





# Mining And Surface Certification (Pty) Ltd

2015/021934/07

IN TERMS OF REGULATION 21.17.2 OF THE MINERALS ACT (INCORPORATION THE MINE HEALTH AND SAFETY ACT) AND REGULATION 9 (1) OF THE ELECTRICAL MACHINERY REGULATIONS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT

<b>IA CERTIFICATE</b>	MASC MS/17-0879	<b>Issue</b>	1
<b>Issue Date</b>	6 August 2021	<b>Expiry Date</b>	23 July 2024
<b>*Based on Certificate No</b>	IECEX TUN 09.0007	<b>Issue / Variations / Amendment</b>	2
<b>Requested by</b>	Pepperl+Fuchs (Pty) Ltd 1st fl Zerwick Forum, 8 Glen Eagle Office Park, Cnr Monument Rd and Braambos St Glen Erasmia, Kempton Park 1619 South Africa		
<b>Manufacturer</b>	Pepperl+Fuchs SE Lilienthalstrasse 200, 68307 Mannheim Germany		
<b>Description</b>	The transmitter supply isolator type KF**-CRG2-Ex1.** is an associated apparatus for the evaluation of connected transmitters. The input circuits are intrinsically safe. Available are relay outputs, transistor outputs, RS232 interface and an impressed current output. For variant KF**-CRG2-Ex1.D an operating module is provided for the display of measured values and for the adjustment. See attachment to IECEX TUN 09.0007 issue No. 2 for details.		
<b>Equipment</b>	Transmitter supply isolator	<b>Type</b>	KF**-CRG2-Ex1.**
<b>MARKING: Original marking as per certificate * remains applicable. IA number to be added.</b>	<b>Type Ex Marking</b> <b>IA Number</b> <b>Warnings</b>	Transmitter supply isolator KF**-CRG2-Ex1.** [Ex ia Ga] IIC or [Ex ia Da] IIIC or [Ex ia Ma] I MASC MS/17-0879 See Base Certificate * and original marking	
<b>Quality Assurance report (QAR) / Notification (QAN):</b>	DE/PTB/QAR06.0008/16		
<b>Quality Assurance report (QAR) / Notification (QAN) Expiry date:</b>	23 July 2024		
<b>Compliance:</b>	The equipment as described above has been allocated the Explosion Protected per rating above utilizing the SANS/IEC Standards: <ul style="list-style-type: none"> <li>SANS (IEC) 60079-0: 2019 Explosive atmospheres - Part 0: Equipment - General Requirements</li> <li>SANS (IEC) 60079-11: 2012 Explosive atmospheres Part 11: Equipment protection by intrinsic safety "i"</li> </ul>		
<b>Special conditions of safe use "X":</b>	<ul style="list-style-type: none"> <li>See "Annex A" below</li> </ul>		
<b>Conditions of manufacture:</b>	<ul style="list-style-type: none"> <li>See "Annex A" below</li> </ul>		
 <b>C Welthagen TECHNICAL SPECIALIST</b>	 <b>D.P Visser TECHNICAL SPECIALIST</b>		
This certificate covers all units sold as long as the QAR/QAN remains valid. According to the relevant requirements of the MHS Act and the OHS Act, production units of explosion protected equipment are required to comply with third party quality assurance (an approved mark scheme or batch testing by an accredited test laboratory).			

Apparatus in hazardous locations is subject to the following provisions as applicable, which shall be adhered to:  
 SANS 10086 requirements;  
 Any conditions mentioned in the above report  
 Any restrictions and conditions enforced by the chief inspector of mines or chief inspector of factories  
 Any relevant requirements of the MHS Act.

/ . ANNEX A...

This certificate may only be reproduced in full.  
 This certificate is not transferable and remains the property of the issuing body

Mining And Surface Certification (Pty) Ltd  
 Unit 5 Lelyta Park, 45 Jurg Ave, Hennospark Ext 87  
 Centurion, 0157

# IA CERTIFICATE: MASC MS/17-0879

## Equipment: Transmitter supply isolator

### ANNEX A

This document is based on and must be read in conjunction with certificate IECEx TUN 09.0007.	
<b>Description (According to Base Certificate *)</b>	
"Refer to description in Base Certificate * (and any applicable schedules/issues/variatioins)."	
<b>Standard compliance</b>	See Base Certificate *
<b>Special conditions of safe use ("X")</b>	<ul style="list-style-type: none"> <li>• None</li> </ul>
<b>Conditions of manufacture</b>	<ul style="list-style-type: none"> <li>• None</li> </ul>
<b>Conditions of Certification</b>	<ul style="list-style-type: none"> <li>• This IA Certificate covers all units sold from the date of this document to the expiry date of this certificate.</li> <li>• As per ARP 0108 a maximum three yearly review is required on this IA Certificate (expiry is determined as per the QAR/QAN/QMS expiry date).</li> <li>• The apparatus must be additionally marked with the MASC marking details above.</li> <li>• This approval only covers the equipment as certified above and does not include any scheduled additions or variations / amendments / new issues to the certificate(s), made after the above date.</li> <li>• The equipment does not need to be re-tested when used on the conditions and with such restrictions as prescribed by the certificate on which this IA Certificate is based and any other conditions in this IA Certificate.</li> <li>• The certification on which this IA Certificate is based must remain valid.</li> <li>• The extent of the requirements in the ARP 0108 (or regulations), SANS 10108 and any other applicable regulations on the certification of the equipment must remain unchanged.</li> <li>• The Ex quality assurance notification/report for the equipment must remain valid.</li> </ul>
<b>Conclusion:</b>	<ul style="list-style-type: none"> <li>• From the above and the selective examination of the documentation, nothing contrary to the requirements of the applicable standards was found, provided that the equipment / component is used as described in the above document / certificate and according to the MASC conditions below. A MASC IA certificate is issued based on the work done as per the Base Certificate *.</li> <li>• The routine tests for production units according to the Base Certificate * must be complied with (if applicable).</li> </ul>

This document is issued based on Mining And Surface Certification's Standard Contract terms and conditions available on request.

While every endeavour is made to ensure that a test / assessment / inspection is representative and accurately performed, and that a report / certificate is accurate in the quoted results and conclusions drawn from the test / assessment / inspection, MASC or its directors/employees shall in no way be liable for any error made in carrying out the test / assessment or for any erroneous statement, whether in fact or in opinion, contained in a report / certificate issued pursuant to a test / assessment / inspection.

MASC takes no responsibility for any non-conformances, exclusions or any results / assessments / inspections not in compliance with the standards. By marking the equipment in accordance with the documentation / standard, the manufacturer / applicant attests on his own responsibility that the equipment / installation has been designed and constructed in accordance with the applicable requirements of the relevant standards and documentation, that the routine verifications / routine tests have been correctly completed and the equipment / installation complies with the documentation and standard(s).

This document is only for use and application in South Africa. It is issued based on National interpretations and accepted practices