



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEx EPS 15.0048**

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Certificate history:

Status: **Current**

Issue No: 2

Issue 1 (2020-06-22)

Issue 0 (2015-09-12)

Date of Issue: 2022-08-08

Applicant: **SICME ORANGE S.r.l**
Piazza della Repubblica n. 28
20124 Milano
Italy

Equipment: **D.C. motors type C7, C7C, C11, C13, C16, C19, C19H, C23**

Optional accessory:

Type of Protection: **db**

Marking: Ex db IIB T4 Gb
Ex db IIC T4 Gb (for C7C type)
Ex db IIB+H2 T4 Gb (for C19H type)

Approved for issue on behalf of the IECEx
Certification Body:

Position:

Signature:
(for printed version)

Date:
(for printed version)

Ulrich Feike

Head of Certification

2022-08-08



1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

Bureau Veritas Consumer Products Services Germany GmbH
Businesspark A96
86842 Türkheim
Germany





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Manufacturer: **SICME ORANGE S.r.l**
Piazza della Repubblica n. 28
20124 Milano
Italy

Manufacturing
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition: 7.0

IEC 60079-1:2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition: 7.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Reports:

DE/EPS/ExTR15.0050/00

DE/EPS/ExTR15.0050/01

DE/EPS/ExTR15.0050/02

Quality Assessment Report:

DE/EPS/QAR15.0007/08



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The motors subject to this certification are identified by a code as follows:

Ca) .b) .c) .d) .e)

a) code of the series

b) 7, 7C, 11, 13, 16, 19, 19H, 23: size

c) S, M, L: length of the rotor

d) CVE: external ventilation

e) d: flameproof motor

Electrical characteristics: See attachment

Separately certified accessories such as tachometer or pulse generator are available as an option.

Only certified Ex-d cable entry devices according to IEC 60079-0 and IEC 60079-1 shall be used.

Maximum allowed ambient temperature range: -20 °C to +60 °C

SPECIFIC CONDITIONS OF USE: NO



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Addition of model C19H for gasgroup IIB+H2

Annex:

[IECEX EPS 15.0048_02 - Annex.pdf](#)



Annex to Certificate
IECEx EPS 15.0048 Issue No.: 2



Electrical characteristics:

Motor type	C7 / C7C	C11	C13	C16	C19 / C19H	C23
Armature rated voltage [V]	24 – 440	24 – 500	24 – 500	50 – 500	12 – 750	110 – 500
max. supply armature and excitation current [A] for ambient temperature up to +40 °C	18	49	49	86	155	200
max. supply armature and excitation current [A] for ambient temperature from +40 °C to +60 °C	15,5	43	43	76	135	175
Rated power [kW]	0,04 – 1,2	0,4 – 2,4	1 – 6	1 – 14	2 – 25	6,5 – 35
Excitation voltage [V]	12 – 500	24 – 500	24 – 500	12 – 500	12 – 400	110 – 500
Rated speed [rpm]	500 – 3600	1000 – 3000	100 – 3000	400 – 3600	500 – 3200	750 – 2500
Duty	S1 – S9	S1 – S9	S1 – S9	S1 – S9	S1 – S9	S1 – S9
Insulation class	H	H	H	H	H	H
Overtemperature class	B or F	B or F	B or F	B or F	B or F	B or F