

ECS-RF-FIBC MONITORING SYSTEM

Zones 1, 2, 21, 22

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ATEX EARTHING SYSTEMS

ZONES 1, 2 (gas) & 21, 22 (dust)

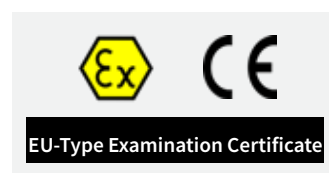
The ECS-RF-FIBC system has been designed for earthing C-type FIBC big-bags, dissipating the static electricity generated during the transport of potentially explosive powders, continuously verifying via SIL2 electronics that the resistance to earth is always < 10MΩ.

By using the CLP-FIBC double earthing clamps, 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.



- 2x CPL-FIBC Earth clamp included

- Stainless steel hook for hanging the 2 clamps included



ITEM REFERENCES

Designation:	SIL:	Spiral cable length:	Item No.:
ECS-RF-2xSP5-2xCLPFC-JB-HK	SIL 2	5m	6D0908

TECHNICAL SPECIFICATIONS

Marking:	II 2(1)G Ex d[ia] IIC T6 Gb (Ga) II 2(1)D Ex d[ia] Ex tb IIIC T85°C	
Certificate:	EU-Type Examination Certificate	
Operating temperature:	-20°C to +40°C	
Clamp input Ex i:	U ₀ =7.2V, I ₀ =345mA, P ₀ =621mW, Co(IIC)=13.5μF, Lo(IIC)=149μH, Lo/R ₀ =860 μH/Ω	
Output LED Ex i:	U ₀ =7.2V, I ₀ =23mA, P ₀ =42mW, Co(IIC)=13.5μF, Lo(IIC)=34μH, Lo/R ₀ =860 μH/Ω	
Power supply:	230 VAC, U _m =253V _{rms}	
Standard cable:	6-wire spiral cable, according to IEC 60332-1-2	
R threshold:	10 Ω	
Dimensions monitoring system:	195 x 195 x 148 mm	
Potential free contact:	COM/NC/NO	
Cable entries:	5xM20x1,5 1 - Grounding clamp 2 - Grounding clamp	3 - Grounding cable 4 - Power cable 5 - Potential free contact cable (if not used, install the plug provided)
Clamp material:	Stainless steel AISI 304.	
Clamp dimensions:	50x33x140mm	
Maximum clamp opening:	15mm	
Clamp operating temperature:	-20°C to +70°C	

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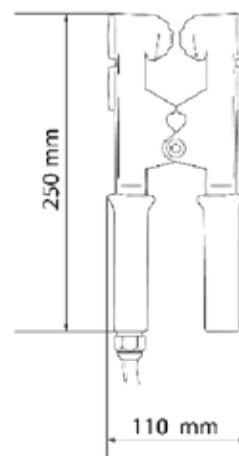
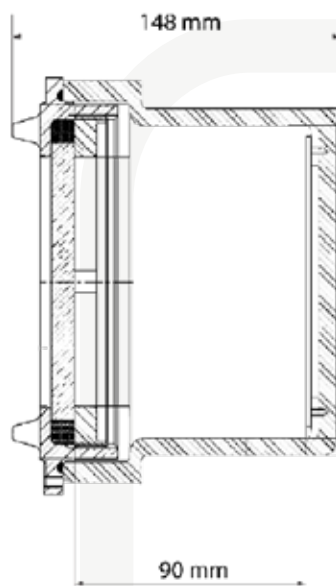
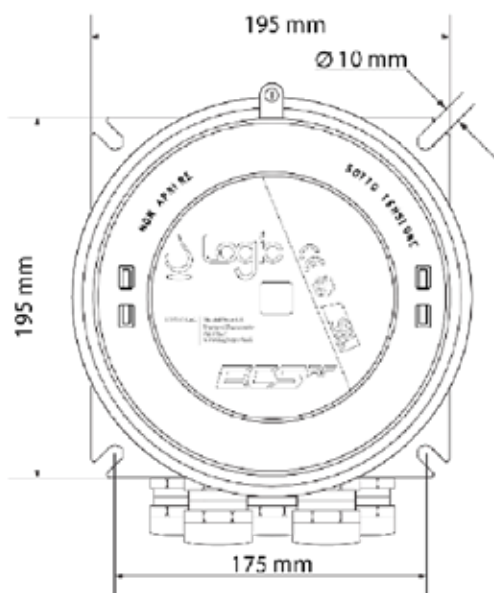
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CONTROL & CONNECTION EQUIPMENT



Hazardous Area Zone 1/21

