



中国国家强制性产品认证证书

编号: 2020312301002058

委托人 ABB Oy, Motors and Generators
地址 Strömbergin Puistotie 5A 65320 Vaasa Finland
生产者 ABB Oy, Motors and Generators
地址 Strömbergin Puistotie 5A 65320 Vaasa Finland
生产企业 ABB Oy, Motors and Generators
生产地址 Strömbergin Puistotie 5A 65320 Vaasa Finland
产品名称 三相异步电动机
型号规格 M3KP315
防爆标志 Ex d e IIB/IIC T6...T3 (*) Gb,
Ex tD A21 IP6... T...°C (*), Ex tD A22 IP5... T...°C (*)
依据标准 GB3836.1-2010, GB3836.2-2010, GB3836.3-2010,
GB12476.1-2013, GB12476.5-2013

认证模式 型式试验+初始工厂检查+获证后监督

上述产品符合 CNCA-C23-01: 2019《强制性产品认证实施规则 防爆电气》
和 CNEX-C2301-2019《强制性产品认证实施细则 防爆电气》的要求。

产品相关信息见附页 (共 3 页)。

颁发日期 2020 年 09 月 04 日

有效期至 2025 年 09 月 03 日

证书有效期内本证书的有效性依据发证机构的定期监督获得保持。

主任:

穆大玉



南阳防爆电气研究所有限公司



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产品
PRODUCT
CNAS C208-P

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产品相关信息:

1、本证书覆盖产品如下:

- M3KP315、M3KP280

完整的电机型号命名是字母和数字的组合, 如下所示:

M3KP 315 * * *

(1) (2) (3) (4) (5)

(1): M3KP Ex d e / Ex tD 电机

(2): 中心高 mm

(3): 安装尺寸 (例如: SM)

(4): 对应输出功率字母编码 (例如: A)

(5): 极数: 2、4、6、8

标称额定电压 (DOL 直接连接电源): 190-800V AC, 三相

带有变频器的最大标称电压 (VSD 变频器驱动): 690 V AC

频率: 50Hz、60Hz、变频

工作制: S1 或 S2~S10

防爆标志: Ex d e IIB/IIC T6...T3 (*) Gb

Ex tD A21 IP6... T...°C (*)

Ex tD A22 IP5... T...°C (*)

(*取决于制造商规范中规定的电机类型和型号)

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- 生产者应按照认证机构批准的技术文件组织生产。

2、安全使用条件:

- 环境温度: $-55^{\circ}\text{C}\sim+60^{\circ}\text{C}$ 。
- 某些隔爆接合面的尺寸低于 GB3836.2 的表 1 和表 2 中规定的最大值。这些制造间隙在制造商的拆卸和组装指南 N°3GZF500728-104 中有说明。
- 如果使用变频器, 则电动机可能配有内部温度保护装置, 以确保绝缘等级。表面温度组别也可由嵌入式热传感器保护。必须按照第二铭牌上规定的参数供电, 以确保温度组别。必须遵守制造商规定的有关变频使用说明。
- 环境温度在 -20°C 至 -55°C 之间, 可以不添加加热元件或其他加热系统。
- 必须严格遵守制造商关于将静电风险降至最低的说明。
- 防爆标志为 Ex tD A22 IP5...时, 只能用于无导电性粉尘的 22 区场所。
- 标志附加信息:

环境温度 (如果不同于 $-20^{\circ}\text{C}\sim+40^{\circ}\text{C}$) 。

如果在额定条件下, 导线入口点的温度高于 70°C , 或导线分支点的温度高于 80°C , 则电动机应具有警告: 电缆和电缆引入装置的选择-见使用说明书。

对于由变频器驱动的电机, 应在电机上安装第二个铭牌, 注明电压、电流和/或功能频

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率范围内的负载状况, 以及相关的变频器特性。

当温度传感器连接到本质安全电路“ia”或“ib”时, 必须将所应用的保护型式标志添加到电动机的标记上。

对于 IIC 装置, 当涂层厚度高于表 8 中规定的最大值时, 对于粉尘应用, 增加了以下警告: “警告: 潜在的静电电荷危险-见使用说明书”。

对于带 Ex e 接线盒的电机, “警告-通电时请勿打开”。

对于粉尘应用: “警告-当可能存在爆炸性粉尘环境时, 请勿打开”

设备还应具有适用于此类设备的制造标准所要求的常规标记, 例如电气参数 (Un...V, In...A, Pn...kW, F...Hz, rpm, Cosphi...)。

- 其他见产品使用说明书。

3、证书关联报告:

- 产品型式试验报告: CQST2008C098
- 工厂检查报告: CN2020Q010068

4、证书变更信息: 无

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CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2020312301002058

Applicant	ABB Oy, Motors and Generators
Address	Strömbergin Puistotie 5A 65320 Vaasa Finland
Manufacturer	ABB Oy, Motors and Generators
Address	Strömbergin Puistotie 5A 65320 Vaasa Finland
Production Factory	ABB Oy, Motors and Generators
Production Address	Strömbergin Puistotie 5A 65320 Vaasa Finland
Product	Three-phase AC motor
Model/Type	M3KP315
Ex marking	Ex d e IIB/IIC T6...T3 (*) Gb, Ex tD A21 IP6... T...°C (*), Ex tD A22 IP5... T...°C (*)
Reference Standards	GB3836.1-2010, GB3836.2-2010, GB3836.3-2010, GB12476.1-2013, GB12476.5-2013

Certification mode Type Test + Initial Factory Inspection + Post-Certification Surveillance

The product(s) is verified and certified according to CNCA-C23-01: 2019 *China Compulsory Certification Implementation Rule on Explosion Protected Electrical Product* and CNEX-C2301-2019 *Guideline of China Compulsory Certification Implementation Rule on Explosion Protected Electrical Product*.

See Annex for the detailed product information (3 pages).

Issued on: 2020-09-02

Valid to: 2025-09-01

The validity of this certificate is maintained through the regular supervision of the issuing authority during the validity period.

Where any discrepancy arises between the English translation and the original Chinese version, the Chinese version shall prevail.

Director:



Nanyang Explosion Protected Electrical
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CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

(Annex)

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Product information:

1. This certificate covers the following models:

- M3KP315, M3KP280

The complete motor type designation is a combination of letters and numbers:

M3KP 315 * * *

(1) (2) (3) (4) (5)

(1): M3KP Ex d e / Ex tD motors

(2): Shaft height in mm

(3): Mounting dimensions (for example: SM)

(4): Letter corresponding to the coding of the output power (for example: A)

(5): Number of poles, 2/4/6/8

Nominal rated voltages (DOL "Direct On Line" application): Three-phase 190 V up to 800 V

Maximum nominal voltage with converter (VSD "Variable Speed Drive" application): 690 Vac

Frequency : 50 Hz or 60 Hz or variable frequency

Duty: S1 or intermittent duty S2 to S10

Ex marking: Ex d e IIB/IIC T6...T3 (*) Gb

Ex tD A21 IP6... T...°C (*)

Ex tD A22 IP5... T...°C (*)

(*depending on motor type and model as specified in manufacturer specifications)

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- Producers should organize production in accordance with the technical documents approved by the certification body.

2. Specific conditions of safety use:

- Ambient temp.: -55 °C...+60 °C
- Some flameproof joints dimensions are lower than maximum defined in table 1 and table 2 of GB3836.2. These manufacturing gaps are defined in the manufacturer dismantling and assembly guide N°3GZF500728-104.
- In case of use with a frequency converter, the motors may be equipped with internal temperature protection to ensure the insulation class. The surface temperature class may also be protected by embedded thermal sensors. The motors must be supplied according to the manufacturer's specifications stated on the 2nd name plate to ensure the temperature class. The relevant instructions for use on variable frequency stated by the manufacturer have to be respected.
- Ambient temperature between -20°C to -55°C is allowed without adding heating elements or other heating system.
- The instructions of the manufacturer to minimize the risk from electrostatic discharge must be strictly respected.
- When Ex marking is Ex tD A22 IP5..., it can only be used in zone 22 without conductive dust.

- Additional marking information:

Ambient temperatures if different from -20°C/+40°C.

In case the temperature under rated conditions is higher than 70°C at the entry point or 80°C at the branching point of the conductors, the motor shall bear the warning:
WARNING - SELECTION OF CABLES AND CABLE GLANDS - SEE MANUAL.

For the motors driven by converters a second name plate will be fixed on the motors mentioning the voltage, current and/or load conditions in function of the frequency range, as well as the relevant converter characteristics.

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Thermal sensors could be connected to intrinsic safety circuits "ia" or "ib". Depending on the kind of circuit, symbol related to the protection mode will be added to the marking.

For IIC apparatus when the paint thickness is superior to the maximal values specified in table 8 of GB3836.1, and for dust application, the following warning is added: "WARNING: POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS".

For motors with Ex e terminals boxes: "WARNING – DO NOT OPEN WHILE ENERGIZED".

For dust application: "WARNING – DO NOT OPEN WHEN AN EXPLOSIVE DUST ATMOSPHERE MAY BE PRESENT".

The equipment shall also bear the usual marking required by the manufacturing standards applying to such equipment, such as electrical characteristics (Un...V, In...A, Pn...kW, F...Hz, rpm, Cosphi...).

- See instruction for other information.

3. Certificate related report(s):

- Type test report: CQST2008C098

- Factory inspection report: CN2020Q010068

4. Certificate change information: None

Issued on: 2020-09-02

Director:



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Apparatus Research Institute Co.,Ltd.

