





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

	MASC S/21-9041	x			0		
Issue Date	10 December 2021		Expiry Date		10 December 2024		
** Based on Certificate No	IECEX SIR 20 0011Y		Issue / Variatio		ns / Amendment	1	
Requested by	VEGA Grieshaber KG Am Hohenstein 113, 77761 Schiltach Germany						
Manufacturer	VEGA Grieshaber KG, Am Hohenstein 113, 77761 Schiltach, Germany						
Additional Manufacturing	VEGA Americas. Inc. 4241 Allendorf Drive. Cincinnati. Obio 45209. United States of America						
sites	VEGATAMONARD, mo, 4241 Allendon Drive, Olifonniau, Onio 45203, Onited States Of Allenda						
Description	The level switch se	The level switch series VEGAPOINT 21 VEGAPOINT 23 and VEGAPOINT 31 are for use in					
	explosive dust atm	nospheres in ty	pe of prot	ection "t	a/tb", when installed in a	suitable barrier	
	between Zone 20	and 21 and in t	ype of pro	otection	"tb". The sensor tip woul	d be installed via the	
	thread of the stain	less-steel encle	sure in Z	one 20 (or Zone 21 and the other	part of the	
	equipment would I	be in Zone 21.					
	Refer to the Annex A for other important information						
Equipment	Level Switch series Type VEGAPOINT 21, VEGAPOINT 2				T 23 and		
	11			VEGA	APOINT 31		
MARKING:	Туре:	As above					
Original marking as per	Ex Marking:	Certificatio	n code p	lastic ve	ersion:		
certificate ** remains		Ex ta/tb IIIC	T200 130	0°C/T10	0°C Da/Db		
applicable.	Ex tb IIIC T120°C/T100°C Db						
IA number must be added.		Certificatio	n code s	tainless	steel version:		
		Ex ta/tb IIIC	1200 130	J°C/111	0°C Da/Db		
	14 Manuals and	EX to TILC 1	120°C/11		alterna di concentra al concentra di	(in m = m 4)	
	IA NUMber:	IVIASC S/21	-9041X (1	o be ad	ditionally marked on equ	lipment)	
Ovelity Assumption and and (O	warnings:	See Base C	ertificate	(origir	hai marking must be app	lied)	
Quality Assurance report (Q.	AR) / Notification	DE/TUN/QA	KU6.000	2/10			
(QAN) Expiry date.							
The equipment as described a	hove has been allocs	ted the rating	Explosion	Protect	ed 'as above' utilizing the	SANS/IEC	
Standarde:		ated the rating		FIULECL	eu as above utilizitig th	e SANG/IEC	
 SANS (IEC) 60079-0: 2019 	(2017) Equipment -	General requir	ements				
 SANS (IEC) 60079-31: (20) 	14) Evolosive atmos	beres - Part 3	1 · Equipm	ont duet	ignition protection by er	olosure "t"	
Note: This certificate covers of	nly the listed standar	ds and does n	of imply c	omnliand	ce to any other standard	related or inferred It	
is up to the manufacturer to en	nsure that the produc	t complies to a	ll relevan	t standa	rds for the application.		
Special conditions of safe us	se "X":						
 Refer to Annex A below for 	or more details.						
Conditions of manufacture:							
 Refer to Annex A below for 	or more details.						
Arcigono.					Alio		
(CION NO.					Star		
Terine C	rsmond		Regardt Zeelie				
PROJECT	MANAGER				TECHNICAL SPECIALI	ST	
According to the relevant requirements	This certificate cove of the MHS Act and the OH	ers all units sold as I	ong as the Q	AR/QAN re	emains valid. ted equipment are required to co	moly with third party quality	
· · · · · · · · · · · · · · · · · · ·	assurance (an approved n	nark scheme or bate	h testing by	an accredi	ted test laboratory).		
						Page 1 of 3	
Apparatus in hazardous locations is subject to the following provisions							
as applicable, which is shall be adhered to:							
Any conditions matrixed in the advance satisficates							
Any conditions mentioned in the above certificate; Any relevant requirements of the MHS Act							
Any restrictions and conditions enforced by the chief inspector of mines principal							
inspector (Group Lequipment) or chief inspector of factories (Group II equipment).							
	This co	rtificate may only	he reprod	uced in fu	1		
	T1	/ · ·	be repres		State of the state		

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ANNEX A

This	This document is based on and must be read in conjunction with certificate IECEx SIR 20.0011X					
Description (According to Base Certificate) **						
"Refer to description in Base Certificate ** (and any applicable schedules/issues/variations)."						
Description	The level switch series VEGAPOINT 21, VEGAPOINT 23 and VEGAPOINT 31 are for use in explosive dust atmospheres in type of protection "ta/tb", when installed in a suitable barrier between Zone 20 and 21 and in type of protection "tb". The sensor tip would be installed via the thread of the stainless-steel enclosure in Zone 20 or Zone 21 and the other part of the equipment would be in Zone 21.					
	They are used for detection of a product surface in contact with the sensor by means of frequency deviation method. The construction of VEGAPOINT 21 and 31 is identical. The sensors have a different software function. VEGAPOINT 23 has the difference to the other two models that the sensor tip is extended to a length between 64 mm up to 1,000 mm.					
	There are two differ	There are two different versions available: The "plastic version" and the stainless-steel version".				
	The enclosure of the plastic version is made of stainless steel with the exception of the non-metallic cover part, which contains the socket. This part is protected by a non-metallic protective cover. In addition, also the cap of the probe, which is in the process, is made of a non-metallic material.					
	The stainless-steel version is completely made of stainless steel with the exception of the cap of the probe and the compound of the socket. In addition, the stainless-steel version has no protective cover, which is just optional. The housing and connection part (cover) are welded together.					
	The VEGAPOINT 21, VEGAPOINT 23 and VEGAPOINT 31 are suitable for the following maximum ambient temperatures in relation to process temperatures. The process temperature range is -40 °C to +115 °C. The equipment has been separately tested against the requirements of IEC 60529 and it meets IP6X, IPX6, IPX8, IPX9.					
	Plastic Version:	Plastic Version:				
	Г	Process temperature	Maximum allowed ambient t	temperature		
	l t	-40°C to 90°C	70°C			
		≤ 95°C	67°C			
		≤ 100°C	63°C			
		≤ 105°C	58°C			
	+	≤ 110°C	54°C			
	L	≤ 115°C	50-0			
	Stainless steel version:					
	Process temperature Maximum allowed ambient temperature		temperature			
	-40 °C to 110 °C		70°C			
	≤ 115 °C 68°C					
	Assignment of maximum surface temperature The equipment is marked with two maximum surface temperatures divided by a "/". The temperature before the "/" indicates the temperature applicable to the senor tip and the temperature behind the "/" indicates the temperature of the enclosure beyond the thread as per table below.					
	Version	Certification Code	Maximum surface temperature – Sensor tip	Maximum surface temperature – Enclosure (beyond the thread)		
	Plastic Version	Ex ta/tb	130°C	100°C		
		Ex tb	120°C	100°C		
	Stainless steel	Ex ta/tb	130°C	110°C		
	version	Ex tb	120°C	110°C		
Standard compliance	See Base Certificat	e **				
Special conditions of safe use ("X")	 The equipment incorporates different ambient and process temperature ranges, follow the instruction manual regarding temperature limitations. If the socket is not connected to a plug it shall be protected from environmental influences. 					
		This descent of a plug it i	shan be prototed from environ			

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.

Mining And Surface Certification (Pty) Ltd Reg No: 2015/021934/07 Directors: Roelof Viljoen & Francoius du Toit Unit #5, Lelyta Park, 45 Jurg Avenue, Hennopspark Ext 87, Centurion, 0157 P.O. Box 14344, Clubview, 0014 Tel: 012 653 2959 ◊ Fax: 086 605 8568 e-mail: info@masc-ex.co.za

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	 The sensor tip of the equipment shall be protected from UV light. The M12 socket of the stainless-steel version shall be protected from UV light. Follow the instruction manual to avoid electrostatic charge of non-metallic enclosure materials. The equipment shall be permanently connected to earth via the process connection. The equipment was tested to the low risk of mechanical danger, special advises are given in the instruction manual.
Conditions of	The Manufacturer shall comply with the following:
manufacture	shown in the instruction manual of the equipment.
	The ambient and process temperature ranges as in the product description shall be shown in the instruction manual of the equipment.
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 extent of the requirements in the ARP 0108 (or regulations), SANS 10108 and any other applicable regulations on the certification/report for the equipment 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.

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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 comples with the documentation and standard(s).

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