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 DEK 18.0073X**	Page 1 of 3	Certificate history:
Status:	**Current**	Issue No: 0	
Date of Issue:	2019-12-20		
Applicant:	**ROSE Systemtechnik GmbH** Erbeweg 13 - 15 32457 Porta Westfalica **Germany**		
Equipment:	**Power distribution, switchgear and control assembly Series IJB**		
Optional accessory:			
Type of Protection:	**Ex db, Ex tb**		
Marking:	Ex db **...** IIB + H_2 T4, T5 or T6 Gb Ex db **...** IIB T4, T5 or T6 Gb Ex tb **...** IIIC T85 °C, T100 °C or T135 °C Db		

Approved for issue on behalf of the IECEx Certification Body: **R. Schuller**

Position: **Certification Manager**

Signature: (for printed version)

Date: 2019-12-20

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:

DEKRA Certification B.V.
Meander 1051
6825 MJ Arnhem
Netherlands

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Manufacturer:
ROSE Systemtechnik GmbH
Erbeweg 13 - 15
32457 Porta Westfalica
Germany

Additional manufacturing locations:
Phoenix Mecano (India) Pvt. Ltd.
Plant - I & II:
Pirangut Industrial Area, Post Ghotowade,
Plot 388/389, Village Bhare, Taluka Mulshi
Disit, Pune - 412 115
India

Phoenix Mecano B.V.
Havenstraat 100
7005 AG Doetinchem
Netherlands

See Annex 2 for all 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

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

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 Report:

NL/DEK/ExTR19.0096/00

Quality Assessment Report:

DE/EPS/QAR17.0003/19

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

Power distribution, switchgear and control assembly Series IJB, made of aluminium, stainless steel or cast iron with a flanged cover, with or without display window(s), are intended to be used in potentially explosive atmospheres. Inside and in the walls or cover of the enclosure electrical apparatus such as terminals, switching-, control-, regulating-, measuring- and indicating devices can be mounted.

Maximum ambient temperature range -60 °C to +110 °C, for details see Annex 1.

Degree of protection IP66 according to IEC 60529 and IEC 60079-0.

For more detailed information see Annex 1.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. For enclosures provided with a powder coating, liquid painting or provided with a non-metallic nameplate and/or tagplate and intended for use in Group III applications, the user shall minimize the risk from electrostatic discharge by suitable selection and installation.
2. The flamepath of the cover differs from the values stated in IEC 60079-1. Contact the manufacturer for information on the dimensions of the flameproof joints.
3. The M8 or M10 fasteners are of grade A2-70 with a yield stress of at least 450 MPa and shall be applied with a minimum torque value of 58 Nm.

Annexes:

222966700 Annex 1.pdf
222966700 Annex 2.pdf