

# EARTHING CLAMP

For the connection of Type C FIBC Big Bags

## ECS-RF-FIBC

The Logic ECS-RF-FIBC system is designed to earth **Type C FIBC Big Bags**, dissipating the static electricity generated during the transport of potentially explosive powders and continuously verifying via the **SIL2** electronics that the resistance to earth is always **<10MΩ**.

By using the Logic CLP-FIBC double earthing clamp, equipped with a contact strip that prevents damage to the gripping points, **the system is able to recognise the presence of the big bag** and cannot be bypassed when connected to metal devices.



### TECHNICAL SPECIFICATIONS

<b>Control unit installation area</b>	ECS-RF-DIN: electronics in Safe Area ECS-RF: ATEX Zone 1/21
<b>Temperature range</b>	Control unit in safe area: $-20\text{ °C} \leq T_{\text{amb}} \leq +70\text{ °C}$ Control unit ATEX Zone 1/21: $-20\text{ °C} \leq T_{\text{amb}} \leq +40\text{ °C}$
<b>Standard cable</b>	5 m straight for Ex i applications
<b>Optional cable</b>	5 m coiled for Ex i applications
<b>Power supply</b>	AC version (ECS-RF-DIN): 230Vac, $U_m=253\text{ V}_{\text{rms}}$ DC version (ECS-RF-DIN-DC): 10÷30Vdc, $U_m=30\text{ V}_{\text{dc}} / 253\text{ V}_{\text{dc}}$
<b>Control unit dimensions (L x H x D)</b>	Control unit for safe area (ECS-RF-DIN): 162 x 90 x 65 mm Control unit for ATEX Zone 1/21 (ECS-RF): 195 x 195 x 148 mm

### CLP-FIBC CLAMP SPECIFICATIONS



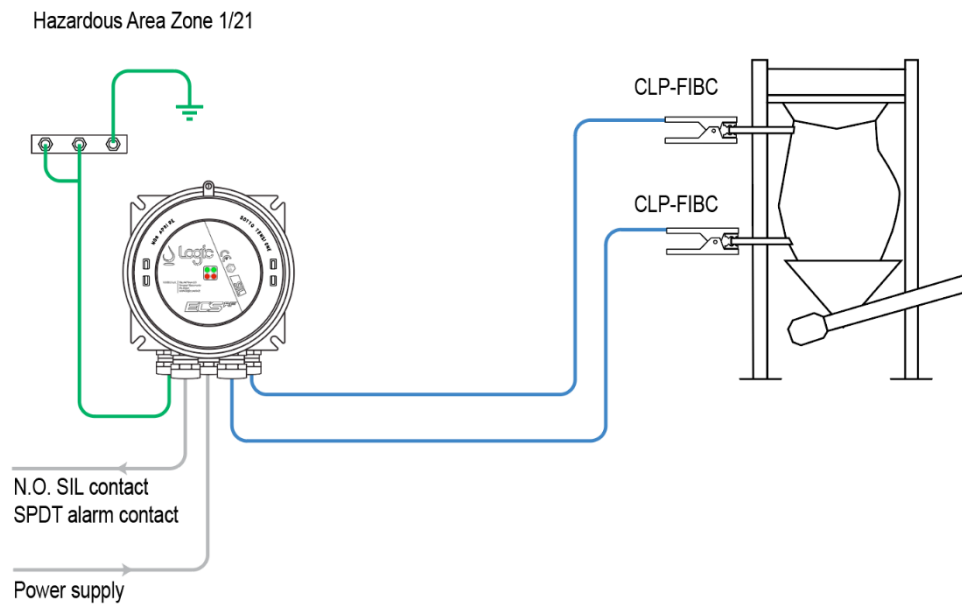
<b>Clamp composition</b>	AISI 304 stainless steel Polyamide isolators
<b>Clamp connection area</b>	ATEX Zone 0/20
<b>Operating temperature</b>	$-20\text{ °C} \leq T_{\text{amb}} \leq +70\text{ °C}$
<b>Dimensions (L x H x D)</b>	50 x 33 x 140 mm
<b>Maximum clamp opening</b>	15 mm

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## Earthing system for FIBC-C big bags (control unit in ATEX Zone 1/21)

1. Electronic control unit in ATEX hazardous area 1/21
2. Straight connection cable from the control unit to the clamps
3. CLP-FIBC double connection clamp



## Earthing system for FIBC-C big bags (control unit in Safe Area)

1. Electronic control unit installed in an electrical panel in a safe area
2. Straight connection cable from the control unit to the clamps
3. CLP-FIBC double connection clamp

