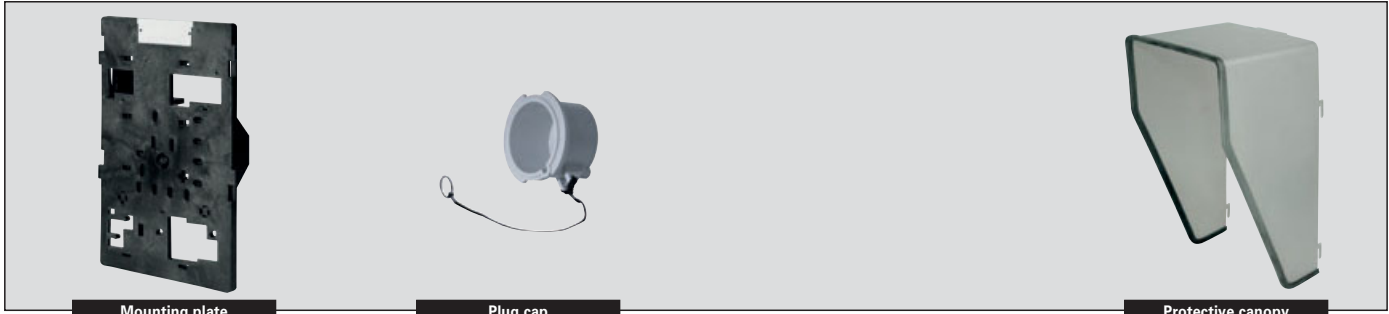


Inlet 5-pole

Assembly dimensions

X = fixing dimensions

Industrial use: 32A 4-pole and 5-pole up to 415 V



Mounting plate

Plug cap

Protective canopy

Accessories

Mounting plates for wall sockets 32 A

Type	Application	Fixing method	Order No.
Size 5	for wall mounting	snap on	GHG 610 1953 R0128
Size 5	for trellis mounting	snap on	GHG 610 1953 R0128
Size 5	pipe clamp	snap on	GHG 610 1953 R0132

Plug cap for plugs 32 A

Type	Order No.
Plug 32 A 3-pole/4-pole	GHG 510 1901 R0004
Plug 32 A 5-pole	GHG 510 1901 R0005

Accessories for mounting plates

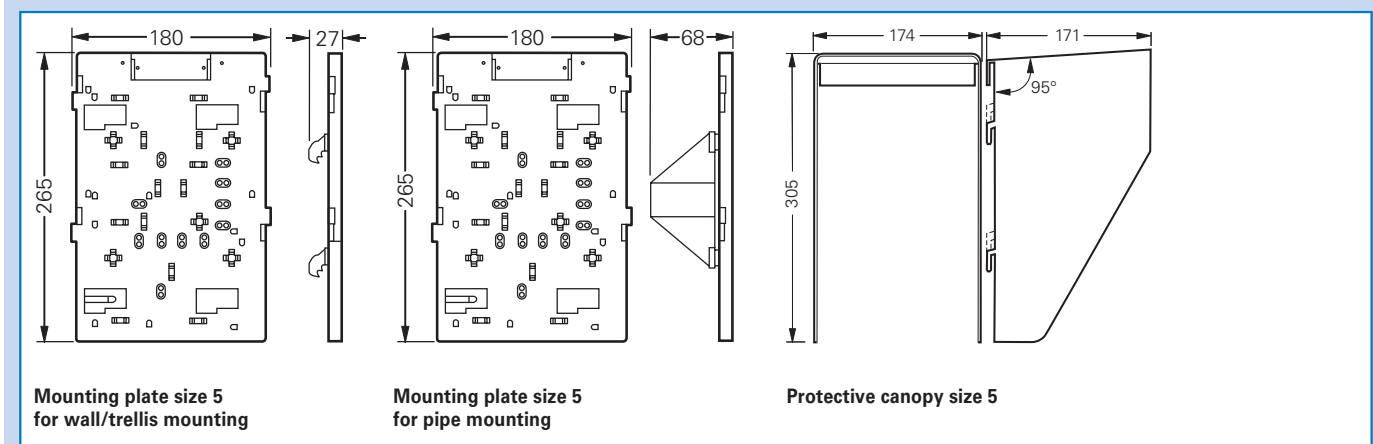
Type	OU	Order No.
Mounting set for pipes 1" (Ø 27 - 30 mm) for mounting plates with pipe fixing	10	GHG 610 1953 R0020

Please pay attention that only order units (OU) according to the ordering details can be delivered.

Protective canopy for mounting plate

Type	Application	Order No.
Size 5	for mounting plate size 5, snap on	GHG 610 1955 R0108

Dimension drawing



Mounting plate size 5 for wall/trellis mounting

Mounting plate size 5 for pipe mounting

Protective canopy size 5

Dimensions in mm



Technical data

Plugs and receptacles - industrial use acc. to IEC 60309-1/2 up to 690 V

Permissible ambient temperature	-20 °C to +40 °C / -40 °C to +40 °C (optional) ¹⁾
Rated voltage	690 V
Rated current	63 A
Frequency	50/60 Hz
External back-up fuse, max.	without therm. protection: 63 A
Protection class	I
Degree of protection accd. to EN 60529	IP66

wall socket with interlock switch

Rated making / Rated breaking capacity AC-23 accd. EN 60947-3	
for wall socket with switch	U_n 500 V / I_n 58 A
Cable entry	1 x M50 Ø 22 - 35 mm, 1 x M50 thread plug plastic
Connecting terminals	2 x 4 - 25 mm ² with switch 2 x 4 - 35 mm ² without switch
Enclosure material	glass-fibre reinforced polyester

Plug

Cable entry	Ø 19 - 34 mm
Connecting terminals	1 x 4 - 16 mm ² / with pin cable lug ²⁾ 1 x 35 mm ²
Enclosure material	Polyamide

Coupler

Cable entry	Ø 19 - 34 mm
Connecting terminals	1 x 2.5 - 35 mm ²
Enclosure material	Polyamide

Flange socket/Inlet

Connecting terminals	1 x 2.5 - 35 mm ²
Enclosure material	Polyamide

¹⁾ extended temperature range on request

²⁾ use supplied cable lugs

Industrial use: 63A 4-pole and 5-pole up to 690 V



Wall socket w. interlock switch

Flange socket

Coupler

Plug

Ordering details

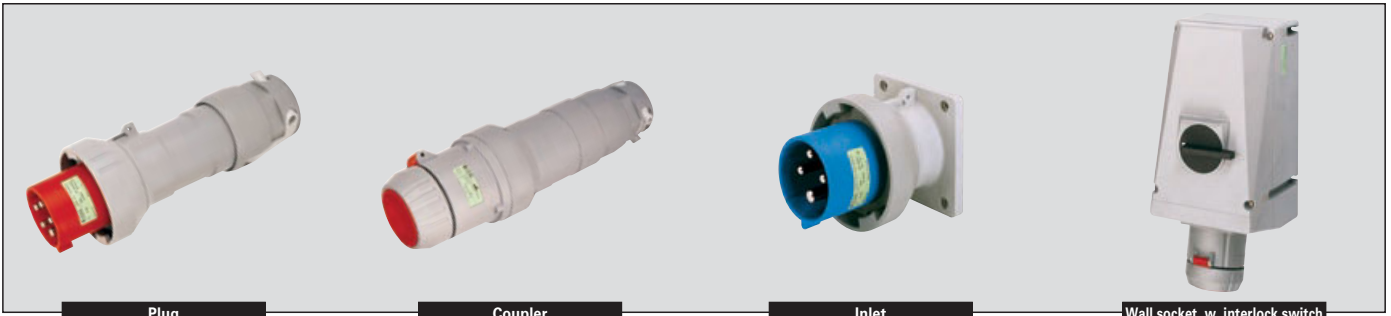
Voltage	h	Type	Weight approx.	Order No.
Type 63 A 4-pole				
200-250 V		Wall socket with interlock switch	5.5 kg	GHG 524 4409 R0001
		Plug	0.75 kg	GHG 524 7409 R0001
		Coupler	1.2 kg	GHG 524 3409 R0001
		Flange socket	1.3 kg	GHG 524 8409 R0001
		Inlet	0.9 kg	GHG 524 9409 R0001
380-415 V		Wall socket with interlock switch	5.5 kg	GHG 524 4406 R0001
		Plug	0.75 kg	GHG 524 7406 R0001
		Coupler	1.2 kg	GHG 524 3406 R0001
		Flange socket	1.3 kg	GHG 524 8406 R0001
		Inlet	0.9 kg	GHG 524 9406 R0001
480-500 V		Wall socket with interlock switch	5.5 kg	GHG 524 4407 R0001
		Plug	0.75 kg	GHG 524 7407 R0001
		Coupler	1.2 kg	GHG 524 3407 R0001
		Flange socket	1.3 kg	GHG 524 8407 R0001
		Inlet	0.9 kg	GHG 524 9407 R0001
600-690 V		Wall socket with interlock switch	5.5 kg	GHG 524 4405 R0001
		Plug	0.75 kg	GHG 524 7405 R0001
		Coupler	1.2 kg	GHG 524 3405 R0001
		Flange socket	1.3 kg	GHG 524 8405 R0001
		Inlet	0.9 kg	GHG 524 9405 R0001

Type 63 A 5-pole				
200/250 V up to 380/415 V		Wall socket with interlock switch	5.6 kg	GHG 524 4506 R0001
		Plug	0.8 kg	GHG 524 7506 R0001
		Coupler	1.3 kg	GHG 524 3506 R0001
		Flange socket	1.4 kg	GHG 524 8506 R0001
		Inlet	1.0 kg	GHG 524 9506 R0001

Other voltage ranges and versions available on request

Accessories

Plug cap for plugs		
Type	OU	Order No.
Set of pin cable lug 35 mm ² (5 pcs. for plug)	5	GHG 510 1916 R0001
Plug cap 4-pole/5-pole	1	GHG 510 1901 R0006



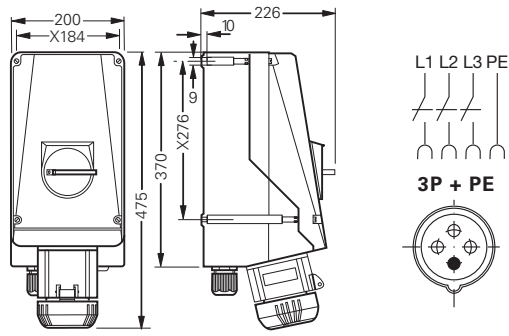
Plug

Coupler

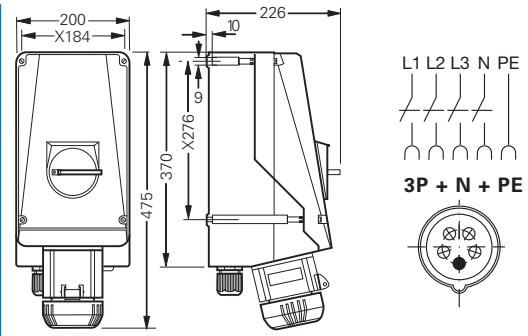
Inlet

Wall socket w. interlock switch

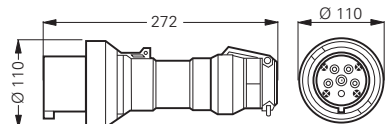
Dimension drawing | Wiring diagram



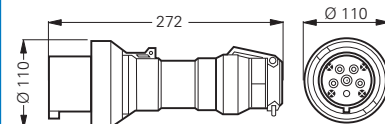
Wall socket 4-pole



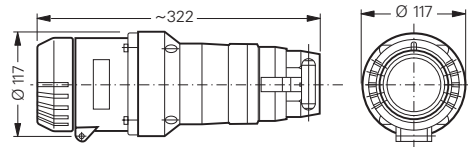
Wall socket 5-pole



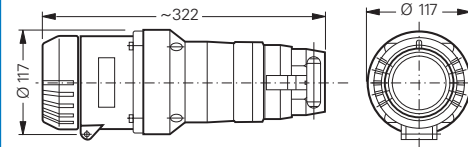
Plug 4-pole



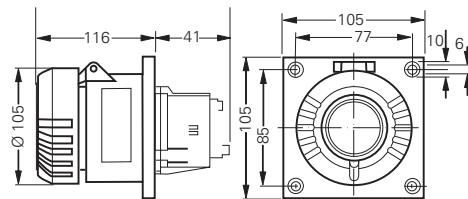
Plug 5-pole



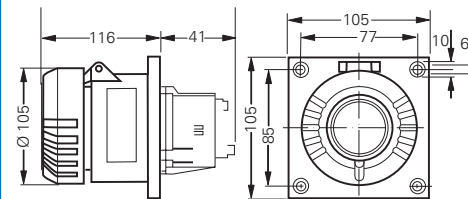
Coupler 4-pole



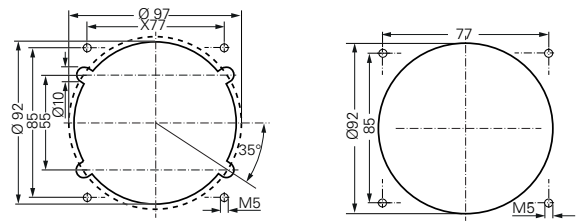
Coupler 5-pole



Flange socket 4-pole

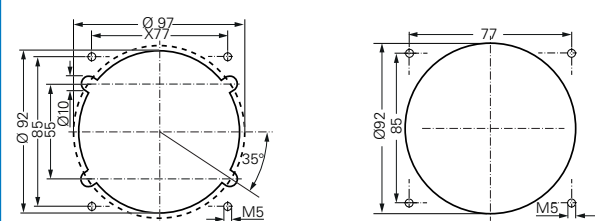


Flange socket 5-pole



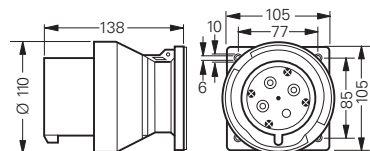
Assembly dimensions flange socket

Assembly dimensions inlet

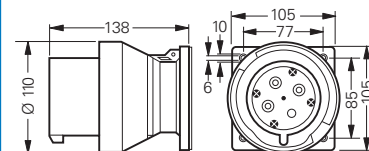


Assembly dimensions flange socket

Assembly dimensions inlet



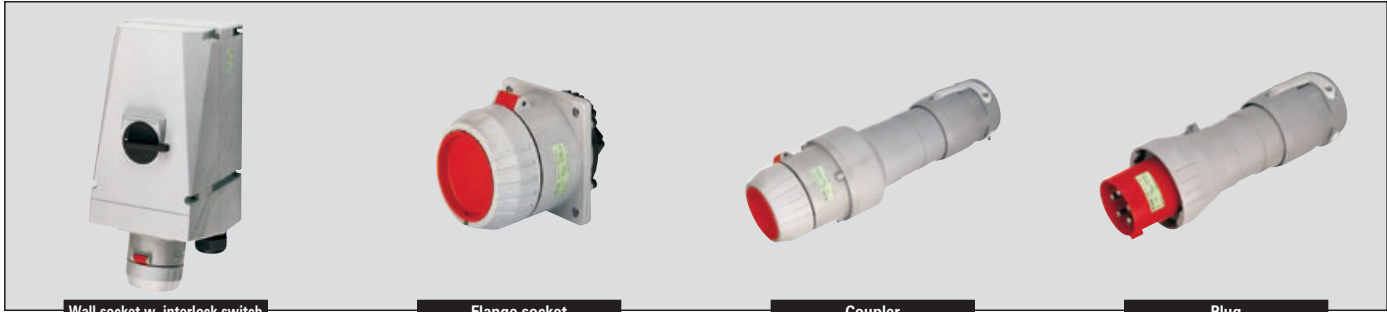
Inlet 4-pole



Inlet 5-pole

X = fixing dimensions

Industrial use: 125A 4-pole and 5-pole up to 690 V



Technical data

Plugs and receptacles - industrial use acc. to IEC 60309-1/2 up to 690 V

Permissible ambient temperature	-20 °C to +40 °C / -40 °C to +40 °C (optional) ¹⁾
Rated voltage	690 V~
Rated current	125 A
Frequency	50/60 Hz
External back-up fuse, max.	without therm. protection: 125 A
Protection class	I
Degree of protection accd. to EN 60529	IP66

Wall socket with interlock switch

Rated making / Rated breaking capacity AC-23 accd. EN 60947-3	
for wall socket with switch	U_n 500 V / I_n 70 A
Cable entry	1 x M63 Ø 27 - 48 mm, 1 x M63 thread plug plastic
Connecting terminals	2 x 10 - 70 mm ²
Enclosure material	glass-fibre reinforced polyester

Plug

Cable entry	Ø 31 - 58 mm
Connecting terminals	1 x 2.5 - 35 mm ² / with pin cable lug ²⁾ 35 mm ²
Enclosure material	Polyamide

Coupler

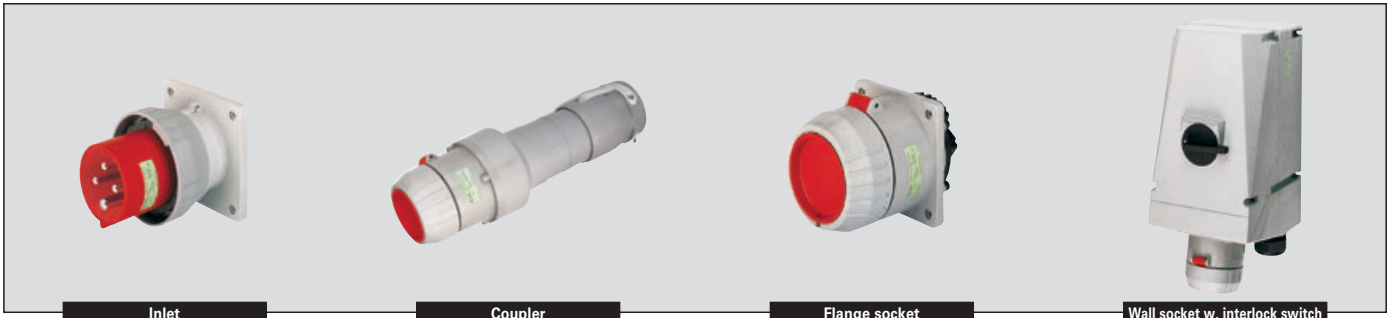
Cable entry	Ø 31 - 58 mm
Connecting terminals	1 x 16 - 35 mm ²
Enclosure material	Polyamide

Flange socket

Connecting terminals	1 x 2.5 - 35 mm ²
Enclosure material	Polyamide

¹⁾ extended temperature range on request

²⁾ use supplied cable lugs



Ordering details

Voltage	h	Type	Weight approx.	Order No.
Type 125 A 4-pole				
200-250 V		Wall socket with interlock switch	8.6 kg	GHG 525 4409 R0001
		Plug	1.3 kg	GHG 525 7409 R0001
		Coupler	2.1 kg	GHG 525 3409 R0001
		Flange socket	1.4 kg	GHG 525 8409 R0001
		Inlet	0.9 kg	GHG 525 9409 R0001
380-415 V		Wall socket with interlock switch	8.6 kg	GHG 525 4406 R0001
		Plug	1.3 kg	GHG 525 7406 R0001
		Coupler	2.1 kg	GHG 525 3406 R0001
		Flange socket	1.4 kg	GHG 525 8406 R0001
		Inlet	0.9 kg	GHG 525 9406 R0001
480-500 V		Wall socket with interlock switch	8.6 kg	GHG 525 4407 R0001
		Plug	1.3 kg	GHG 525 7407 R0001
		Coupler	2.1 kg	GHG 525 3407 R0001
		Flange socket	1.4 kg	GHG 525 8407 R0001
		Inlet	0.9 kg	GHG 525 9407 R0001
600-690 V		Wall socket with interlock switch	8.6 kg	GHG 525 4405 R0001
		Plug	1.3 kg	GHG 525 7405 R0001
		Coupler	2.1 kg	GHG 525 3405 R0001
		Flange socket	1.4 kg	GHG 525 8405 R0001
		Inlet	0.9 kg	GHG 525 9405 R0001
Type 125 A 5-pole				
200-250 V		Wall socket with interlock switch	8.8 kg	GHG 525 4506 R0001
380-415 V		Plug	1.4 kg	GHG 525 7506 R0001
		Coupler	2.2 kg	GHG 525 3506 R0001
		Flange socket	1.5 kg	GHG 525 8506 R0001
		Inlet	1.1 kg	GHG 525 9506 R0001

Other voltage ranges and versions available on request

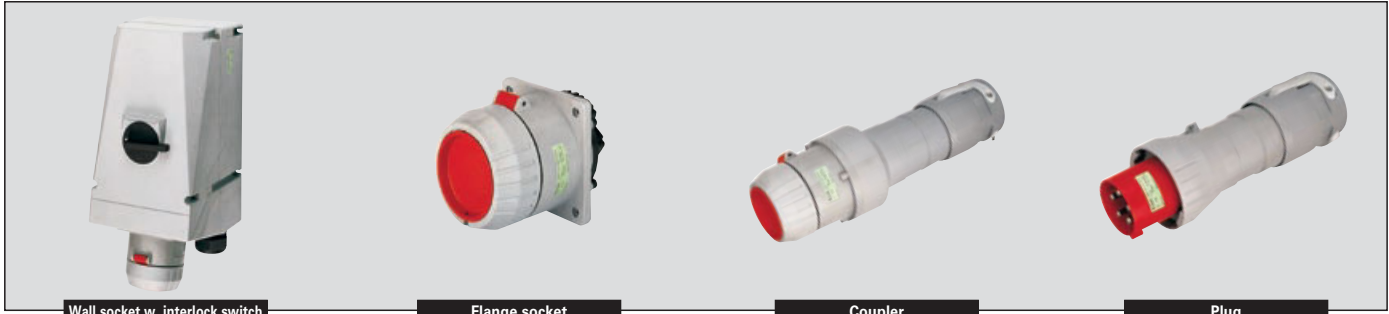
Accessories

Plug cap for plugs

Type	OU	Order No.
Set of pin cable lug 50 mm ² (5 pcs. for plug)	5	GHG 510 1916 R0002
Plug cap 4-pole/5-pole	1	GHG 510 1901 R0007

Industrial use: 125A 4-pole and 5-pole up to 690 V |

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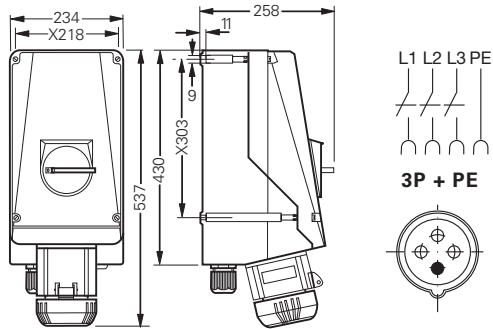
Wall socket w. interlock switch

Flange socket

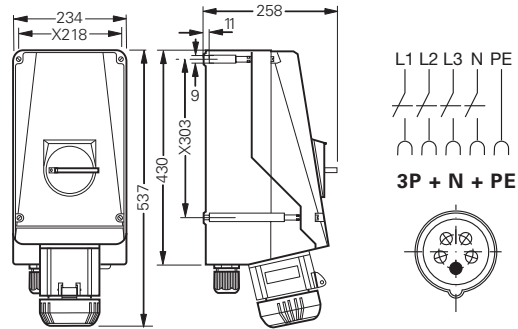
Coupler

Plug

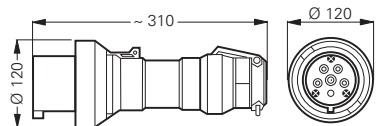
Dimension drawing | Wiring diagram



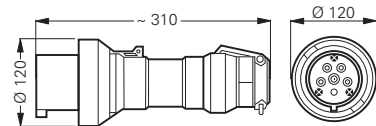
Wall socket 4-pole



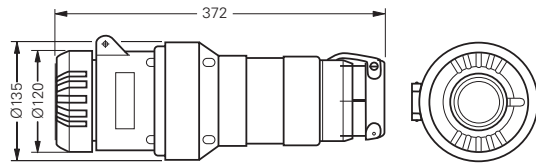
Wall socket 5-pole



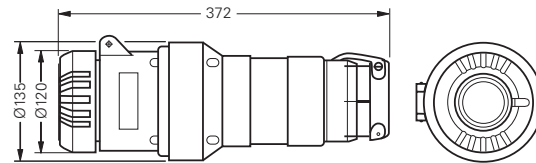
Plug 4-pole



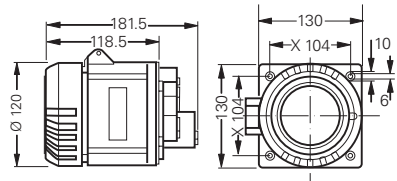
Plug 5-pole



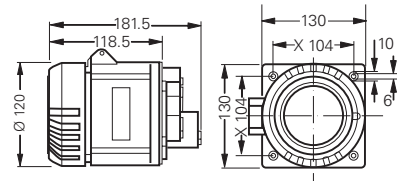
Coupler 4-pole



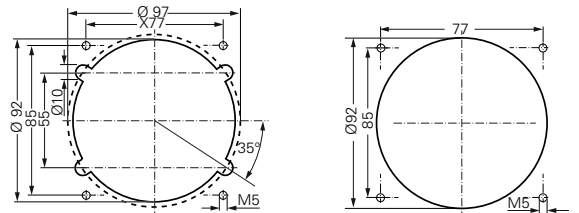
Coupler 5-pole



Flange socket 4-pole

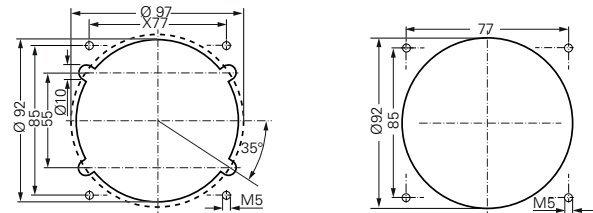


Flange socket 5-pole



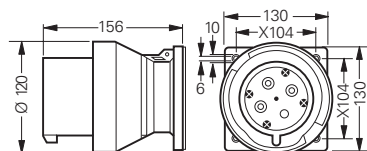
Assembly dimensions flange socket

Assembly dimensions inlet

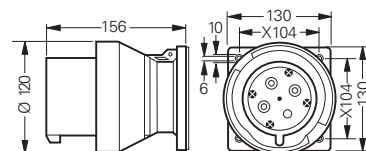


Assembly dimensions flange socket

Assembly dimensions inlet



Inlet 4-pole



Inlet 5-pole

X = fixing dimensions

Dimensions in mm