



Addendum to the motor Declaration of Conformity for variable speed application

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Low Voltage motors of protection types EEx d, EEx de, EEx tD, DIP, EEx nA, Ex d and Ex de driven by ABB ACS800 series frequency converters with DTC control

Motors Asynchronous motors 220 - 690 V
Type designation: M3JP / M3KP / M3GP / M2BA

Marking of motors: CE 0081  II 2G / 2D / 2GD / 3G / 3D / 3GD / 2G-3D / 3G-2D

are certified to be driven with frequency converters of type ABB ACS800 if the following conditions are met:

Instructions for safe installation and start-up

The reference of EC Type examination corresponding to the motor is indicated in the EC declaration of conformity delivered with the motor.

The certificate include the following statement:

"In case of variable frequency, the motors must be equipped with internal temperature protection to ensure the insulation class. The motors must be supplied according to the manufacture's specification stated on the name plate to ensure the temperature class. The relevant instructions for use on variable frequency stated by the manufacturer have to be respected."

Thus, we can hereby confirm the conformity of ABB ATEX certified motors driven by ACS 800 drives to the applicable ATEX Directives under the following conditions:

1. The applicable instructions for installation and start-up in the manual Low Voltage Motors for Hazardous Areas must be followed.
2. The applicable instructions for dimensioning and loadability of the catalogue Motors for Hazardous Areas or of other instructions given by ABB must be followed.
3. The installation, start-up and operation of the frequency converter must be carried out according to the manuals of the specific converter.
4. A rating plate for frequency converter operation is fixed on the motor with the converter and load data. The end user shall ensure, that the application data is respected.
5. The motor is equipped with thermistors which must be connected to a thermistor circuit that has to function independently and that is reliably tripping off the supply of the motor to be in accordance with the ATEX-directives annexe II § 1.5.1. For category 2 motors the operation of the relay shall cause the disconnection of the motor.

Note: This declaration is valid also for ABB ACS600 series frequency converters with DTC control.

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