Addendum to the motor Declaration of Conformity for variable speed application

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Date: 15.02.2017
Pages: 3GZF506930-34 F

Low voltage motors of protection types Ex d, Ex de and Ex t driven by ABB frequency converters of series ACS800 / ACS880 / ACS550 / ACS580 / ACH580 / ACQ580

Asynchronous motors
of type designation M3JP / M3KP / M3GP (Ex t) / M3DP and
of voltage range 220V - 690 V

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

are certified to be driven with frequency converters of type ACS800, ACS880, ACS550, ACS580, ACH580 or ACQ580 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 includes the following special conditions for safe use:

"In case of variable frequency, the motors may be equipped with internal temperature protection to ensure the insulation class. The motors must be supplied according to the manufacturer's specification 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."

Thus, we can hereby confirm the conformity of ABB ATEX certified motors driven by ACS800, ACS880, ACS550, ACS580, ACH580, ACQ580 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 explosive atmospheres must be followed.
2. The applicable instructions for dimensioning and loadability of the catalogue Motors for explosive atmospheres 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, as stated in the certificate, that the application data for safe use is respected.
5. The motor is equipped with thermistors which may be connected to a thermistor circuit. If so, this circuit has to function independently and is reliably tripping off the supply of the motor to be in accordance with the ATEX-directives annexe II § 1.5.1.

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