EXPLOSION PREVENTION

Cobra B-CMS1 EARTHING CLAMP

General data sheet

Application

The Cobra CMS1 stainless steel earthing clamp is designed to provide an effective, low-resistance connection between movable objects and earth to safely dissipate any static electricity.

The Cobra CMS1 earthing clamp is spring-loaded and equipped with hardened, sharp teeth. When the clamp is applied to the object, the teeth immediately penetrate paint, rust or dirt, resulting in a connection resistance of less than 10 Ohm according to IEC/TS60079-32-1:2013/A1:2017. Its robust design, integrated strain relief and high-quality material make the clamp ideal for use in harsh working conditions and in (petro)chemical, off-shore and other process industries.





Benefits

Specially developed for use with Cobra earthing systems, the CMS1 earthing clamp offers the following advantages:

- Shaped, robust and ergonomic design
- Sharp, hardened teeth with optimal “biting power”
- Equipped with integrated strain relief
- Suitable for use in all weather conditions
- Suitable for use in chemical or saline environments
- Suitable for use in ATEX environment
- According to IEC/TS60079-32-1



Assembly options

The Cobra CMS1 earthing clamp is usually supplied as part of a StuvEx Cobra earthing or bonding system, with or without connector.

Cobra B-CMS1 EARTHING CLAMP
Technical data sheet

Application

The Cobra CMS1 stainless steel earthing clamp is designed to provide an effective, low-resistance connection between movable objects and earth to safely dissipate any static electricity.

The CMS1 earthing clamp is usually supplied as part of a StuvEx Cobra earthing or bonding system, in combination with a spiral cable or cable reel and fitted with an ATEX approved connector. A Cobra CMS1 earthing clamp can also be ordered without a connector, for self-assembly.

General characteristics

Material version	
Clamp	Stainless steel 1.4401 (AISI 316)
Hinge	Stainless steel 1.4301 (AISI 304)
Jaws	Stainless steel 1.4112 (AISI 440B), hardened
Size	210 mm
Weight	0,55 kg
Jaw opening	
Min	3 mm
Max	30 mm
Temperature range	-40°C to +80°C
Protection category	IP67
ATEX information	
Zones	Suitable for use in zones 1, 2, 21 and 22
Technical	Simple apparatus, Ci <250 pF, Li <2,5 µH

Accessories

Cable	ÖLFLEX ROBOT 900 P 3G1
Outer insulation	PUR black
Length	0,2 m
Connection length	0,1 m
Min. bending radius	0,1 m
Characteristics	Water, oil, UV and ozone resistant
Connector	M, in PA6.6, blue

Cobra B-CMS1 EARTHING CLAMP
Technical data sheet

Parts and ordering information

Article reference	Description
503-1210-003	CBR/B-**CMS1-N**, earthing clamp excluding connector
503-1230-003	CBR/B-**CMS1-SCM**, earthing clamp with M connector
503-5900-100	CBR/B-**LD10SCF**, 10 m flat cable with F connector
503-5910-030	CBR/B-**SP1-HD3SCF**, 3 m spiral cable blue with F connector
503-5910-050	CBR/B-**SP1-HD5SCF**, 5 m spiral cable blue with F connector
503-5910-100	CBR/B-**SP1-HD10SCF**, 10 m spiral cable blue with F connector
503-9910-030	CBR/B-**SP1-HD3N**, 3 m spiral cable blue excluding connector
503-9910-050	CBR/B-**SP1-HD5N**, 5 m spiral cable blue excluding connector
503-9910-100	CBR/B-**SP1-HD10N**, 10 m spiral cable blue excluding connector
503-3250-000	CBR/E-**CR1/65-15N**, cable reel with 15 m cable
503-3250-010	CBR/E-**CR1/65-15SCF**, cable reel with 15 m cable and F connector
503-1500-000	CBR/A-**CONSET**, connector set (M+F)
503-0900-003	CBR/A-**CST1**, clamp station
503-0900-103	CBR/A-**CHO1**, clamp hook

Cobra GROUNDING SYSTEMS

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Cobra

GROUNDING SYSTEMS



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