

Ex-Protected Portable Power Supply Units

1 16 A – 125 A for Zone 1

Mobile power supply everywhere

Special requirements apply for power distributions for the use and operation of portable equipment in hazardous areas in Zones 1, 2, 21 and 22. It is necessary to ensure that any external mechanical influences are effectively kept away from the equipment.

CEAG explosion-protected power distributions fulfil these high mechanical explosion protection requirements by means of a high-strength protective

framework made of stainless steel (1.4301) and enclosures that have been specially developed for this purpose.

Whether in accordance with customer requirements or as a series product, sizes 16 A – 125 A are possible. All the electrical outgoing circuits can be fitted with separate MCBs or RCDs. Customized components, such as electronic sub-assemblies, can also be safely built into special, flameproof enclosures with the required Certificate of Conformity.

Degree of protection

The power distributions are fitted with flange sockets that fulfil the high requirements of the degree of protection IP 66, even with plugs inserted.

Thus, these distributions are even suitable for use under most extreme industrial conditions.

For the additional connection to the protective conductor (PE) or equipotential bonding conductor (PA), there is a stud welded directly onto the framework.



Features

- Flexible power distribution in the hazardous area thanks to sockets with lamellar contacts for optimum contact safety
- Padlocking of switch with all-pole disconnection and full AC-3 switching capacity
- High mechanical, chemical and thermal resistance
- Customer specific design



EXKO 233201 A0015

Technical data

Ex-protected portable power supply unit EXKO	
Marking accd. to 2014/34/EU	II 2 G Ex de IIC T4 / II 2 D Ex tD A21 IP65 T95°C
EC-Type Examination Certificate	PTB 99 ATEX 1044
Permissible ambient temperature	-20°C up to +40°C
Rated voltage	400 V / 230 V
Rated current	63 A
Frequency	50 - 60 Hz
Back-up fuse external	63A gG
Protection class	I
Degree of protection accd. to EN 60529	IP65
Cable entry	1 x M50 Trumpet shaped cable gland
Enclosure material	sheet steel, painted (option stainless steel AISI 316L) Wall socket: glass-fibre reinforced polyester, plug: polyamide
Dimensions (H x W x D)	metal frame stainless steel, squared 20 x 20 x 2 including lockable wheels 968 x 800 x 600 mm
Enclosure colour	RAL 7032

Ordering details

Design	Components external	Order No.
1x MCB 4-pole - C40A, 10kA 1x RCD 4-pole - 40A 0.03A 10kA 1x RCD 4-pole - 63A 0.03A, 10kA 3x RCD with overcurrent protection (1-pole+N, C16A/0.03, 10kA) 3x MCB 4-pole - C32A, 10kA	1x Plug 63A 5-pole, 06h (GHG5147506R0001) 1x Wall socket 63A 5-pole, 06h (GHG5144506R0001) 3x Flange socket 32A 5-pole, 06h (GHG5128506R0001) 6x Flange socket 16A 3-pole, 06h (GHG5118306R0001) actuating flap for components	EXKO 233201 A0015

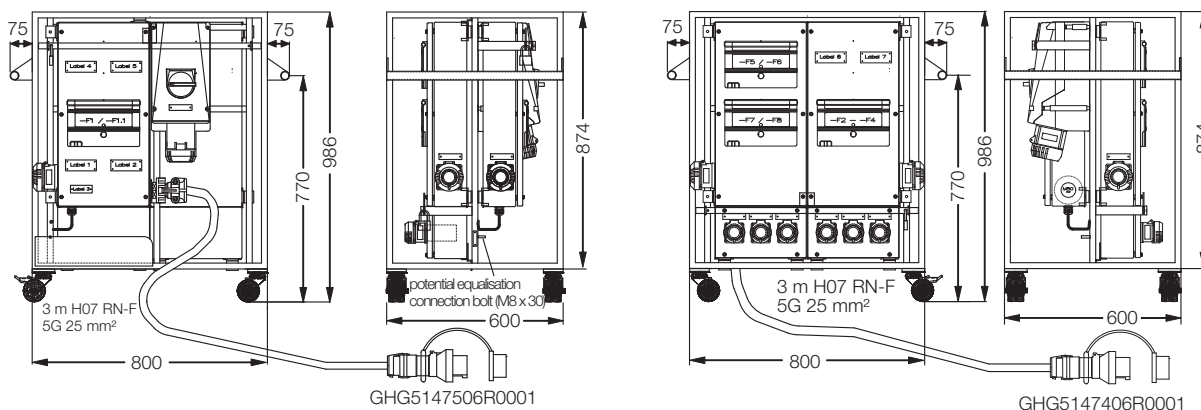
Option:

Padlock facility for enclosure cover

Enclosure material stainless steel AISI 316L

Customized solution for connection cable, plugs & sockets and rated voltage

Dimension drawing



Dimensions in mm

Ex-protected portable power supply units



only for illustration

Technical data

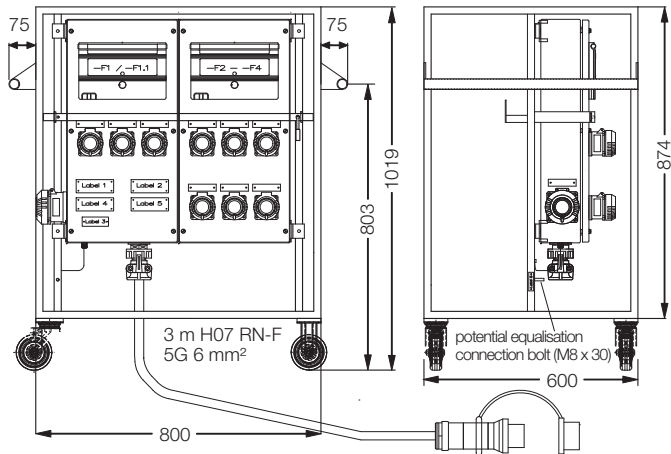
Ex-protected portable power supply unit EXKO 233201 A0016	
Marking accd. to 2014/34/EU	II 2 G Ex de IIC T4 / II 2 D IP65 T95°C
EC-Type Examination Certificate	PTB 99 ATEX 1044
Permissible ambient temperature	-20 °C to +40 °C
Rated voltage	400 V / 230 V
Rated current	32 A
Frequency	50 Hz
Back-up fuse external	32 A gG / gG
Protection class	I
Degree of protection accd. to EN 60529	IP65
Cable entry	1x M32 Trumpet shaped cable gland, 1x M12 cable gland plastic
Connecting cable	H07RN-F 5 x 6mm ² with plug 32A, 3 m
Enclosure material	Sheet steel, painted (optional: stainless steel AISI 316L), Wall socket: glass-fibre reinforced polyester, plug: polyamide
Dimensions (H x W x D)	Metal frame stainless steel squared 20 x 20 x 2 including lockable wheels 1019 x 800 x 600 mm
Weight	69 kg
Enclosure colour	RAL 7032

Ordering details

Design	Components external	Order No.
1x MCB S204M - C32A, 10kA 1x RCD F204A - 40A 0.03A 10kA 3x RCBO DS971 - C16A 0.03A, 10kA	1x Plug 32A 5-pole, 380-415V (06h) (GHG5127506R0001) 1x Flange socket 32A 5-pole, 380-415V (06h) (GHG5128506R0001) 6x Flange socket 16A 3-pole, 230V (06h) (GHG5118306R0001) actuating flap for components	EXKO 233201 A0016

Option:
Padlock facility for enclosure cover
Enclosure material stainless steel AISI 316L
Customized solution for connection cable, plugs & sockets and rated voltage

Dimension drawing



Dimensions in mm



only for illustration

1

Technical data

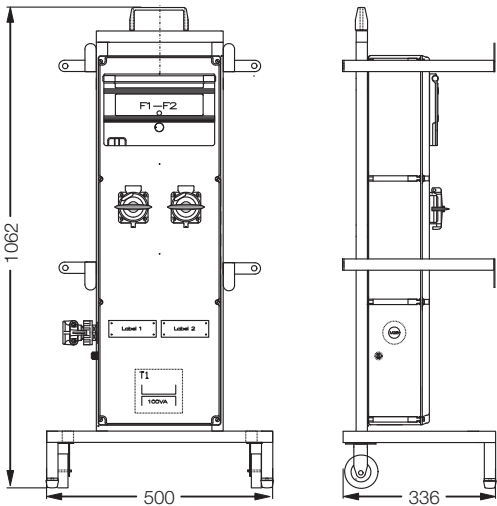
Ex-protected portable power supply unit EXKO 233201 A0006	
Marking accd. to 2014/34/EU	II 2 G Ex de IIC T4
EC-Type Examination Certificate	PTB 99 ATEX 1044
Permissible ambient temperature	-20 °C to +40 °C
Rated voltage	230/24 V transformer, 100 VA
Rated current	16 A
Frequency	50 Hz
Back-up fuse external	16 A gG / gG
Protection class	I
Degree of protection accd. to EN 60529	IP65
Cable entry	1x M25 Trumpet shaped cable gland, 1x M12 cable gland plastic
Enclosure material	glass-fibre reinforced polyester (option sheet steel, painted or stainless steel AISI 316L) Wall socket: glass-fibre reinforced polyester, plug: polyamide
Dimensions (H x W x D)	Metal frame stainless steel squared 20 x 20 x 2 with wheels 1062 x 500 x 336 mm
Weight	30 kg
Enclosure colour	black

Ordering details

Design	Components external	Order No.
1x MCB S202M - K0.5A, 10kA 1x RCBO DS971 - C4A 0.03A, 10kA 1x transformer 230/24V 100VA	2x Flange socket 16A 3-pole, 24V (GHG5420007R0003) actuating flap for components	EXKO 233201 A0006

Option:
Padlock facility for enclosure cover
Enclosure material stainless steel AISI 316L
Customized solution for connection cable, plugs & sockets and rated voltage

Dimension drawing



Dimensions in mm

Ex-protected portable power supply units



only for illustration

Technical data

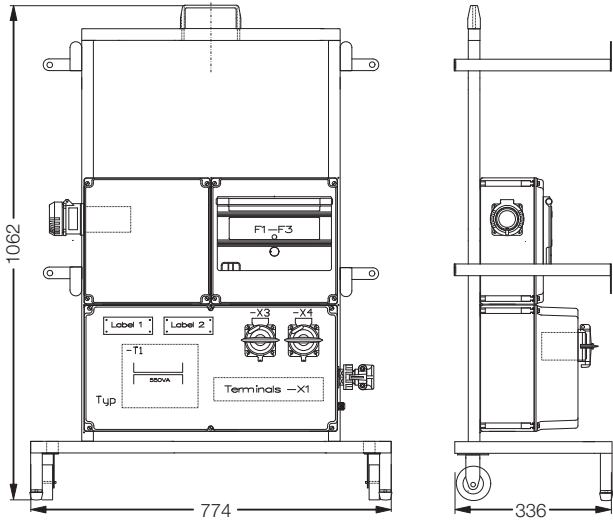
Ex-protected portable power supply unit EXKO 233201 A0007	
Marking accd. to 2014/34/EU	II 2 G Ex de IIC T4
EC-Type Examination Certificate	PTB 99 ATEX 1044
Permissible ambient temperature	-20°C up to +40°C
Rated voltage	110/24 V transformer, 500 VA
Rated current	16 A
Frequency	50 Hz
Back-up fuse external	25A gG / gG
Protection class	I
Degree of protection accd. to EN 60529	IP65
Cable entry	1 x M25 Trumpet shaped cable gland, 1 x M12 cable gland plastic
Enclosure material	glass-fibre reinforced polyester (option sheet steel, painted or stainless steel AISI 316L) Wall socket: glass-fibre reinforced polyester, plug: polyamide
Dimensions (H x W x D)	Metal frame stainless steel squared 20 x 20 x 2 with wheels 1062 x 774 x 336 mm
Weight	44 kg
Enclosure colour	black

Ordering details

Design	Components external	Order No.
1x MCB S202P - K6A, 10kA 2x MCB S202M - C16A, 10kA 1x transformer 110/24V 550VA	1x Flange socket 16A 3-pole, 110V (GHG5118304R0001) 2x Flange socket 16A 2polig, 24V (GHG5420007R0004) actuating flap for components	EXKO 233201 A0007

Option:
Padlock facility for enclosure cover
Enclosure material stainless steel AISI 316L
Customized solution for connection cable, plugs & sockets and rated voltage

Dimension drawing



Dimensions in mm



only for illustration

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Technical data

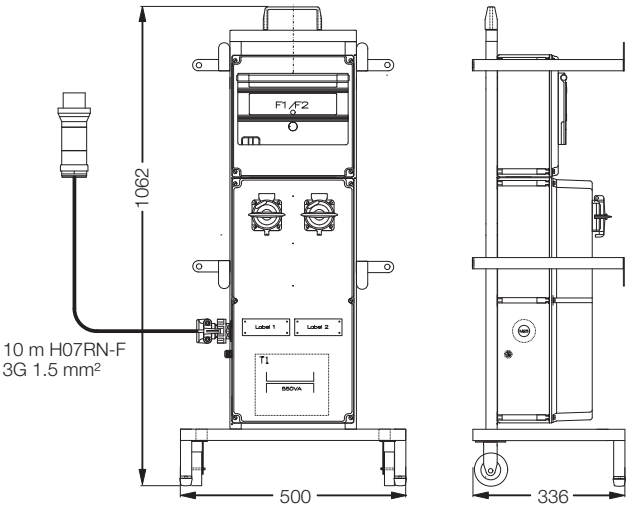
Ex-protected portable power supply unit EXKO 233201 A0014	
Marking accd. to 2014/34/EU	II 2 G Ex de IIC T4
EC-Type Examination Certificate	PTB 99 ATEX 1044
Permissible ambient temperature	-20°C up to +40°C
Rated voltage	230/42 V transformer, 550 VA
Rated current	16 A
Frequency	50 - 60 Hz
Back-up fuse external	16 A gG / gG
Protection class	I
Degree of protection accd. to EN 60529	IP65
Cable entry	1x M25 Trumpet shaped cable gland, 1x M12 cable gland plastic
Connecting cable	H07RN-F 3 x 1.5 mm ² with plug 16A, 3 m
Enclosure material	glass-fibre reinforced polyester (option sheet steel, painted or stainless steel AISI 316L) Wall socket: glass-fibre reinforced polyester, plug: polyamide
Dimensions (H x W x D)	Metal frame stainless steel squared 20 x 20 x 2 with wheels 1062 x 500 x 336 mm
Weight	40 kg
Enclosure colour	black

Ordering details

Design	Components external	Order No.
1x MCB S202P - K3A, 10kA 1x MCB S202M - C10A, 10kA 1x transformer 230/42V 550VA	2 x Flange socket 16 A 2-pole, 42 V (GHG5420007R0002) 1 x Plug 16 A 3-pole, 230 V 06 h (GHG5117306R0001) actuating flap for components	EXKO 233201 A0014

Option:
Padlock facility for enclosure cover
Enclosure material stainless steel AISI 316L
Customized solution for connection cable, plugs & sockets and rated voltage

Dimension drawing



Dimensions in mm

Ex-protected portable power supply units



EXKO 233201 A0019

Technical data

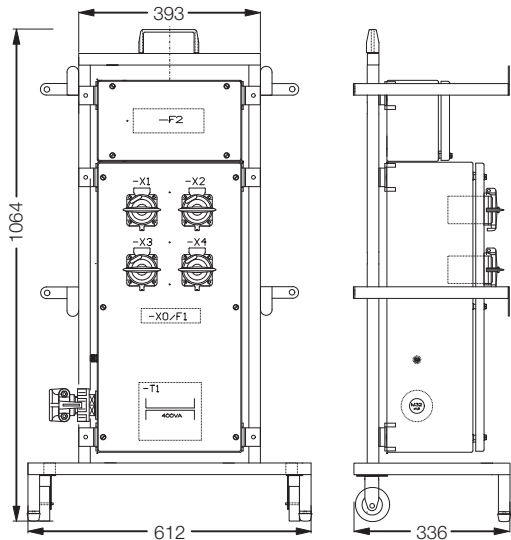
Ex-protected portable power supply unit EXKO 233201 A0019	
Marking accd. to 2014/34/EU	II 2 G Ex de IIC T4
EC-Type Examination Certificate	PTB 99 ATEX 1044
Permissible ambient temperature	-20°C up to +55°C
Rated voltage	240/42 V transformer, 400 VA
Rated current	16 A
Frequency	50 Hz
Back-up fuse external	16 A gG / gG
Protection class	I
Degree of protection accd. to EN 60529	IP65
Cable entry	1x M32 Trumpet shaped cable gland, 1x M12 cable gland plastic
Enclosure material	Sheet steel (option stainless steel AISI 316L) Wall socket: glass-fibre reinforced polyester, plug: polyamide
Dimensions (H x W x D)	Metal frame stainless steel squared 20 x 20 x 2 with wheels 1064 x 612 x 336 mm
Weight	38 kg
Enclosure colour	RAL 7032

Ordering details

Design	Components external	Order No.
1x MCB S202M - K16A, 10kA 1x Ex-d Sicherung 2x T 2A 1x transformer 240/24V 400VA	4x Flange socket 16A 3-pole, 24V (GHG5425300V0000) 4x Plug 16A 3-pole, 24V (GHG5422300V0000) actuating flap for components	EXKO 233201 A0019

Option:
Padlock facility for enclosure cover
Enclosure material stainless steel AISI 316L
Customized solution for connection cable, plugs & sockets and rated voltage

Dimension drawing



Dimensions in mm



1

EXKO 233201 A0021

Technical data

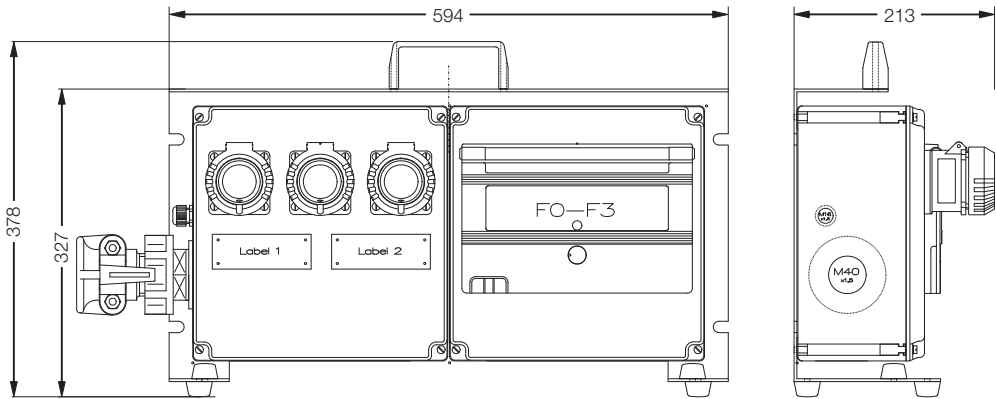
Ex-protected portable power supply unit EXKO 233201 A0021	
Marking accd. to 2014/34/EU	II 2 G Ex de IIC T4 / II 2 D IP65 T95°C
EC-Type Examination Certificate	PTB 99 ATEX 1044
Permissible ambient temperature	-20 °C to +40 °C
Rated voltage	207 V / 120 V
Rated current	32 A
Frequency	50 Hz
Back-up fuse external	63 A gG / gG
Protection class	I
Degree of protection accd. to EN 60529	IP65
Cable entry	1x M40 Trumpet shaped cable gland, 1x M12 cable gland plastic
Connecting cable	H07RN-F 5 x 10 mm² without plug, 10 m
Enclosure material	Plastic, metal plate AISI 304L Wall socket: glass-fibre reinforced polyester, plug: polyamide
Dimensions (H x W x D)	Metal frame 378 x 594 x 213 mm
Weight	25 kg
Enclosure colour	black

Ordering details

Design	Components external	Order No.
1x MCB S202M - C32A, 10kA 3x Fi-LS DS971 - C16A 0.03A, 6kA	3x Wall socket 16A 3-pole, 120V (04h) (GHG5118304R0001) actuating flap for components	EXKO 233201 A0021

Option:
Padlock facility for enclosure cover
Enclosure material stainless steel AISI 316L
Customized solution for connection cable, plugs & sockets and rated voltage

Dimension drawing



Dimensions in mm

Ex-protected portable power supply units



Technical data

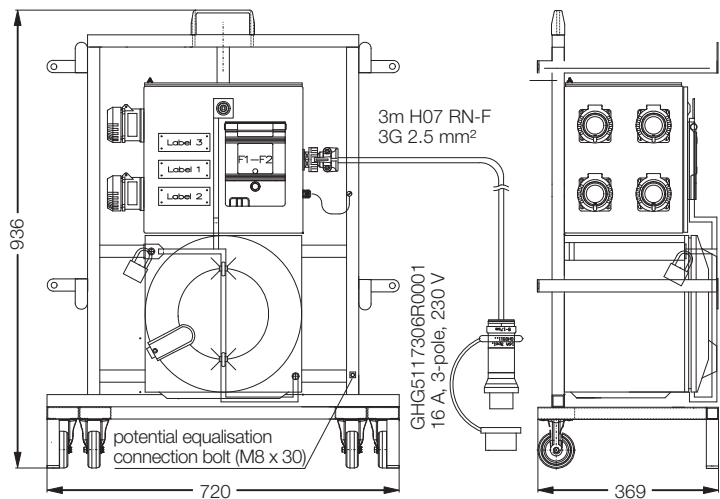
Ex-protected portable power supply unit EXKO 233201 A0025	
Marking accd. to 2014/34/EU	II 2 G Ex de IIC T4
EC-Type Examination Certificate	PTB 99 ATEX 1057
Permissible ambient temperature	-20 °C to +40 °C
Rated voltage	230/24 V transformer, 400 VA
Rated current	16 A
Frequency	50 Hz
Back-up fuse external	16 A gG / gG
Protection class	I
Degree of protection accd. to EN 60529	IP65
Cable entry	1x M25 Trumpet shaped cable gland, 1 x M12 cable gland plastic
connecting cable	H07RN-F 3 x 2.5 mm² with plug 16 A, 3 m
Enclosure material	Ex-d enclosure: die-cast aluminium, connection box: stainless steel AISI 316L Wall socket: glass-fibre reinforced polyester, plug: polyamide
Dimensions (H x W x D)	Metal frame stainless steel squared 20 x 20 x 2 including lockable wheels 936 x 720 x 369 mm
Weight	62 kg
Enclosure colour	RAL 7032

Ordering details

Design	Components external	Order No.
1x MCB S202M - C10A, 10kA 1x MCB S202M - C13A, 10kA 1x power supply 230V AC / 24V DC 20A	1x Plug 16A 3-pole, 230V (06h) (GHG5117306R0001) 4x Wall socket 16A 3-pole, 24V (01h) (GHG5118301R0001) actuating flap for components	EXKO 233201 A0025

Option:
Padlock facility for enclosure cover
Enclosure material stainless steel AISI 316L
Customized solution for connection cable, plugs & sockets and rated voltage

Dimension drawing



Dimensions in mm

