



(1) **Supplementary Type Examination Certificate No. 2**

(2) **Equipment or Protective Systems Intended for Use
in Potentially Explosive Atmospheres
(Directive 2014/34/EU)**


(3) Type Examination Certificate number:


FTZÚ 13 ATEX 0040

- (4) Equipment: **Three-Phase Asynchronous Motor type:
1MB1521-..., 1MB1523-..., 1MB1621-..., 1MB1623-...,
1MB1531-..., 1MB1533-..., 1MB1631-..., 1MB1633-...,
Frame size: -2B..., -2C..., -2D..., -3A, (225 to 315)**
- (5) Manufacturer: **Siemens AG**
- (6) Address: **Vogelweiherstraße 1-15, 90441 Nürnberg, Germany**
- (7) This supplementary certificate extends Type Examination Certificate No. FTZÚ 13 ATEX 0040 to apply to products designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.
- (8) The Physical-Technical Testing Institute certifies that this product, as modified by this supplementary certificate, has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive 2014/34/EU of the European Parliament and of the Council, dated 26.02.2014.
- (9) In accordance with Article 41 of Directive 2014/34/EU, Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20.04.2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20.04.2016.
- (10) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2012+A11:2013, EN 60079-7:2015, EN 60079-31:2014

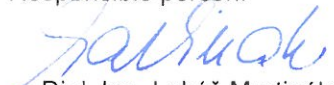
(11) The marking of the product shall include the following:

 **II 3D Ex tc IIIB T120°C Dc or Ex tc IIIB T130°C Dc or**
II 3G Ex ec IIC T3 Gc or Ex ec IIB T3 Gc or

 **II 3GD Ex ec IIC T3 Gc**
Ex tc IIIB T120°C Dc or Ex tc IIIB T130°C Dc

(12) This certificate is valid till: **25.09.2024**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 25.09.2019

Page: 1/4

This certificate is granted subject to the general conditions of the FTZÚ, s.p.
This certificate may only be reproduced in its entirety and without any change, schedule included.



**Physical-Technical Testing Institute
Ostrava - Radvanice**

(13) **Schedule**

(14) **Supplementary Type Examination Certificate No. 2
to FTZÚ 13 ATEX 0040**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Prolongation of certificate validity.
- Documentation updated.
- Evaluation of the product according to the standard: EN 60079-7:2015.
- Manufacturer name updated.
- Equipment Ex marking is changed from "nA" to "ec" according to EN 60079-7:2015.
- The supplementary certificate verifies following modification of product:
 - o Group II motors can be alternatively equipped with non-metallic fan impeller.
Maximum ambient temperature range for the motors with new non-metallic fan impeller is from -30°C to +60°C.
 - o Alternative material for insulating of the bearing can be used.
 - o Mains supplied motors can be designed with reduced starting current 700% or 600% Ia/In.
 - o Active parts of 4 motors of efficiency class IE3 were modified. See technical parameters below:

Technical parameters of modified motors of efficiency class IE3:

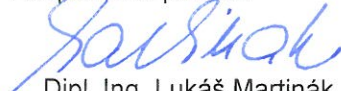
Type	400 V 50 Hz				460 V 60 Hz			
	Output [kW]	Current [A]	Speed [min ⁻¹]	"ec": T3 "tc": Tx	Output [kW]	Current [A]	Speed [min ⁻¹]	"ec": T3 "tc": Tx
4-poles	(1500 min ⁻¹)				(1800 min ⁻¹)			
1MB15.3-2BB2	45	80	1478	120 °C	52	81	1778	120 °C

Type	400 V 50 Hz				460 V 60 Hz			
	Output [kW]	Current [A]	Speed [min ⁻¹]	"ec": T3 "tc": Tx	Output [kW]	Current [A]	Speed [min ⁻¹]	"ec": T3 "tc": Tx
6-poles	(1000 min ⁻¹)				(1200 min ⁻¹)			
1MB15.3-2DC2	55	99	988	120 °C	66	102	1186	120 °C
1MB15.3-3AC5	132	245	992		158	250	1191	
1MB15.3-3AC6	160	295	992		192	300	1191	

Technical parameters and construction of the products excepting above described modifications remain unchanged.

(16) Report Number.: 13/0040/2 25.09.2019

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 25.09.2019

Page: 2/4



Physical-Technical Testing Institute
Ostrava - Radvanice

(13)

Schedule

(14)

Supplementary Type Examination Certificate No. 2
to FTZÚ 13 ATEX 0040

(17) Specific Conditions of Use:

None.


(18) Essential Health and Safety Requirements:

Compliance with the Essential Health and Safety Requirements is covered by standards mentioned in clause (10) of this supplementary certificate.

(19) Drawings and Documents:

Number	Issue	Date	Description
A5E45594342A	0.4	13.09.2019	Description of machines
A5E44455710A	--	12/2018	Operating instruction
D81.1 2019	--	10.04.2019	Catalogue dates
59018225200000	AA+AB	13.08.2018	Drawing
59018225212000	AA+AB	13.08.2018	Drawing
59018225212001	AA+AB	13.08.2018	Drawing
59018225216000	AA+AC	16.01.2019	Drawing
59018280200000	AA+AB	13.08.2018	Drawing
59018280212000	AA+AB	13.08.2018	Drawing
59018280212001	AA+AC	15.01.2019	Drawing
59018280216000	AA+AC	16.01.2019	Drawing
59018315212000	AA+AC	16.01.2019	Drawing
59018315212001	AA+AC	15.01.2019	Drawing
59018315216000	AA+AC	16.01.2019	Drawing
59018315216001	AA+AB	13.08.2018	Drawing
59018000212000	AA+AB	13.08.2018	Drawing
A5E45583431A	AA	03.08.2018	Drawing
A5E38000470A	AA	06.02.2018	Drawing
A5E46421347A	AB	11.01.2019	Drawing

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 25.09.2019

Page: 3/4



Physical-Technical Testing Institute
Ostrava - Radvanice

(13)

Schedule

(14)

Supplementary Type Examination Certificate No. 2
to FTZÚ 13 ATEX 0040

(19) Drawings and Documents: - continuation

Number	Issue	Date	Description
A5E48099715A	AA	08.08.2019	Drawing
A5E48479980A	AA	13.09.2019	Drawing
A5E45617302A	--	24.08.2018	Table
A5E45618186A	--	19.03.2019	Table
A5E45671671A	--	13.09.2019	Table
A5E48290070A	--	16.08.2019	Table
56501331000002	--	03.04.2017	Isolation system
56501331100001b	--	17.08.2016	Isolation system
56501331200001	--	17.08.2016	Isolation system
WB0027	--	23.09.2019	Technological Rules
N7_07_007	--	31.07.2017	Technological Rules

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 25.09.2019

Page: 4/4