



PROFI-line earthing clamp

Instruction manual



English

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Changes and errors excepted.
Detail deviations between illustration and product are possible.

1.

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General safety regulations

These operating instructions describe the installation, operation and maintenance of the device and serve as an important source of information and reference.

- The product may only be installed and operated in a technically perfect condition and in compliance with these instructions.
- The operating instructions are an integral part of the product and must be kept in the immediate vicinity of the device for installation, operating and maintenance personnel to access at all times.
- In addition, the local accident prevention regulations and general safety regulations applicable to the area of application of the device must be observed.
- The group of installers and operators must have basic knowledge of the practice of electrostatic grounding as well as technical skills for installation and use.
- Furthermore, all work in all phases of operation may only be carried out by trained and authorised technical personnel. The responsibilities of the personnel shall be determined by the operator.
- Conversions, repairs or modifications may only be carried out by the manufacturer.
- Periodic tests and the time intervals provided for them can be determined and carried out by the ATEX representative in accordance with DIN EN 60079-17.



WARNING

Applications for which these devices are not intended cancel the explosion protection.
Every intervention and every modification of the device invalidates the ATEX approval.

Basic functional description

1-pole earthing clamps

Grounding clamps with designations

- PROFI-line 106-1
- PROFI-line 115-KAIMAN (oZ / mZ)
- PROFI-line 123-1
- PROFI-line 115-1 (oZ / mZ)
- PROFI-line 114-1
- PROFI-line 115-MINI-KAIMAN,
- PROFI-line 120-1

are designed to prevent electrostatic charges in hazardous areas and provide a safe connection between stationary and mobile, metallic or conductive and dissipative objects and a good earth.

Typical applications include drums, containers, tankers, type C big bags, conductive inliners, machine and plant components.

Please note that this is only guaranteed with an appropriate earthing cable. (Available on request)

2-pole earthing clamps

Grounding clamps with designations

- PROFI-line 114-2 (incl. the modified version 114-2.3)
- PROFI-line 123-2 (incl. the modified version 123-2.3)
- PROFI-line 120-2

also serve to prevent electrostatic charges in hazardous areas and provide a safe connection between stationary and mobile, metallic or conductive objects and a good earth. By using a grounding system, this created connection can* optically represent the presence of a good ground and evaluate it by means of potential-free changeover contacts.

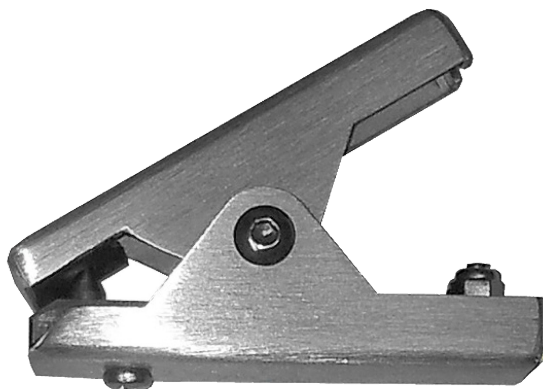
Typical applications include drums, containers, tankers, type C big bags, conductive inliners, machine and plant components.

*Please note that these earthing clamps can only be used in conjunction with a SYMEGA-VO or SYMEGA-SI earthing system.

GENERAL

Technical Data

Earthing clamp PROFI-line 106-1



For use in Zone 0 and Zone 20

Earthing clamp PROFI-line 106-1

Ex approval according to EU type examination certificate:	TPS 19 ATEX 092819 0004 X
Potentially explosive area of application (Gas-Ex):	Ex II 1 G
Potentially explosive area of application (Dust Ex):	Ex II 1 D
Type of protection (Gas-Ex):	Ex h IIC T6 Ga
Type of protection (Dust-Ex):	Ex h IIIC T6 Da
Opening angle:	15 mm
Side length:	60 mm
Connection type:	1 pole via M3 eyelet (max 4mm ²)
Stainless steel teeth:	hardened, 2 pieces (mounted on one side)
Material:	Stainless steel 1.4310 (V2A)
Strain relief:	yes

Technical Data

Earthing clamp PROFI-line 114-1



For use in Zone 0 und Zone 20

Earthing clamp PROFI-line 114-1	
Ex approval according to EU type examination certificate:	TPS 19 ATEX 092819 0004 X
Potentially explosive area of application (Gas-Ex):	Ex II 1 G
Potentially explosive area of application (Dust Ex):	Ex II 1 D
Type of protection (Gas-Ex):	Ex h IIC T6 Ga
Type of protection (Dust-Ex):	Ex h IIIC T80°C Da
Opening angle:	15 mm
Side length:	140 mm
Connection type:	1-pole via M4 eyelet (max 4mm²)
Stainless steel teeth:	hardened, 2 pieces (mounted on one side)
Material:	Stainless steel 1.4310 (V2A)
Strain relief:	yes

GENERAL

Technical Data

Earthing clamp PROFI-line 115-1 (oZ / mZ)



For use in Zone 0 und Zone 20

Earthing clamp PROFI-line 115-1

Ex approval according to EU type examination certificate:	TPS 19 ATEX 092819 0004 X
Potentially explosive area of application (Gas-Ex):	Ex II 1 G
Potentially explosive area of application (Dust Ex):	Ex II 1 D
Type of protection (Gas-Ex):	Ex h IIC T6 Ga
Type of protection (Dust-Ex):	Ex h IIIC T80°C Da
Opening angle:	45 mm
Side length:	150 mm
Connection type:	1-pole via M8 eyelet (max 10mm ²)
Stainless steel teeth:	trident (mounted opposite)
Material:	Stainless steel 1.4310 (V2A)
Strain relief: (oZ):	no
Strain relief: (mZ):	yes

GENERAL

Technical Data

Earthing clamp PROFI-line 123-1



For use in Zone 0 und Zone 20

Earthing clamp PROFI-line 123-1

Ex approval according to EU type examination certificate:	TPS 19 ATEX 092819 0004 X
Potentially explosive area of application (Gas-Ex):	Ex II 1 G
Potentially explosive area of application (Dust-Ex):	Ex II 1 D
Type of protection (Gas-Ex):	Ex h IIC T6 Ga
Type of protection (Dust-Ex):	Ex h IIIC T80°C Da
Opening angle:	40 mm
Side length:	230 mm
Connection type:	1-pole via M8 eyelet (max 16mm ²)
Stainless steel teeth:	hardened, 2 pieces (mounted on one side)
Material:	Stainless steel 1.4310 (V2A)
Strain relief:	yes

GENERAL

Technical Data

Earthing clamp PROFI-line 115-KAIMAN (oZ / mZ)



For use in Zone 0 und Zone 20

Earthing clamp PROFI-line 115-KAIMAN

Ex approval according to EU type examination certificate:	TPS 19 ATEX 092819 0004 X
Potentially explosive area of application (Gas-Ex):	Ex II 1 G
Potentially explosive area of application (Dust-Ex):	Ex II 1 D
Type of protection (Gas-Ex):	Ex h IIC T6 Ga
Type of protection (Dust-Ex):	Ex h IIIC T80°C Da
Opening angle:	45 mm
Side length:	150 mm
Connection type:	1-pole via M8 eyelet (max 10mm ²)
Stainless steel teeth:	hardened, 2 pieces (mounted opposite)
Material:	Stainless steel 1.4310 (V2A)
Strain relief (oZ):	no
Strain relief (mZ):	yes

According to DIN EN 80079-36 (2016), the plastic block used cannot be electrostatically charged. (projected area < 400 mm²)

GENERAL

Technical Data

Earthing clamp PROFI-line 115-MINI-KAIMAN



For use in Zone 0 und Zone 20

Erdungsklammer PROFI-line 115-MINI-KAIMAN

Ex approval according to EU type examination certificate:	TPS 19 ATEX 092819 0004 X
Potentially explosive area of application (Gas-Ex):	Ex II 1 G
Potentially explosive area of application (Dust-Ex):	Ex II 1 D
Type of protection (Gas-Ex):	Ex h IIC T6 Ga
Type of protection (Dust-Ex):	Ex h IIIC T80°C Da
Opening angle:	25 mm
Side length:	132 mm
Connection type:	1-pole via M3 eyelet (max 4mm ²)
Stainless steel teeth:	2 pieces (mounted opposite)
Material:	Stainless steel 1.4310 (V2A)
Strain relief:	no

GENERAL

Technical Data

Earthing clamp PROFI-line 120-1



For use in Zone 0 und Zone 20

Earthing clamp PROFI-line 120-1

Ex approval according to EU type examination certificate:	TPS 19 ATEX 092819 0004 X
Potentially explosive area of application (Gas-Ex):	Ex II 1 G
Potentially explosive area of application (Dust-Ex):	Ex II 1 D
Type of protection (Gas-Ex):	Ex h IIC T6 Ga
Type of protection (Dust-Ex):	Ex h IIIC T80°C Da
Opening angle:	20-30 mm
Side length:	150 mm
Connection type:	1-pole via M4 eyelet (max 10mm ²)
Stainless steel teeth:	hardened, 2 pieces (mounted opposite)
Material:	Stainless steel 1.4310 (V2A)
Strain relief:	yes

The built-in plastic hook is conductive according to TRGS 727 section 2 - point (13).
According to DIN EN 80079-36 (2016), the plastic block used cannot be electrostatically charged. (projected area < 400 mm²).

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Technical Daten

Earthing clamp PROFI-line 114-2



For use in Zone 0 und Zone 20

Earthing clamp PROFI-line 114-2

Ex approval according to EU type examination certificate:	TPS 19 ATEX 092819 0004 X
Potentially explosive area of application (Gas-Ex):	Ex II 1 G
Potentially explosive area of application (Dust-Ex):	Ex II 1 D
Type of protection (Gas-Ex):	Ex h IIC T6 Ga
Type of protection (Dust-Ex):	Ex h IIIC T80°C Da
Opening angle:	15 mm
Side length:	140 mm
Connection type:	2-pole via plug connector EVS
Stainless steel teeth:	hardened, 2 pieces (mounted on one side)
Material:	Stainless steel 1.4310 (V2A)
Strain relief:	yes

According to DIN EN 80079-36 (2016), the plastic block used cannot be electrostatically charged. (projected area < 400 mm²)

EB = According to DIN EN 60079-11, the earthing clamps in the intrinsically safe circuit are considered as simple apparatus

GENERAL

Technical Data

Earthing clamp PROFI-line 123-2



For use in Zone 0 und Zone 20

Earthing clamp PROFI-line 123-2

Ex approval according to EU type examination certificate:	TPS 19 ATEX 092819 0004 X
Potentially explosive area of application (Gas-Ex):	Ex II 1 G
Potentially explosive area of application (Dust-Ex):	Ex II 1 D
Type of protection (Gas-Ex):	Ex h IIC T6 Ga
Type of protection (Dust-Ex):	Ex h IIIC T80°C Da
Opening angle:	40 mm
Side length:	230 mm
Connection type:	2-pole via plug connector EVS
Stainless steel teeth:	hardened, 2 pieces (mounted on one side)
Material:	Stainless steel 1.4310 (V2A)
Strain relief:	yes

According to DIN EN 80079-36 (2016), the plastic block used cannot be electrostatically charged. (projected area < 400 mm²)

EB = According to DIN EN 60079-11, the earthing clamps in the intrinsically safe circuit are considered as simple apparatus

GENERAL

Technical Data

Earthing clamp PROFI-line 120-2



For use in Zone 0 und Zone 20

Earthing clamp PROFI-line 120-2

Ex approval according to EU type examination certificate:	TPS 19 ATEX 092819 0004 X
Potentially explosive area of application (Gas-Ex):	Ex II 1 G
Potentially explosive area of application (Dust-Ex):	Ex II 1 D
Type of protection (Gas-Ex):	Ex h IIC T6 Ga
Type of protection (Dust-Ex):	Ex h IIIC T80°C Da
Opening angle:	20-30 mm
Side length:	150 mm
Connection type:	2-pole via plug connector EVS
Stainless steel teeth:	hardened, 2 pieces (mounted on one side)
Material:	Stainless steel 1.4310 (V2A)
Strain relief:	yes

The built-in plastic hook is conductive according to TRGS 727 section 2 - point (13).
According to DIN EN 80079-36 (2016), the plastic block used cannot be electrostatically charged. (projected area < 400 mm²).

EB = According to DIN EN 60079-11, the earthing clamps in the intrinsically safe circuit are considered as simple apparatus

Important notes

The earthing clamps are only intended for the purpose of electrostatic discharge. All other applications cancel the explosion protection. The earthing clamps must be used for the temporary compensating connection in accordance with DIN EN 60079-14.

The earthing clamp must be attached to the object to be earthed before work begins.

The earthing clamp must be manually guided to and from the object to be earthed.

The earthing clamps must be checked regularly for wear of the teeth and replaced if necessary. The grounding teeth may be changed by the user of the grounding clamp himself. Only spare parts from WeSiTec may be used.

The connected earthing cables must also be checked regularly for wear and tear and replaced if necessary.

**Do you have any questions or would you like an individual
consultation?
Talk to us, we are there for you!**



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