

EU Declaration of conformity

Manufacturer: Cavotec Micro-control AS
(Name/address) Gevinglia 112
N-7517 Hell
Norway

Type of equipment: Industrial radio remote control for use in potentially explosive area

Type designation: MC-3200 EX Group I, Category M1 equipment
MC-3300 EX Group II, Category 2G equipment
MC-3-5 EX
MC-3-6 EX

Manufacturer declares under our sole responsibility compliance to the

- Radio Equipment Directive 2014/53/EU
- Machinery directive 2006/42/EC
- ATEX Directive 2014/34/EU

By application of the following harmonized standards:

Complies to	Comments	Regarding
ETSI EN 300 220-2 v2.4.1	Receiver category 1	RED
ETSI EN 301 489-3 v1.6.1	Specific conditions for short range devices	EMC
EN 61000-6-2:2005	Immunity for industrial environments	
EN ISO 13849-1:2015	I/O function Category B PL b *) Stop function Category 3 PL d *)	Safety level is delivered according to the specified safety level in the customer order specification
EN 60204-1:2005	Safety of machinery - Electrical equipment of machines Part 1: General requirements	Machinery directive
EN 60204-32:2008	Safety of machinery - Electrical equipment of machines **) Part 32: Requirements for hoisting machines	
EN 13557:2003 + A2:2008	Cranes — Controls and control stations **) Stop function Category 3 PL d	
EN 60079-0:2012/A11:2013	General requirements for EX-equipment	
EN 60079-11:2012	Requirement for intrinsically safe EX-equipment, Ex "ia"	ATEX directive
EN 50303:2000	Group I, Category M1 equipment	

Note:

If some of the revisions of the standards are different than stated in the certificate, then the product is evaluated to conform to the new revision of the standard.

Additional information to the ATEX Directive

The produced products (except for cat.3 equipment) are in accordance with the product for which an EU-type examination certificate *Presafe 17ATEX10725* and *Presafe 17ATEX10727* has been obtained from DNV GL Nemko Presafe AS (Notified Body 2460). Product assessment is done yearly by NEMKO (Notified Body 0470) according to ATEX-directive Annex IV. Cat.3 equipment is based upon EN 60079-11 (ia) and is marked as follows: EX II 3 G, Ex ic IIB T4 Gc Ta: -30°C to +60°C.

Notes:

- *) Given that the requirements in MAN-07-007 are fulfilled by customer
- **) Compliance is provided that the customer's specifications related to functionality of the crane, marking of controls and layout are in accordance to the standard.

Information regarding the machinery directive

MC-3 series EX are often used to control machinery, and consequently have to follow the provisions of the Machinery Directive. MC-3 series EX is designed to provide a safe and reliable control of a machine, but to ensure that all requirements in the Machinery Directive are fulfilled the customer must specify his needs from a risk assessment at the machine.

Pål Solem
(EX manager)

Hell
.....
(Place)

2019-03-11
.....
(Date of issue)

Pål Solem
.....
(Name and signature of authorized person)

