





THIS CERTIFICATE IS ISSUED AS AN I.A. CERTIFICATE IN TERMS OF THE MINE HEALTH AND SAFETY ACT, ACT NO 29 OF 1996 (AND REGULATIONS), THE OCCUPATIONAL HEALTH AND SAFETY ACT (ACT 85 OF 1993) AND REGULATION 17 OF THE ELECTRICAL MACHINERY REGULATIONS

IA CERTIFICATE	MASC MS/18-3256X	Issue	1	
Issue Date	05 May 2023	Expiry Date	08 April 2026	
** Based on Certificate No				
Requested by	IECEx TUR 18.0023X Issue / Variations / Amendment 2			
Requested by	SAMCON Prozessleittechnik GmbH			
	Schillerstraße 17, D-35102 Lohra-Altenvers,			
Manufacturer	Germany SAMCON Prozessleittechnik GmbH			
Walturacturer				
	Schillerstraße 17, D-35102 Lohra-Altenvers, Germany			
Description	The ExCam Series is an elec	trical device that is	notected by a press	ure-resistant (Ex-d)
Description				
	enclosure. The flameproof housings not only make the device flameproof but also robust for a variety of industries and applications. Within the pressure-resistant enclosure, various camera			
	modules and lenses, reflecting different technical specifications, are installed. Accessory			
	components such as PTC heating elements, fans, NIR LEDs, lighting devices, mechanical			
	components, and clamps are			
	combination with other IECE>			
	converter, or certified lighting			
Equipment	ExCam	Type T08		
MARKING:	Туре:	ExCam Series	T08	
Original marking as per	Ex Marking:	Ex db I Mb*		
certificate ** remains	_/g.	Ex db IIC T6 Gb	*	
applicable.		Ex tb IIIC T80°C		
IA number must be added.		*see marking ar	nd annex	
	IA Number:			lly marked on equipment)
	Warnings:		icate ** (original marki	
Quality Assurance report (QAR) / Notification (QAN):	DE/BVS/QAR14		
Quality Assurance report (08 April 2026		
Expiry date:		•		
Compliance:				
The equipment as described	above has been allocated the ra	ating <u>Explosion Pr</u>	otected 'as above' util	izing the SANS/IEC
Standards:				
SANS (IEC) 60079-0: 2019 Equipment - General requirements				
SANS (IEC) 60079-1: 2015 Equipment protection by flameproof enclosures "d"				
• SANS (IEC) 60079-1:			nclosures "d"	
 SANS (IEC) 60079-1: SANS (IEC) 60079-11: 		on by flameproof e		
	2015 Equipment protection	on by flameproof e on by intrinsic safe		
• SANS (IEC) 60079-11:	2015Equipment protection2012Equipment protection2022Protection by encapt2016Protection of equipment	on by flameproof e on by intrinsic safe sulation "m" nent and transmis	ty "i" sion systems using op	tical radiation
 SANS (IEC) 60079-11: SANS (IEC) 60079-18: SANS (IEC) 60079-28: SANS (IEC) 60079-31: 	2015Equipment protection2012Equipment protection2022Protection by encapt2016Protection of equipment2014Equipment dust ignition	on by flameproof e on by intrinsic safe sulation "m" nent and transmis tion protection by	ty "i" sion systems using op enclosure "t"	
 SANS (IEC) 60079-11: SANS (IEC) 60079-18: SANS (IEC) 60079-28: SANS (IEC) 60079-31: Note: This certificate covers 	2015Equipment protection2012Equipment protection2022Protection by encap2016Protection of equipment2014Equipment dust ignitiononly the listed standards and do	on by flameproof e on by intrinsic safe osulation "m" nent and transmis tion protection by oses not imply com	ty "i" sion systems using op enclosure "t" pliance to any other st	andard, related or inferred. It
 SANS (IEC) 60079-11: SANS (IEC) 60079-18: SANS (IEC) 60079-28: SANS (IEC) 60079-31: Note: This certificate covers is up to the manufacturer to 	2015 Equipment protection 2012 Equipment protection 2022 Protection by encap 2016 Protection of equipment dust ignition 2014 Equipment dust ignition only the listed standards and doensure that the product complied Complete	on by flameproof e on by intrinsic safe osulation "m" nent and transmis tion protection by oses not imply com	ty "i" sion systems using op enclosure "t" pliance to any other st	andard, related or inferred. It
 SANS (IEC) 60079-11: SANS (IEC) 60079-18: SANS (IEC) 60079-28: SANS (IEC) 60079-28: SANS (IEC) 60079-31: Note: This certificate covers is up to the manufacturer to 	2015 Equipment protection 2012 Equipment protection 2022 Protection by encap 2016 Protection of equipm 2014 Equipment dust ignit only the listed standards and do ensure that the product complien use "X":	on by flameproof e on by intrinsic safe osulation "m" nent and transmis tion protection by oses not imply com	ty "i" sion systems using op enclosure "t" pliance to any other st	andard, related or inferred. It
 SANS (IEC) 60079-11: SANS (IEC) 60079-18: SANS (IEC) 60079-28: SANS (IEC) 60079-28: SANS (IEC) 60079-31: Note: This certificate covers is up to the manufacturer to Special conditions of safe Refer to Annex A below 	2015 Equipment protection 2012 Equipment protection 2022 Protection by encap 2016 Protection of equipm 2014 Equipment dust ignit only the listed standards and do ensure that the product complien use "X": for more details.	on by flameproof e on by intrinsic safe osulation "m" nent and transmis tion protection by oses not imply com	ty "i" sion systems using op enclosure "t" pliance to any other st	andard, related or inferred. It
 SANS (IEC) 60079-11: SANS (IEC) 60079-18: SANS (IEC) 60079-28: SANS (IEC) 60079-31: Note: This certificate covers is up to the manufacturer to Special conditions of safe Refer to Annex A below Conditions of manufacture 	2015 Equipment protection 2012 Equipment protection 2022 Protection by encap 2016 Protection of equipm 2014 Equipment dust ignit only the listed standards and do ensure that the product complien use "X": for more details.	on by flameproof e on by intrinsic safe osulation "m" nent and transmis tion protection by oses not imply com	ty "i" sion systems using op enclosure "t" pliance to any other st	andard, related or inferred. It
 SANS (IEC) 60079-11: SANS (IEC) 60079-18: SANS (IEC) 60079-28: SANS (IEC) 60079-28: SANS (IEC) 60079-31: Note: This certificate covers is up to the manufacturer to Special conditions of safe Refer to Annex A below 	2015 Equipment protection 2012 Equipment protection 2022 Protection by encap 2016 Protection of equipm 2014 Equipment dust ignit only the listed standards and do ensure that the product complien use "X": for more details.	on by flameproof e on by intrinsic safe osulation "m" nent and transmis tion protection by oses not imply com	ty "i" sion systems using op enclosure "t" pliance to any other st	andard, related or inferred. It
 SANS (IEC) 60079-11: SANS (IEC) 60079-18: SANS (IEC) 60079-28: SANS (IEC) 60079-31: Note: This certificate covers is up to the manufacturer to Special conditions of safe Refer to Annex A below Conditions of manufacture Refer to Annex A below 	2015 Equipment protection 2012 Equipment protection 2022 Protection by encap 2016 Protection of equipm 2014 Equipment dust ignit only the listed standards and do ensure that the product complien use "X": for more details.	on by flameproof e on by intrinsic safe osulation "m" nent and transmis tion protection by oses not imply com	ty "i" sion systems using op enclosure "t" pliance to any other st	andard, related or inferred. It
 SANS (IEC) 60079-11: SANS (IEC) 60079-18: SANS (IEC) 60079-28: SANS (IEC) 60079-31: Note: This certificate covers is up to the manufacturer to Special conditions of safe Refer to Annex A below Conditions of manufacture Refer to Annex A below 	2015 Equipment protection 2012 Equipment protection 2022 Protection by encap 2016 Protection of equipm 2014 Equipment dust ignit only the listed standards and do ensure that the product complien use "X": for more details.	on by flameproof e on by intrinsic safe osulation "m" nent and transmis tion protection by oses not imply com	ty "i" sion systems using op enclosure "t" pliance to any other st	andard, related or inferred. It
 SANS (IEC) 60079-11: SANS (IEC) 60079-18: SANS (IEC) 60079-28: SANS (IEC) 60079-31: Note: This certificate covers is up to the manufacturer to Special conditions of safe Refer to Annex A below Conditions of manufacture Refer to Annex A below 	2015 Equipment protection 2012 Equipment protection 2022 Protection by encap 2016 Protection of equipm 2014 Equipment dust ignit only the listed standards and do ensure that the product complien use "X": for more details.	on by flameproof e on by intrinsic safe osulation "m" nent and transmis tion protection by oses not imply com	ty "i" sion systems using op enclosure "t" pliance to any other st	andard, related or inferred. It
 SANS (IEC) 60079-11: SANS (IEC) 60079-18: SANS (IEC) 60079-28: SANS (IEC) 60079-31: Note: This certificate covers is up to the manufacturer to Special conditions of safe Refer to Annex A below Conditions of manufacture Refer to Annex A below 	2015 Equipment protection 2012 Equipment protection 2022 Protection by encap 2016 Protection of equipm 2014 Equipment dust ignit only the listed standards and do ensure that the product complien use "X": for more details.	on by flameproof e on by intrinsic safe osulation "m" nent and transmis tion protection by oses not imply com	ty "i" sion systems using op enclosure "t" pliance to any other st	andard, related or inferred. It
 SANS (IEC) 60079-11: SANS (IEC) 60079-18: SANS (IEC) 60079-28: SANS (IEC) 60079-28: SANS (IEC) 60079-31: Note: This certificate covers is up to the manufacturer to Special conditions of safe Refer to Annex A below Conditions of manufacture Refer to Annex A below 	2015 Equipment protection 2012 Equipment protection 2022 Protection by encap 2016 Protection of equipm 2014 Equipment dust ignition only the listed standards and du ensure that the product complien use "X": for more details.	on by flameproof e on by intrinsic safe osulation "m" nent and transmis tion protection by oses not imply com	ty "i" sion systems using op enclosure "t" pliance to any other st andards for the applic	andard, related or inferred. It
 SANS (IEC) 60079-11: SANS (IEC) 60079-18: SANS (IEC) 60079-28: SANS (IEC) 60079-28: SANS (IEC) 60079-31: Note: This certificate covers is up to the manufacturer to Special conditions of safe Refer to Annex A below Conditions of manufacture 	2015 Equipment protection 2012 Equipment protection 2022 Protection by encap 2016 Protection of equipm 2014 Equipment dust ignit only the listed standards and do ensure that the product complien use "X": for more details.	on by flameproof e on by intrinsic safe osulation "m" nent and transmis tion protection by oses not imply com	ty "i" sion systems using op enclosure "t" pliance to any other st andards for the applic	andard, related or inferred. It
 SANS (IEC) 60079-11: SANS (IEC) 60079-18: SANS (IEC) 60079-28: SANS (IEC) 60079-28: SANS (IEC) 60079-31: Note: This certificate covers is up to the manufacturer to Special conditions of safe Refer to Annex A below Conditions of manufacture Refer to Annex A below 	2015 Equipment protection 2012 Equipment protection 2022 Protection by encap 2016 Protection of equipm 2014 Equipment dust ignit only the listed standards and do ensure that the product complient use "X": for more details. for more details.	on by flameproof e on by intrinsic safe sulation "m" nent and transmis tion protection by pes not imply com s to all relevant st	ty "i" sion systems using op enclosure "t" pliance to any other st andards for the applic the applic N. VILOJEN TECHNICAL OFF	andard, related or inferred. It
 SANS (IEC) 60079-11: SANS (IEC) 60079-18: SANS (IEC) 60079-28: SANS (IEC) 60079-31: Note: This certificate covers is up to the manufacturer to Special conditions of safe of Refer to Annex A below Conditions of manufacture Refer to Annex A below 	2015 Equipment protection 2012 Equipment protection 2022 Protection by encap 2016 Protection of equipm 2014 Equipment dust ignionly the listed standards and do ensure that the product complien use "X": for more details. for more details. for more details. AGEN BECALLIST This certificate covers all units s ts of the MHS Act and the OHS Act, production 2012 Protection by encap 2016 Protection by encap 2017 Protection by encap 2018 Protection b	on by flameproof e on by intrinsic safe sulation "m" nent and transmis tion protection by <i>bes not imply com</i> <i>s to all relevant st</i>	ty "i" sion systems using op enclosure "t" pliance to any other st andards for the applic. N. VILOJEN TECHNICAL OFF GAN remains valid. protected equipment are requ	andard, related or inferred. It ation.
 SANS (IEC) 60079-11: SANS (IEC) 60079-18: SANS (IEC) 60079-28: SANS (IEC) 60079-31: Note: This certificate covers is up to the manufacturer to Special conditions of safe of Refer to Annex A below Conditions of manufacture Refer to Annex A below 	2015 Equipment protection 2012 Equipment protection 2022 Protection by encap 2016 Protection of equipm 2014 Equipment dust ignit only the listed standards and do ensure that the product complient use "X": for more details. for more details.	on by flameproof e on by intrinsic safe sulation "m" nent and transmis tion protection by <i>bes not imply com</i> <i>s to all relevant st</i>	ty "i" sion systems using op enclosure "t" pliance to any other st andards for the applic. N. VILOJEN TECHNICAL OFF GAN remains valid. protected equipment are requ	andard, related or inferred. It ation.
 SANS (IEC) 60079-11: SANS (IEC) 60079-18: SANS (IEC) 60079-28: SANS (IEC) 60079-31: Note: This certificate covers is up to the manufacturer to Special conditions of safe of Refer to Annex A below Conditions of manufacture Refer to Annex A below 	2015 Equipment protection 2012 Equipment protection 2022 Protection by encap 2016 Protection of equipm 2014 Equipment dust ignionly the listed standards and do ensure that the product complien use "X": for more details. for more details. for more details. AGEN BECALLIST This certificate covers all units s ts of the MHS Act and the OHS Act, production 2012 Protection by encap 2016 Protection by encap 2017 Protection by encap 2018 Protection b	on by flameproof e on by intrinsic safe sulation "m" nent and transmis tion protection by <i>bes not imply com</i> <i>s to all relevant st</i>	ty "i" sion systems using op enclosure "t" pliance to any other st andards for the applic. N. VILOJEN TECHNICAL OFF GAN remains valid. protected equipment are requ	andard, related or inferred. It ation.
 SANS (IEC) 60079-11: SANS (IEC) 60079-18: SANS (IEC) 60079-28: SANS (IEC) 60079-31: Note: This certificate covers is up to the manufacturer to Special conditions of safe Refer to Annex A below Conditions of manufacture Refer to Annex A below 	2015 Equipment protection 2012 Equipment protection 2022 Protection by encap 2016 Protection of equipm 2014 Equipment dust ignionly the listed standards and do ensure that the product complien use "X": for more details. for more details. for more details. AGEN BECALLIST This certificate covers all units s ts of the MHS Act and the OHS Act, production 2012 Protection by encap 2016 Protection by encap 2017 Protection by encap 2018 Protection b	on by flameproof e on by intrinsic safe sulation "m" nent and transmis tion protection by <i>bes not imply com</i> <i>s to all relevant st</i>	ty "i" sion systems using op enclosure "t" pliance to any other st andards for the applic. N. VILOJEN TECHNICAL OFF GAN remains valid. protected equipment are requ	andard, related or inferred. It ation.
 SANS (IEC) 60079-11: SANS (IEC) 60079-18: SANS (IEC) 60079-28: SANS (IEC) 60079-31: Note: This certificate covers is up to the manufacturer to Special conditions of safe Refer to Annex A below Conditions of manufacture Refer to Annex A below 	2015 Equipment protection 2012 Equipment protection 2022 Protection by encap 2016 Protection of equipm 2014 Equipment dust ignionly the listed standards and do ensure that the product complien use "X": for more details. for more details. for more details. AGEN BECALLIST This certificate covers all units s ts of the MHS Act and the OHS Act, production 2012 Protection by encap 2016 Protection by encap 2017 Protection by encap 2018 Protection b	on by flameproof e on by intrinsic safe sulation "m" nent and transmis tion protection by bes not imply com s to all relevant st old as long as the QAR. ction units of explosion or batch testing by an a	ty "i" sion systems using op enclosure "t" pliance to any other st andards for the applic. N. VILOJEN TECHNICAL OFF QAN remains valid. protected equipment are requ accredited test laboratory).	andard, related or inferred. It ation.
 SANS (IEC) 60079-11: SANS (IEC) 60079-18: SANS (IEC) 60079-28: SANS (IEC) 60079-31: Note: This certificate covers is up to the manufacturer to Special conditions of safe Refer to Annex A below Conditions of manufacture Refer to Annex A below 	2015 Equipment protection 2012 Equipment protection 2022 Protection by encap 2016 Protection of equipm 2014 Equipment dust ignit only the listed standards and de ensure that the product complient use "X": for more details. for more details. for more details.	on by flameproof e on by intrinsic safe sulation "m" nent and transmis tion protection by bes not imply com s to all relevant st old as long as the QAR. ction units of explosion or batch testing by an a	ty "i" sion systems using op enclosure "t" pliance to any other si andards for the applic. N. VILOJEN TECHNICAL OFF GAN remains valid. protected equipment are requ accredited test laboratory).	andard, related or inferred. It ation.
 SANS (IEC) 60079-11: SANS (IEC) 60079-18: SANS (IEC) 60079-28: SANS (IEC) 60079-31: Note: This certificate covers is up to the manufacturer to Special conditions of safe Refer to Annex A below Conditions of manufacture Refer to Annex A below 	2015 Equipment protection 2012 Equipment protection 2022 Protection by encap 2016 Protection of equipm 2014 Equipment dust ignit only the listed standards and do ensure that the product complien use "X": for more details. for more details. HAGEN PECIALIST This certificate covers all units s its of the MHS Act and the OHS Act, produ assurance (an approved mark scheme Apparatus in hazardous locat as applicable, v SANS 10	old as long as the QAR action units of explosion or batch testing by an a biomedia subject to the vision protection by the second imply com s to all relevant st old as long as the QAR action units of explosion or batch testing by an a bioms is subject to the visich shall be adhere 0.86 requirements;	ty "i" sion systems using op enclosure "t" pliance to any other st andards for the applic. N. VILOJEN TECHNICAL OFF QAN remains valid. protected equipment are requ accredited test laboratory).	andard, related or inferred. It ation.
 SANS (IEC) 60079-11: SANS (IEC) 60079-18: SANS (IEC) 60079-28: SANS (IEC) 60079-31: Note: This certificate covers is up to the manufacturer to Special conditions of safe Refer to Annex A below Conditions of manufacture Refer to Annex A below 	2015 Equipment protection 2012 Equipment protection 2022 Protection by encap 2016 Protection of equipm 2014 Equipment dust ignit only the listed standards and do ensure that the product complied use "X": for more details. for more details. for more details. This certificate covers all units s its of the MHS Act and the OHS Act, produ- assurance (an approved mark scheme Apparatus in hazardous locat as applicable, v SANS 10 Any conditions men	old as long as the QAR, action units of explosion or batch testing by an a sto all relevant st biological as long as the QAR, action units of explosion or batch testing by an bions is subject to the vhich shall be adhere 086 requirements; tioned in the above c	ty "i" sion systems using op enclosure "t" pliance to any other st andards for the applic When the applic N. VILOJEN TECHNICAL OFF QAN remains valid. protected equipment are required teccredited test laboratory).	andard, related or inferred. It ation.
 SANS (IEC) 60079-11: SANS (IEC) 60079-18: SANS (IEC) 60079-28: SANS (IEC) 60079-31: Note: This certificate covers is up to the manufacturer to Special conditions of safe Refer to Annex A below Conditions of manufacture Refer to Annex A below 	2015 Equipment protection 2012 Equipment protection 2022 Protection by encap 2016 Protection of equipm 2014 Equipment dust igni only the listed standards and do ensure that the product complien use "X": for more details. for more details. HAGEN SPECIALIST This certificate covers all units s ts of the MHS Act and the OHS Act, produ assurance (an approved mark scheme Apparatus in hazardous locat as applicable, v SANS 10 Any conditions men Any relevant req	on by flameproof e on by intrinsic safe sulation "m" nent and transmis tion protection by bes not imply com s to all relevant st old as long as the QAR action units of explosion or batch testing by an ac- ions is subject to the which shall be adhere 0.86 requirements; tioned in the above c uirements of the MH	ty "i" sion systems using op enclosure "t" pliance to any other st andards for the applic. N. VILOJEN TECHNICAL OFF QAN remains valid. protected equipment are requ accredited test laboratory). following provisions d to: ertificate; SAct;	andard, related or inferred. It ation.
 SANS (IEC) 60079-11: SANS (IEC) 60079-18: SANS (IEC) 60079-28: SANS (IEC) 60079-31: Note: This certificate covers is up to the manufacturer to Special conditions of safe Refer to Annex A below Conditions of manufacture Refer to Annex A below 	2015 Equipment protection 2012 Equipment protection 2022 Protection by encap 2016 Protection of equipm 2014 Equipment dust ignit only the listed standards and do ensure that the product complied use "X": for more details. for more details. for more details. This certificate covers all units s its of the MHS Act and the OHS Act, produ- assurance (an approved mark scheme Apparatus in hazardous locat as applicable, v SANS 10 Any conditions men	on by flameproof e on by intrinsic safe sulation "m" nent and transmis tion protection by <i>bes not imply com</i> <i>s to all relevant st</i> <i>s to all relevant st</i>	ty "i" sion systems using op enclosure "t" pliance to any other si andards for the applic. N. VILOJEN TECHNICAL OFF QAN remains valid. protected equipment are requ accredited test laboratory). following provisions d to: ertificate; S Act; pector of mines, principal	andard, related or inferred. It ation.

 $\label{eq:theta} This certificate may only be reproduced in full \\ The certificate is not transferable and remains the property of the issuing body.$

Mining And Surface Certification (Pty) Ltd Unit 5 Lelyta Park, 45 Jurg Avenue, Hennopspark, Ext 87 Centurion 0 157

IA CERTIFICATE: MASC MS/18-3256X Equipment: ExCam Series T08

(Expiry date: 08 April 2026)

Page 2 of 2

ANNEX A

This	document is based on and must be read in conjunction with certificate IECEx TUR 18.0023X.
	Description (According to Base Certificate) **
"Refer to description in	n Base Certificate ** (and any applicable schedules/issues/variations)."
Standard compliance	See Base Certificate **
Special conditions of safe use ("X")	 When installing the ExCam, the requirements of IEC 60079-14 must be applied. For Group I and T08-VA2.x.x.BOR5 models, the enclosure is only suitable with a low risk of mechanical hazard Tamb >= -30°C. All used cable glands and plugs have to be certified. The housing combinations T07-VA0.x.K1.GER and T07-VA4.x.PS1 may not be used in mining (ATEX group 1) or in areas with high mechanical hazards (ATEX group 2).
Conditions of manufacture	None.
Conditions of Certification	 This IA Certificate covers all units sold from the date of this document to the expiry date of this certificate. 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). The apparatus must be additionally marked with the MASC marking details above. 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. 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. The certification on which this IA Certificate is based must remain valid. 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. The Ex-quality assurance notification/report for the equipment must remain valid.
Conclusion:	 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 **. The routine tests for production units according to the Base Certificate ** must be complied with (if applicable).

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 errorneous statement, whether in fact or in opinion, contained in a report / certificate issued pursuant to a test / 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.

This document may only be reproduced in full. This certificate is not transferable and remains the property of the issuing body. This document will not be supported by MASC for certification purposes outside the borders of South Africa.



Germany

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

1			
Certificate No.:	IECEx TUR 18.0023X	Page 1 of 4	Certificate history:
Status:	Current	Issue No: 2	Issue 1 (2020-08-06) Issue 0 (2018-10-16)
Date of Issue:	2021-11-11		
Applicant:	SAMCON Prozessleittechnik GmbH Schillerstraße 17 D-35102 Lohra-Altenvers Germany		
Equipment:	ExCam Series T08		
Optional accessory:			
Type of Protection:	db tb		
Marking:	Ex db I Mb*		
	Ex db IIC T6 Gb*		
	Ex tb IIIC T80°C Db*		
	* see marking and annex		
		.	
Approved for Issue of Certification Body:	n behalf of the IECEx	Christian Mehrhoff	
Position:		Assigned certifier	
Signature: (for printed version)			
Date:			
(for printed version)			
1 This certificate and	chedule may only be reproduced in full.		
This certificate is not	transferable and remains the property of the issuing boo enticity of this certificate may be verified by visiting www	dy. .iecex.com or use of this QR Code.	
Certificate issued	l by:		
	d Industrie Service GmbH		
Am Grauen Stei 51105 Cologne	n		TÜVDESEL®
Gormony			TUVRheinland



IECEx Certificate of Conformity

Certificate No.:	IECEX TUR 18.0023X	Page 2 of 4
Date of issue:	2021-11-11	Issue No: 2
Date of issue.	2021-11-11	1550C NO. 2
Manufacturer:	SAMCON Prozessleittechnik GmbH Schillerstraße 17 D-35102 Lohra-Altenvers Germany	
Manufacturing locations:		
IEC Standard list belo found to comply with t	ed as verification that a sample(s), representative of production, wa w and that the manufacturer's quality system, relating to the Ex pro he IECEx Quality system requirements.This certificate is granted s Operational Documents as amended	ducts covered by this certificate, was assessed and
STANDARDS : The equipment and ar to comply with the follo	ny acceptable variations to it specified in the schedule of this certific owing standards	cate and the identified documents, was found
IEC 60079-0:2017 Edition:7.0	Explosive atmospheres - Part 0: Equipment - General requiremen	ts
IEC 60079-1:2014-06 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flamepro	oof enclosures "d"
IEC 60079-11:2011 Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic	c safety "i"
IEC 60079-18:2017 Edition:4.1	Explosive atmospheres - Part 18: Protection by encapsulation "m"	
IEC 60079-28:2015 Edition:2	Explosive atmospheres - Part 28: Protection of equipment and tra	nsmission systems using optical radiation
IEC 60079-31:2013 Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection	on by enclosure "t"

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:

DE/TUR/ExTR18.0023/02

Quality Assessment Report:

DE/BVS/QAR14.0006/06



IECEx Certificate of Conformity

Certificate No .:

IECEx TUR 18.0023X

2021-11-11

Date of issue:

Page 3 of 4 Issue No: 2

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The ExCam Series is an electrical device that is protected by a pressure-resistant (Ex-d) enclosure.

The flameproof housings not only make the device flameproof but also robust for a variety of industries and applications.

Within the pressure-resistant enclosure, various camera modules and lenses, reflecting different technical specifications, are installed.

Accessory components such as PTC heating elements, fans, NIR LEDs, lighting devices, mechanical components, and clamps are optional. Furthermore, the ExCam Series can be used in combination with other IECEx device certified modules such as HF-barriers, cable glands, media-converter, or certified lighting devices ([op is]).

SPECIFIC CONDITIONS OF USE: YES as shown below:

- 1. When installing the ExCam, the requirements of IEC 60079-14 must be applied.
- 2. For Group I and T08-VA2.x.x.BOR5 models, the enclosure is only suitable with a low risk of mechanical hazard Tamb >= -30°C.
- 3. All used cable glands and plugs have to be certified.
- 4. The housing combinations T07-VA0.x.K1.GER and T07-VA4.x.PS1 may not be used in mining (ATEX group 1) or in areas with high mechanical hazards (ATEX group 2).



Date of issue:

IECEx Certificate of Conformity

Certificate No.: IECEx TUR 18.0023X

Page 4 of 4

Issue No: 2

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above) Adding the Model T08-VA0.4.K1.GER

Annex:

IECEx_TUR_18.0023_X_00_Attachment.annex2.pdf

2021-11-11



Attachment to Certificate IECEx TUR 18.0023X Issue 2

Device: Type:	ExCam Ser T08	i es (details refer to technical data section)
Manufacturer:	SAMCON P	Prozessleittechnik GmbH
Address:	Schillerstra 35102 Lohr	aße 17 a- Altenvers, Germany

General product information:

Adding the Models .T08-VA0.4.K1. GER

Technical Data:

Maximum ambient temperature range:

Model:	Maximum ambient temperature range
T08-VA0.4.K1.GER::	$-20^{\circ}C \le T_{amb} \le +xxx^{\circ}C^{**}$

** See power tables, type plate, model key and installation-/user manual!