

ECS-RF-CR20 MONITORING SYSTEM

Zones 1, 2, 21, 22

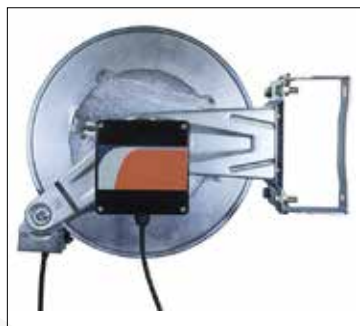
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ATEX EARTHING SYSTEMS

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

ECS-RF series electronic equipment provides earth connection of process equipment (road tankers, drums, IBCs, etc..) with real-time ground connection monitoring. The system monitors that connection to earth is obtained with a resistance lower than 10Ω, according to the ATEX Directive 2014/34/EU.

The device can be equipped with two Ex i outputs for remote LEDs installed directly on the clamp (consensus green LED and non consensus red LED).



- Compact and rugged Ex-d enclosure suitable for ATEX Zone 1/21 installation

- Equipped with high efficiency redundant green and red LEDs for connection monitoring

- This version includes the CR-20 reel with 20m cable



EU-Type Examination Certificate

ITEM REFERENCES

Designation:	SIL:	Reel cable length:	Item No.:
ECS-RF-CR20-IS1S-HK	SIL 2	20m	6D0907

TECHNICAL SPECIFICATIONS

	Earthing monitoring system:	Cable reel:
Marking:	II 2(1)G Ex d[ia] IIC T6 Gb (Ga) II 2(1)D Ex d[ia] Ex tb IIIC T85°C	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/Ro=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/Ro=860 μH/Ω	
Power supply:	230 VAC ± 5%	
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 cable	3 - Redundancy ground wire 4 - Power cable 5 - Potential free contact cable (if not used, install the plug provided)
Cable reel:	Stainless steel	