



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

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

Ex COMPONENT CERTIFICATE

Certificate No.: IECEX CQM 13.0007U Issue No: 1 Certificate history:
Status: Current Page 1 of 4 Issue No. 1 (2019-02-18)
Date of Issue: 2019-02-18 Issue No. 0 (2013-05-07)
Applicant: SHIMADA ELECTRIC CO.,LTD
2-29-6NAKAIKEGAMI,OTA-KU,TOKYO
Japan
Ex Component: Explosion-proof reducer SRX Series

This component is NOT intended to be used alone and requires additional consideration when incorporated into other equipment or systems for use in explosive atmospheres (refer to IEC 60079-0).

Type of Protection: Ex "d", Ex "e", Ex "t"

Marking: Ex db IIC Gb ,Ex eb IIC Gb, Ex tb IIIC Db IP66

Approved for issue on behalf of the IECEX
Certification Body:

Ji Xiaodong

Position:

General Manager

Signature:
(for printed version)

Date:

2019-02-18

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 the [Official IECEX Website](http://www.iecex.com).

Certificate issued by:

China Quality Mark Certification Group Co., Ltd.
No. 33 Zengguang Road, Haidian District,
Beijing City, Postal code: 100048
China





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Manufacturer: SHIMADA ELECTRIC CO.,LTD
2-29-6NAKAIKEGAMI,OTA-KU,TOKYO
Japan

Additional Manufacturing location(s):
SHIMADA ELECTRIC CO.,LTD
946-1 Akasakacho Sano City Tochigi
Japan

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 Component 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 Ex Component 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 Edition:7.0	Explosive atmospheres - Part 0: Equipment - General requirements
IEC 60079-1 : 2014-06 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2013 Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
IEC 60079-7 : 2017 Edition:5.1	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

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

TEST & ASSESSMENT REPORTS:

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

Test Report:

CN/CQM/ExTR13.0012/00 CN/CQM/ExTR13.0012/01

Quality Assessment Report:

CN/CQM/QAR12.0002/04



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Schedule

Ex Component(s) covered by this certificate is described below:

Description of equipment

1. The SRX reducers can be made of brass (C3604), carbon steel(SS400),stainless steel (SUS304, SUS316, SUS316L).
2. Nomenclature is specified in Attachment.

SCHEDULE OF LIMITATIONS:

Service temperature: -60°C ~ +80°C



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

1. Minimum service temperature is changed from -20°C to -60°C.
2. Delete G threads.
3. Standards IEC 60079-0:2007; IEC60079-1:2007; IEC60079-7:2006; IEC60079-31:2008 are updated to IEC 60079-0:2017; IEC60079-1:2014; IEC60079-7:2017; IEC60079-31:2013.

Annex:

[IECEX CQM 13.0007U 01 Attachment.pdf](#)



Attachment to Certificate

IECEX CQM 13.0007U issue No.: 1

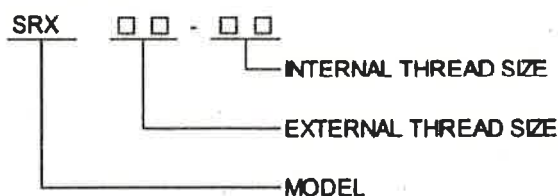


Applicant: SHIMADA ELECTRIC CO., LTD
2-29-6NAKAIKEGAMI, OTA-KU, TOKYO, JAPAN

Electrical equipment:
Explosion-proof reducer SRX Series

Description of equipment:

Nomenclature:



		Male															
		M Thread							NPT Thread								
		M20	M25	M32	M40	M50	M63	M75	M80	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
Female	M thread	M20	○							○							
		M25	○	○						○	○						
		M32	○	○	○					○	○	○					
		M40	○	○	○	○				○	○	○	○				
		M50		○	○	○	○					○	○	○	○		
		M63			○	○	○	○					○	○	○	○	
		M75				○	○	○	○					○	○	○	○
		M80					○	○	○	○					○	○	○
Female	NPT Thread	1/2"	○							○							
		3/4"	○	○						○	○						
		1"	○	○	○					○	○	○					
		1 1/4"	○	○	○	○				○	○	○	○				
		1 1/2"		○	○	○	○					○	○	○	○		
		2"			○	○	○	○					○	○	○	○	
		2 1/2"				○	○	○	○					○	○	○	○
		3"					○	○	○	○					○	○	○