

ECS-RF MONITORING SYSTEM

Zones 1, 2, 21, 22

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ATEX EARTHING SYSTEMS

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

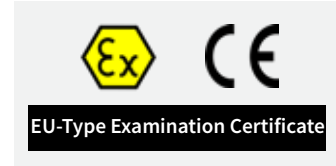


ECS-RF series electronic equipment provides earth connection of process equipment (road tankers, drums, IBCs, etc..) with real-time ground connection monitoring. The system monitors that connection to earth is obtained with a resistance lower than 10Ω , according to the ATEX Directive 2014/34/EU.

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



ITEM REFERENCES

Designation:	SIL:	Spiral cable length:	Weight:	Item No.:
ECS-RF-SP5-IS1L-HK01	SIL 2	5 m	Approx. 6 kg	6D0902

TECHNICAL SPECIFICATIONS

Marking:	 	
Certificate:	EU-Type Examination Certificate	
Operating temperature:	-20°C to +55°C	
Clamp input Ex i:	$U_0=7.2V$, $I_0=345mA$, $P_0=621mW$, $C_0(IIC)=13.5\mu F$, $L_0(IIC)=149\mu H$, $L_0/R_0=860 \mu H/\Omega$	
Output LED Ex i:	$U_0=7.2V$, $I_0=23mA$, $P_0=42mW$, $C_0(IIC)=13.5\mu F$, $L_0(IIC)=34\mu H$, $L_0/R_0=860 \mu H/\Omega$	
Power supply:	230 VAC \pm 5%	
Standard cable:	6-wire spiral cable, according to IEC 60332-1-2	
R threshold:	10 Ω	
Dimensions:	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)

