

INTERNATIONAL ELECTROTECHNICAL COMMISSION

IEC Certification System for Explosive Atmospheres

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

Certification No:: IECEX SIG 18.0003X Page 1 of 4 Certification Instructs. Status:: Current Issue No: 2 Issue 0 (2018-02-02) Applicant:: R: STALL Schaltgeräte GmbH Am Bahnhof 30, 74383 Waldenburg Germany Issue No: 2 Issue 0 (2018-02-02) Equipment: Ammeter, type: 3402/6 Optional accessory: Type of Protection: Intrinsic safety "I" Marking: Ex ib IIC T4T6 Gb Solgan Pečavar Approved for issue on behalf of the IECEX Bojan Pečavar Certification Body: Certification Manager Signature: (for printed version) Date: Certification manager (for printed version) Date: 21: This certificate and schedule may only be reproduced in full. 1: This certificate insurbe/site of foundity were independent on or use of this OR Code. Certificate insurbed by: Status and Metadopov (SiD)				
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Date: (for printed version)	Signature: (for printed version)			
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SI-1000 Ljubljana Slovenia





Certificate No .:	IECEx SIQ 18.0003X	Page 2 of 4
Date of issue:	2023-02-10	Issue No: 2
Manufacturer:	R. STAHL Schaltgeräte GmbH Am Bahnhof 30, 74638 Waldenburg Germany	
Manufacturing locations:	ISKRA, d.o.o., PE MIS Ljubljanska cesta 24a Kranj SI-4000 Slovenia	

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 60079-11:2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i" Edition:6.0

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 Reports:

SI/SIQ/ExTR18.0003/00

SI/SIQ/ExTR18.0003/01

Quality Assessment Report:

DE/BVS/QAR10.0002/18



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Ammeter, type: 8402/6, is used for measurement and display of current values in hazardous area. It is intended to be used in intrinsically safe circuit with the standardized signals from 0 to 20 mA. Moving coil is used as measuring system.

Manufacturer's instructions:

Ammeters for Ex i circuits 8402/6 (BQ0307), Certification Operating Instruction 8402 0 000 023 0, Version: 2.0, R. STAHL Schaltgeräte GmbH, 9. 5. 2022

Technical details:

See Annex.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- · Ammeters are suitable for following temperature classes within corresponding ambient temperature ranges:
 - temperature class T4 ... -55°C ≤ T_{amb} ≤ +70°C
 - temperature class T5 ... -55°C \leq T_{amb} \leq +55°C
 - temperature class T6 ... -55°C \leq T_{amb} \leq +40°C
- · Ammeter shall only be cleaned with damp or electrostatically dissipative cloth.



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Date of issue:

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above) - New editions of standards were considered.

- Minimum service temperature was decreased from -40°C to -55°C.

Annex:

Annex_to_IECEx_SIQ_18.0003X_Issue_2.pdf





Technical details:

Ammeter	Туре: 8402/6	
Measuring range	20 mA d.c., 0…20 mA	
	20 mA d.c., 4…20 mA	
Intrinsically safe parameters:		
- Nominal current	I _n = 20 mA	
- Maximum short circuit current	l _i = 160 mA	
- Internal resistance	$R_i = 3 \Omega$	
- Internal inductance	Li = 90 µH	
- Internal capacitance	$C_i = 0$	
Housing – connection and	Polyamide or Polycarbonate	
terminals holder		
Ingress protection with terminal	IP20	
cover		
Movement	Moving coil	
Mounting	TS35 mounting rail	
Rated insulation voltage		
- Built in additional housing IP20	690 V r.m.s.	
- Built as independent device	300 V r.m.s.	
Connection - wiring	Solid: 0.34 mm ² 6 mm ² (AWG 22 10)	
	Finely stranded or stranded: 0.34 mm ² 4 mm ² (AWG 22 12)	
Terminal clamp tightening torque	1.2 Nm	