



Explosion Proof Wire Rope Hoist



EX-CV SERIES



EXPLOSION PROOF WIRE ROPE HOIST

THAC offers **Explosion-Proof Wire Rope Hoist** to meet all the requirements of ATEX 94/9/EC directive. They are extremely reliable and have a long-than-average service life for hazardous atmospheres in chemical and petrochemical facotry, gas power plants, oil refineries, waste water treatment plants, panit shops etc.

Classification of Hazardous Areas

According to the new directive, equipment is classified into five categories, base on the level of risk in the intended area of use.

| Classification | Category of equipment | Inflammable Substances | Presence of Explosive atmosphere | Comparison with previous practice and IEC |
|-----------------------|-----------------------|--------------------------|--|---|
| Group I (mines) | M1 | Methane, Dust | Functional with explosive atmosphere present | Group I |
| | M2 | Methane, Dust | De-energised when explosive atmosphere present | Group I |
| Group II (surface) | 1 | Gas, vapours, Mist, dust | Constant or for long periods | Group II Zone 0(gas) Zone 20(dust) |
| | 2 | Gas, vapours, Mist, dust | Probable during normal operation(occasional) | Group II Zone 1(gas) Zone 21(dust) |
| | 3 | Gas, vapours, Mist, dust | Rarely or for short periods | Group II Zone 2(gas) Zone 22(dust) |

Groups

Electrical equipment are divided into two groups where Group I covers equipment used in mines and Group II covers all other applications in above ground installation.

Gas divisions or zones

The zone defines the probability of hazardous material being present in an ignitable concentration in the surrounding atmosphere.

- Zone 0: area in which an explosive gas atmosphere is present continuously or for long periods.
- Zone 1: area in which an explosive gas atmosphere is likely to occur in normal operation.
- Zone 2: area in which an explosive gas atmosphere it is not likely to occur in normal operation and, if it does occur, is likely to do so only infrequently and will exist for a short period only.

Dust zones

Flammable dusts when suspended in air can explode.

The zone definitions are:

- Zone 20: A place in which an explosive atmosphere in the form of a cloud of combustible dust in air is present continuously, or for long periods or frequently.
- Zone 21: A place in which an explosive atmosphere in the form of a cloud of combustible dust in air is likely to occur, occasionally, in normal operation.
- Zone 22: A place in which an explosive atmosphere in the form of a cloud of combustible dust in air is not likely to occur in normal operation but, if it does occur, will persist for a short period only



EXPLOSION PROOF WIRE ROPE HOIST

Protection Types

Protection Types are used to denote the level of safety for the device. Equipment approved receives a temperature code indicating the maximum surface temperature of the equipment.

Different protection techniques are used to address the hazardous zones.

|  | | Zone |
|---|--|-------------|
| Ex d | Flameproof (Explosion proof) Enclosure | 1,2 |
| Ex e | Increased Safety | 1,2 |
| Ex ia | Intrinsically Safe | 0,1,2 |
| Ex ib | Intrinsically Safe | 1,2 |
| Ex o | Oil Immersion | 2 |
| Ex p | Pressurized Apparatus (Purged Apparatus) | 1,2 |
| Ex q | Powder Filling (Sand Filling) | 2 |
| Ex m | Encapsulation | 1,2 |
| Ex n or Ex N | Non incentive or/and normally no sparking circuits | 2 |

EXPLOSION PROOF WIRE ROPE HOIST

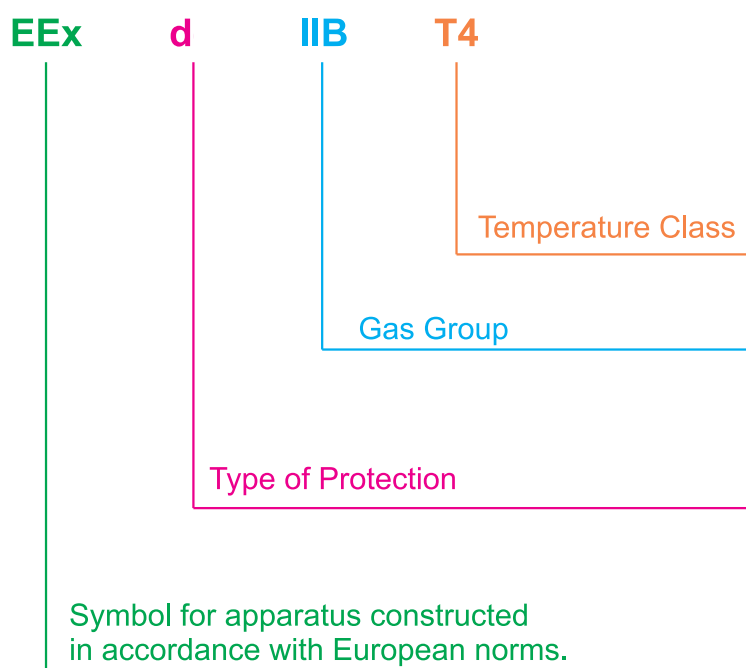
Gas Groups and Temperature Classes

Also the nature of the hazard needs to be identified. The gas group and temperature class are selected according to the amount of energy required to ignite the gas and ignition temperature.

Examples of gas groups and temperature classes.

| Gas | | Temperature Class | | | | |
|-------|---|--|---|----------------|-------------------|---------------|
| Group | T1(above 450°C) | T2(300°~450°C) | T3(200°~300°C) | T4(135°~200°C) | T5(100°~135°C) | T6(85°~100°C) |
| IIB | Acetone Acetic acid Ammonia Ethane Ethyl acetate Methane Methanol Propane Toluene | Amyl acetate Butane Butyl acetate Ethanol | Hexane Kerosene Naphtha Petrol | Acetaldehyde | | |
| IIB | Town gas Carbon monoxide | Ethylene Ethylene oxide | | Ethyl ether | | |
| IIC | Hydrogen | Acetylene | | | Carbon disulphide | |

Explosion Proof Classification



Our Explosion-Proof Hoists apply for Group 2 Zone 1 & 2 hazardous areas worldwide and meet the requirements of EEx d IIB T4 as standard, EEx d IIC T4 upon request.

EEx d is our standard
EEx de is optional

1 HOISTING MOTOR

Motors are classified according to the potentially explosive atmospheres which are present at the place of installation. The rotor brake motors are 3-phase AC squirrel-cage induction motors. The hoist motor are 2/12 poles, the travel motors 2/8 pole. Type of Protection IP66, 40% ED, F class insulation. Thermally protected with dual metal protectors as standard.



2 FLAMEPROOF BRAKE

Our brakes meet the requirement of ATEX Directive ATEX 94/9/CE-ATEX 95, Group II 2GD category, in compliance with the norms norme EN 60079-0:2006, EN60079-1:2004, EN61241-0:2006 and EN61241-0:2004. VIS brake are certificate INERIS 06 ATEX 0047/01

3 LIMIT SWITCH

Compliant with IEC Standard, our explosion-proof limit switches are electro-mechanical devices that consist of an actuator mechanically linked to a set of contacts. When an object comes into contact with the actuator, the device operate the contacts to make or break an electrical connection.



4 TROLLEY WHEELS

The standard wheels on EX trolley meet ATEX requirements. For off-standard applications or if the customers particularly requests for non-sparking area, brass wheels can be provided.



5 BOTTOM BLOCK AND HOOK

The 360 swiveling hook is made of high-strength and high resistance forged steel and is fitted swiveling crossbar. The elegant bottom blocks are equipped with protective edging around the rope opening and are provided with an anti-drop safety latch. Bronze-coated bottom block or load hook on requests to reduce the possibility of sparking in the event the hook strikes steel or other ferrous metal objects.



6 ROPE DRUM & ROPE

The rope drum is designed for high safety and long service life. Fine machining of the drum grooves minimises wear on the rope. Apply the high strength galvanised steel wire rope complying with safety rules.

7 CONTROL PANEL

Explosion-proof control panels are designed to reduce or eliminate the risk of explosion in hazardous environment. Body and ribbed lid are in copper-free aluminium alloy. Neoprene seals to prevent an explosive amounts of hazardous dust.



8 PUSH BUTTON SWITCH (IP65) with EMS

Certificated ATEX II 2 GD, our push button switch is suitable for all kind of industry where an explosive atmosphere may be present. According to IEC 60529, the advanced features of water-proof and dust-prevented meet IP65 standard. With the benefits of ergonomic design, prompt action and simple operation, users make quick and good performance on movement.

9 OVERLOAD PROTECTION

Mechanical overload protection cuts off the power of motor to prevent object lifting in case of excessive over loading.





Specification

EXPLOSION PROOF WIRE ROPE HOIST



50HZ

| MODEL | Cap (ton) | Lift (m) | Duty (ISO) | Lift Speed (M/Min) | Hoist Motor (KW) | Trolley Speed (M/Min) | Trolley Motor | Rail | | Rope | |
|---------------------|--------------|----------|---------------|---------------------------|------------------------|---------------------------|------------------|------|---|-------|----------|
| | | | | | | | | V | W | Fall | Dia.(mm) |
| EX-CV03C5A050D-V18D | 3 | 6 | M5 | 0.8 / 5 | 0.53 / 3.2 | 4.5 / 18 | 0.75 | v | v | 4 / 1 | 8 |
| EX-CV03C5B050D-V18D | | 9 | | | | | | v | v | | |
| EX-CV03C5C050D-V18D | | 12 | | | | | | v | v | | |
| EX-CV03B5A050D-V18D | | 6 | M5 | 0.8 / 5 | 0.53 / 3.2 | | | v | v | 4 / 2 | 8 |
| EX-CV03B5B050D-V18D | | 9 | | | | | | v | v | | |
| EX-CV03B5C050D-V18D | | 12 | | | | | | v | v | | |
| EX-CV03A5A050D-V18D | | 6 | M5 | 0.8 / 5 | 0.53 / 3.2 | | | v | v | 2 / 1 | 11.2 |
| EX-CV03A5B050D-V18D | | 9 | | | | | | v | v | | |
| EX-CV03A5C050D-V18D | | 12 | | | | | | v | v | | |
| EX-CV05C5A050D-V18D | 5 | 6 | M5 | 0.8 / 5 | 0.8 / 4.9 | 4.5/18 | 0.75 | v | v | 4 / 1 | 11.2 |
| EX-CV05C5B050D-V18D | | 9 | | | | | | v | v | | |
| EX-CV05C5C050D-V18D | | 12 | | | | | | v | v | | |
| EX-CV05B5A050D-V18D | | 6 | M5 | 0.8 / 5 | 0.8 / 4.9 | | | v | v | 4 / 2 | 11.2 |
| EX-CV05B5B050D-V18D | | 9 | | | | | | v | v | | |
| EX-CV05B5C050D-V18D | | 12 | | | | | | v | v | | |
| EX-CV05A5A050D-V18D | | 6 | M5 | 0.8 / 5 | 0.8 / 4.9 | | | v | v | 2 / 1 | 14 |
| EX-CV05A5B050D-V18D | | 9 | | | | | | v | v | | |
| EX-CV05A5C050D-V18D | | 12 | | | | | | v | v | | |
| EX-CV05A5A099D-V18D | | 6 | M5 | 1.65 / 9.9 | 1.6 / 9.8 | | | v | v | 2 / 1 | 14 |
| EX-CV05A5B099D-V18D | | 9 | | | | | | v | v | | |
| EX-CV05A5C099D-V18D | | 12 | | | | | | v | v | | |
| EX-CV05B5A099D-V18D | | 6 | M5 | 1.65 / 9.9 | 1.6 / 9.8 | | | v | v | 4 / 2 | 11.2 |
| EX-CV05B5B099D-V18D | | 9 | | | | | | v | v | | |
| EX-CV05B5C099D-V18D | | 12 | | | | | | v | v | | |
| EX-CV07D4A017D-V18D | 7.5 | 6 | M4 | 0.28 / 1.7 | 0.53 / 3.2 | 4.5 / 18 | 0.75 | v | v | 6 / 1 | 11.2 |
| EX-CV07D4B017D-V18D | | 9 | | | | | | v | v | | |
| EX-CV07D4C017D-V18D | | 12 | | | | | | v | v | | |
| EX-CV07D4A033D-V18D | | 6 | M4 | 0.55 / 3.3 | 0.8 / 4.9 | | | v | v | 6 / 1 | 11.2 |
| EX-CV07D4B033D-V18D | | 9 | | | | | | v | v | | |
| EX-CV07D4C033D-V18D | | 12 | | | | | | v | v | | |
| EX-CV10C5A050D-V18D | 10 | 6 | M5 | 0.8 / 5 | 1.6 / 9.8 | 4.5 / 18 | 1.5 | v | v | 4 / 1 | 14 |
| EX-CV10C5B050D-V18D | | 9 | | | | | | v | v | | |
| EX-CV10C5C050D-V18D | | 12 | | | | | | v | v | | |
| EX-CV10B5A050D-V18D | | 6 | M5 | 0.8 / 5 | 1.6 / 9.8 | | | v | v | 4 / 2 | 14 |
| EX-CV10B5B050D-V18D | | 9 | | | | | | v | v | | |
| EX-CV10B5C050D-V18D | | 12 | | | | | | v | v | | |
| EX-CV10C5A025D-V18D | | 6 | M5 | 0.42 / 2.5 | 0.8 / 4.9 | | | v | v | 4 / 1 | 14 |
| EX-CV10C5B025D-V18D | | 9 | | | | | | v | v | | |
| EX-CV10C5C025D-V18D | | 12 | | | | | | v | v | | |
| EX-CV15D4A017D-V18D | 15 | 6 | M4 | 0.28 / 1.7 | 0.8 / 4.9 | 4.5 / 18 | 1.5 | v | v | 6 / 1 | 14 |
| EX-CV15D4B017D-V18D | | 9 | | | | | | v | v | | |
| EX-CV15D4C017D-V18D | | 12 | | | | | | v | v | | |
| EX-CV15D4A033D-V18D | | 6 | M4 | 0.55 / 3.3 | 1.6 / 9.8 | | | v | v | 6 / 1 | 14 |
| EX-CV15D4B033D-V18D | | 9 | | | | | | v | v | | |
| EX-CV15D4C033D-V18D | | 12 | | | | | | v | v | | |
| EX-CV20F4A023D-V18D | 20 | 6 | M4 | 0.38 / 2.3 | 1.6 / 9.8 | 4.5 / 18 | 1.5 | v | v | 8 / 1 | 14 |
| EX-CV20F4B023D-V18D | | 9 | | | | | | v | v | | |
| EX-CV20F4C023D-V18D | | 12 | | | | | | v | v | | |
| EX-CV20G4A025D-V18D | | 6 | M4 | 0.42 / 2.5 | 1.6 / 9.8 | | | v | v | 8 / 2 | 14 |
| EX-CV20G4B025D-V18D | | 9 | | | | | | v | v | | |
| EX-CV20G4C025D-V18D | | 12 | | | | | | v | v | | |

Specification EXPLOSION PROOF WIRE ROPE HOIST



60HZ

| MODEL | Cap (ton) | Lift (m) | Duty (ISO) | Lift Speed (M/Min) | Hoist Motor (KW) | Trolley Speed (M/Min) | Trolley Motor | Rail | | Rope | | | |
|---------------------|--------------|----------|---------------|---------------------------|------------------------|---------------------------|------------------|--------|-----|-------|----------|-------|------|
| | | | | | | | | V | W | Fall | Dia.(mm) | | |
| EX-CV03C5A060D-V20D | 3 | 6 | M5 | 1 / 6 | 0.64 / 3.84 | 5 / 20 | 0.9 | v | v | 4 / 1 | 8 | | |
| EX-CV03C5B060D-V20D | | 9 | | | | | | v | v | | | | |
| EX-CV03C5C060D-V20D | | 12 | | | | | | v | v | | | | |
| EX-CV03B5A060D-V20D | | 6 | M5 | 1 / 6 | 0.64 / 3.84 | | | 5 / 20 | 0.9 | v | v | 4 / 2 | 8 |
| EX-CV03B5B060D-V20D | | 9 | | | | | | | | v | v | | |
| EX-CV03B5C060D-V20D | | 12 | | | | | | | | v | v | | |
| EX-CV03A5A060D-V20D | | 6 | M5 | 1 / 6 | 0.64 / 3.84 | | | 5 / 20 | 0.9 | v | v | 2 / 1 | 11.2 |
| EX-CV03A5B060D-V20D | | 9 | | | | | | | | v | v | | |
| EX-CV03A5C060D-V20D | | 12 | | | | | | | | v | v | | |
| EX-CV05C5A060D-V20D | 5 | 6 | M5 | 1 / 6 | 0.96 / 5.88 | 5 / 20 | 0.9 | v | v | 4 / 1 | 11.2 | | |
| EX-CV05C5B060D-V20D | | 9 | | | | | | v | v | | | | |
| EX-CV05C5C060D-V20D | | 12 | | | | | | v | v | | | | |
| EX-CV05B5A060D-V20D | | 6 | M5 | 1 / 6 | 0.96 / 5.88 | | | 5 / 20 | 0.9 | v | v | 4 / 2 | 11.2 |
| EX-CV05B5B060D-V20D | | 9 | | | | | | | | v | v | | |
| EX-CV05B5C060D-V20D | | 12 | | | | | | | | v | v | | |
| EX-CV05A5A060D-V20D | | 6 | M5 | 1 / 6 | 0.96 / 5.88 | | | 5 / 20 | 0.9 | v | v | 2 / 1 | 14 |
| EX-CV05A5B060D-V20D | | 9 | | | | | | | | v | v | | |
| EX-CV05A5C060D-V20D | | 12 | | | | | | | | v | v | | |
| EX-CV05A5A118D-V20D | | 6 | M5 | 1.98 / 11.88 | 1.92/11.76 | | | 5 / 20 | 0.9 | v | v | 2 / 1 | 14 |
| EX-CV05A5B118D-V20D | | 9 | | | | | | | | v | v | | |
| EX-CV05A5C118D-V20D | | 12 | | | | | | | | v | v | | |
| EX-CV05B5A118D-V20D | | 6 | M5 | 1.98 / 11.88 | 1.92/11.76 | | | 5 / 20 | 0.9 | v | v | 4 / 2 | 11.2 |
| EX-CV05B5B118D-V20D | | 9 | | | | | | | | v | v | | |
| EX-CV05B5C118D-V20D | | 12 | | | | | | | | v | v | | |
| EX-CV07D4A020D-V20D | 7.5 | 6 | M4 | 0.336 / 2.04 | 0.48 / 3.84 | 5 / 20 | 0.9 | v | v | 6 / 1 | 11.2 | | |
| EX-CV07D4B020D-V20D | | 9 | | | | | | v | v | | | | |
| EX-CV07D4C020D-V20D | | 12 | | | | | | v | v | | | | |
| EX-CV07D4A039D-V20D | | 6 | M4 | 0.66 / 3.96 | 0.96 / 5.88 | | | 5 / 20 | 0.9 | v | v | 6 / 1 | 11.2 |
| EX-CV07D4B039D-V20D | | 9 | | | | | | | | v | v | | |
| EX-CV07D4C039D-V20D | | 12 | | | | | | | | v | v | | |
| EX-CV10C5A060D-V20D | 10 | 6 | M5 | 1 / 6 | 1.92/11.76 | 5 / 20 | 1.8 | v | v | 4 / 1 | 14 | | |
| EX-CV10C5B060D-V20D | | 9 | | | | | | v | v | | | | |
| EX-CV10C5C060D-V20D | | 12 | | | | | | v | v | | | | |
| EX-CV10B5A060D-V20D | | 6 | M5 | 1 / 6 | 1.92/11.76 | | | 5 / 20 | 1.8 | v | v | 4 / 2 | 14 |
| EX-CV10B5B060D-V20D | | 9 | | | | | | | | v | v | | |
| EX-CV10B5C060D-V20D | | 12 | | | | | | | | v | v | | |
| EX-CV10C5A030D-V20D | | 6 | M5 | 0.504 / 3 | 0.96 / 5.88 | | | 5 / 20 | 1.8 | v | v | 4 / 1 | 14 |
| EX-CV10C5B030D-V20D | | 9 | | | | | | | | v | v | | |
| EX-CV10C5C030D-V20D | | 12 | | | | | | | | v | v | | |
| EX-CV15D4A020D-V20D | 15 | 6 | M4 | 0.336 / 2.04 | 0.96 / 5.88 | 5 / 20 | 1.8 | v | v | 6 / 1 | 14 | | |
| EX-CV15D4B020D-V20D | | 9 | | | | | | v | v | | | | |
| EX-CV15D4C020D-V20D | | 12 | | | | | | v | v | | | | |
| EX-CV15D4A039D-V20D | | 6 | M4 | 0.66 / 3.96 | 1.92/11.76 | | | 5 / 20 | 1.8 | v | v | 6 / 1 | 14 |
| EX-CV15D4B039D-V20D | | 9 | | | | | | | | v | v | | |
| EX-CV15D4C039D-V20D | | 12 | | | | | | | | v | v | | |
| EX-CV20F4A028D-V20D | 20 | 6 | M4 | 0.45 / 2.8 | 1.92/11.76 | 5 / 20 | 1.8 | v | v | 8 / 1 | 14 | | |
| EX-CV20F4B028D-V20D | | 9 | | | | | | v | v | | | | |
| EX-CV20F4C028D-V20D | | 12 | | | | | | v | v | | | | |
| EX-CV20G4A030D-V20D | | 6 | M4 | 0.504 / 3 | 1.92/11.76 | | | 5 / 20 | 1.8 | v | v | 8 / 2 | 14 |
| EX-CV20G4B030D-V20D | | 9 | | | | | | | | v | v | | |
| EX-CV20G4C030D-V20D | | 12 | | | | | | | | v | v | | |



Certification

EXPLOSION PROOF WIRE ROPE HOIST

IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres

Certificate No: IECEx 11:0037X Issue No: 0 Certificate history

Status: Current

Date of issue: 2012-02-24

Applicant: COEL MOTORI S.r.l.
Via Cavour, 40
I-20090 Pizzanasco di Pieve Emanuele (MI)
Italy

Electrical Apparatus: Electromagnetic brake type VIS II...

Optional accessory:

Type of Protection: d and Ib

Marking: Ex d IB or IIC T5, T4 or T3 Gb
Ex d IB
Ex Ib IIC T102°C, T135°C or T200°C Gb IP66

Approved for issue on behalf of the IECEx: Thierry HOUXIE

Certification Body: INERIS

Position: Ex Certification Officer

Signature (for printed version): *Thierry HOUXIE*

Date: 2012-02-27

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Certificate issued by: INERIS
Institut National de l'Environnement Industriel et des Risques
BP 1015
Parc Technologique ALATA
F-95500 Villemaire-sur-Artois
France

INERIS

IECEx Certificate of Conformity CESI

Annex to certificate: IECEx CES 10.0023X Issue No 0 of 2011-03-15

Applicant: Euromotori S.r.l.
Via Cavour s.n.c., I-20946 Macherio (MB) - Italy

Electrical Apparatus: Three-phase and single-phase asynchronous motors supplied by mains or inverter, series MAK 56, MAK 63, MAK 71, MAK 80, MAK 90, MAK 100, MAK 112, MAK 132, MAK 160

Description of equipment: Three-phase and single-phase asynchronous motors series MAK 56, MAK 63, MAK 71, MAK 80, MAK 90, MAK 100, MAK 112, MAK 132 and MAK 160 supplied by mains or by frequency converter.

The motors are all made of grey cast iron with motor enclosure directly communicating with the terminal box.

The criteria for identification of types of the three-phase and single-phase asynchronous motors series MAK 56, MAK 63, MAK 71, MAK 80, MAK 90, MAK 100, MAK 112, MAK 132 and MAK 160 are defined as follows:

- motor type MAK 56-63-71-80-90-100-112-132-160 from 2 to 8 poles: three-phase motor, centre height 56-63-71-80-90-100-112-132-160 at 2, 4, 6, 8 poles;
- motor type MAK 63-71-80-90-100-112-132-160 from 2 to 6 poles: single-phase motor, centre height 56-63-71-80-90-100-112-132-160 at 2, 4, 6, 8 poles.

*VV in case of motor without fan

The complete identification of all type of three-phase and single-phase asynchronous motors is detailed in the manufacturer documentation.

The motors can be equipped with auxiliary devices (heaters, thermal detectors, etc.).

Electrical characteristics

Main supply:

- Maximum voltage: 1000 V (three-phase)
- 250 V (single-phase)
- Maximum rated power: 0.25 - 37 kW
- Rated frequency: 50 / 60 Hz
- Insulation class: F (0. F for T3 and T155 °C)
- with 1 B for T6, T8, T4 and T85 °C, T100 °C, T125 °C

Duty: S1 - S8

- Rated speed: 250 - 3000 rpm
- Degree of protection: IP 68 (IEC 60334-5 and IEC 60529)
- Ambient temperature range: -20 °C to +60 °C; +45 °C; ... and +80 °C

CESI - Centro Elettrotecnico Sperimentale Italiano SpA, I - 20134 Milano - Italia

CESI

EXTENSION n. 04/07

to EC-Type Examination Certificate CEST 0047130360

Component: Empty enclosures series CCE... and EIR... for control and signalling equipment

Manufacturer: COITEM S.p.A.

Address: Via Aquilina, 16 - Villume (Cremona), Italy

Admitted Variation:

- Conformity to EN 60959-2 (2006), EN 60959-1 (2004), EN 61341-2 (2006), EN 61341-1 (2004) Standards
- Update of description
- Extending IIS + II
- Extension I M2, P4, d 1 (series EIRX in module dnc)
- Add new feature
- EIR 55, IIB, S10
- EIR 57 (only for stainless steel material)
- Modification of the ambient temperature range and the service temperature range

Identification and description of the component

The marking of the equipment shall include the following:

- II 2G Ex d IIB
- II 2G Ex d IIB H₂
- II 2G Ex d IIB; Ex d A21 IP65 + IP66/07
- II 2G Ex d IIB H₂; Ex d A21 IP65 + IP66/07
- I M2 Ex d 1

This extension and associated descriptive documents must be annexed to the EC-Type Examination Certificate CEST 0047130360.

This document may only be reproduced in its entirety and without any change.

date: 19 November 2007 + (renewed) issued the 19th November 2007

prepared: Pierluigi Molteni

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approved: Francesco Bergami

CESI S.p.A.
Divisione Elettrotecnica
"Ateneo Tecnico-Certificazione"
(Bologna)

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CEI
Centro Elettrotecnico
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Capitale Sociale 2.000.000.000
Chiusura bilancio
Capitale Fiscale versato
Iscrizione Tribunale di Milano

Registro Imprese di Milano
Numero 000000
S. R. L. 000000
P. I. 00000000000

中国国家强制性产品认证证书

证书编号: 2011010401487953

委托人名称、地址
COEL MOTORI SRL
Via Cavour, 40 - 20090 Pizzanasco di Pieve Emanuele (MI) ITALY

生产者(制造商)名称、地址
COEL MOTORI SRL
Via Cavour, 40 - 20090 Pizzanasco di Pieve Emanuele (MI) ITALY

生产企业名称、地址
COEL MOTORI SRL
Via Cavour, 40 - 20090 Pizzanasco di Pieve Emanuele (MI) ITALY

产品名称和系列、规格、型号
三相异步电动机
见附件
产品标准和技术要求
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THAC FACTORY

EXPLOSION PROOF WIRE ROPE HOIST



PROJECT





WARNING:

The equipment shown in this catalogue is intended for industrial use only and should not be used to lift, support, or otherwise transport people, or to suspend loads over people.



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