IECEX	IECEx Certificate of Conformity							
	INTERNATIONAL EL IEC Certification Sy for rules and details of	ECTROTECHNICAL COMMISSION stem for Explosive Atmospheres of the IECEx Scheme visit www.iecex.com	ж. ж					
Certificate No.:	IECEX PTB 21.0026X	Page 1 of 3	Certificate history:					
Status:	Current	Issue No: 0						
Date of Issue:	2022-04-11		÷					
Applicant:	R. STAHL Schaltgeräte GmbH Am Bahnhof 30 74638 Waldenburg Germany		e V					
Equipment:	Maintenance socket type 8570/51-***	*-*(-*)						
Optional accessory:								
Type of Protection:	Flameproof Enclosure "db", Increas	ed Safety "eb" and Protection by Enclosure "tb"						
Marking:	Ex db eb IIC T6 T5 Gb Ex tb IIIC T73 °C Db							
			ν α					
a de la companya de la								
÷								
			,					
Approved for issue of Certification Body:	n behalf of the IECEx	Dr. Ing. Detlev Markus						
Position:		Head of Department "Explosion Protection	in Energy Technology"					
Signature: (for printed version)		D. huti						
Date: (for printed version)		14.24.22						
 This certificate and s This certificate is not The Status and authority 	cchedule may only be reproduced in full. transferable and remains the property of the iss enticity of this certificate may be verified by visiti	uing body. ng www.iecex.com or use of this QR Code.						
Certificate issued Physikalisch-Te Bundesallee 100 38116 Braunsch Germany	l by: chnische Bundesanstalt (PTB)) weig	Physikalisch-Tr Braunschweig	PTB schnische Bundesanstalt und Berlin					

IECEx Certificate of Conformity Page 2 of 3 Certificate No.: **IECEX PTB 21.0026X** Issue No: 0 Date of issue: 2022-04-11 Manufacturer: R. STAHL Schaltgeräte GmbH Am Bahnhof 30 74638 Waldenburg Germany **R. STAHL Schaltgeräte GmbH** Manufacturing Am Bahnhof 30 locations: 74638 Waldenburg Germany 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 IEC 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e" Edition:5.1 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/PTB/ExTR21.0040/00

Quality Assessment Report:

DE/BVS/QAR10.0002/17



IECEx Certificate of Conformity

Certificate No.:

Page 3 of 3

Date of issue:

IECEX PTB 21.0026X

Issue No: 0

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

2022-04-11

The maintenance socket type 8570/51-***-*(-*) is used for connection of portable and fixed electrical equipment. The maintenance socket is explosion-protected electrical apparatus. They are used for commissioning portable and permanently installed non-explosion-protected electrical apparatus, or plugs and socket receptacles located within hazardous areas during periods when a potentially explosive atmosphere is not present (e.g. during repair and maintenance work).

The maintenance socket type 8570/51-***-*(-*) is identical with the Wall Socket type 8570/**-*** which have its own certificate according to IECEx.

For more information see annex.

SPECIFIC CONDITIONS OF USE: YES as shown below:

The maintenance socket can only be used within hazardous areas during periods when a potentially explosive atmosphere is not present (e.g. during repair and maintenance work).

The maintenance socket can only be use by the plant operator or his authorized agents of the area.

The switch to activate the maintenance socket isolator shall be secured by means of a lock which can only be opened by the plant operator or his authorized agents of the area.

Annex:

COCA210026X-00.pdf



Attachment to Certificate IECEx PTB 21.0026 X, Issue 0



Applicant:

R. STAHL Schaltgeräte GmbH Am Bahnhof 30 74638 Waldenburg Germany

Electrical Apparatus:

Maintenance socket type 8570/51-***-*(-*)

Description

The maintenance socket type 8570/51-***-*(-*) is used for connection of portable and fixed electrical equipment.

The maintenance socket is explosion-protected electrical apparatus. They are used for commissioning portable and permanently installed non-explosion-protected electrical apparatus, or plugs and socket receptacles located within hazardous areas during periods when a potentially explosive atmosphere is not present (e.g. during repair and maintenance work).

The maintenance socket type 8570/51-***-*(-*) is identical with the Wall Socket type 8570/***** which have its own certificate according to IECEx.

Nomenclature

8570	1	*	*	-	*	**	-	*	(-*)
а	b	C	d		е	f		a	h

- a Type series
- b Version:
 - / complete device packed
 - A assembly internal
- c Design
 - 5 Maintenance Socket
- d Device:
 - 1 Wall mounting socket
- e Number of Poles:
 - 3 1P + N + PE
 - 4 3P + PE
 - 5 3P + N + PE

f Code for pin orientation and voltage

- g B: silicone free
 - S: containing silicone

h Sign (- *) can contain 0-xx characters, including the separators "-", "/" or ". ". Additional parameters that do not affect the explosion protection of the equipmentg special versions



Attachment to Certificate IECEx PTB 21.0026 X, Issue 0



Ambient temperature

For Wall Socket type 8570/*1-*** and Coupler Socket type 8570/*6-***:

-50°C≤ Tamb ≤ +35 °C...+65 °C / T6 ... T5 by current range 6 A ... 16 A (20 A)

 $50^{\circ}C \le \text{Tamb} \le +35^{\circ}C...+60^{\circ}C / T6 ... T5$ by current range 6 A ... 16 A (20 A) valid for use of metal plate or terminal of auxiliary contact with adhesive D0213

Service temperature

For Wall Socket type 8570/*1-*** and Coupler Socket type 8570/*6-***:

- 50°C \leq Ts \leq +60°C (valid for use of metal plate or terminal of auxiliary contact with adhesive D0213)

- $50^{\circ}C \le Ts \le +75^{\circ}C$ (for the enclosure)
- $50^{\circ}C \le Ts \le +95^{\circ}C$ valid for contact sleeve carrier

Electrical Data

Table 1: 8570/51

	Main c	ontacts	Auviliary contacto		
	3 poles	4, 5 poles	Auxiliary contacts		
Max. rated operational voltage	500 V AC / 110 V DC	690 V AC / 110 V DC	500 V AC / 110 V DC		
Max. rated insulation voltage	550 V AC	750 V AC	550 V AC		
Max. rated operational current	16 A ,	/ 20 A	6 A		
Switching capacity	AC-3, 690 V, 16 A AC-3, 500 V / 20 A 4 kW, 200 250 V 7.5 kW, 380 500 V 11 kW, 600 690 V DC-1, 110 V, 16 A		AC-15, 500 V, 1250 VA AC-15, 230 V, 1380 VA AC-12, 500 V, 3000 VA DC-13, 110 V, 110 W		
Max. rated frequency	0 500 Hz				
Short-circuit protection	16 A gG (without thermal protection) 35 A gG (with thermal protection)				
Terminal capacity for flange socket type 8570/*5-**	1 or 2 x 1.5 6 mm ² (16 10 AWG) solid 1 or 2 x 1.5 4 mm ² (16 12 AWG) stranded				
Terminal capacity for auxiliary contacts	1 or 2 x 0.5 2.5 mm ² (20 14 AWG) solid or stranded				
PE conductor size	Same or larger than line / load cross section				
Tightening torque Tightening torque Fixing screws of the flange socket: 2.3 Nm Fixing screws of the enclosure cover: 1.8 N					

Note: Stranded wires are suitable with or without wire end ferrules.





Notes for installation and operation

- 1. The maintenance socket type 8570/51-***-*(-*) can only be used within hazardous areas during periods when a potentially explosive atmosphere is not present (e.g. during repair and maintenance work).
- 2. The maintenance socket type 8570/51-***-*(-*) can only be use by the plant operator or his authorized agents of the area.
- 3. The switch to activate the maintenance socket shall be secure by means of a lock which can only be open by the plant operator or his authorized agents of the area.
- 4. Openings that are not used must be closed in compliance with the specifications of the standards listed on the cover sheet.
- 5. In order to ensure the ingress protection IP, the bayonet ring of the plug must be screwed up to the stop to the socket or the hinged cover of the socket must be closed and screwed up to the stop when the plug is not inserted. The cover of the terminal compartment must be fastened with the appropriate torque.
- 6. The maintenance socket type 8570/51-***-*(-*) must not be used in dust areas where highly charge-generating processes, machine friction and separation processes, electron spraying (e.g. around electrostatic coating systems) and pneumatically conveyed dust occur.
- 7. The connecting cable of the maintenance socket type 8570/51-***-*(-*) shall be fixed and routed so that it will be adequately protected against mechanical damage.
- 8. Installation of electrical components requires a further assessment by an ExCB.

This information must accompany each device in an adequate form.

The user shall be informed of the following conditions in an appropriate form, e.g. with a note included in the operating instructions:

"WARNING – POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUC-TIONS"

"WARNING – USE ONLY BY THE PLANT OPERATOR OR HIS AUTHORIZED AGENTS OF THE AREA – SEE INSTRUCTIONS"

"WARNING – IN ORDER TO ENSURE THE INGRESS PROTECTION IP, THE BAYONET RING OF THE PLUG MUST BE SCREWED UP TO THE STOP TO THE SOCKET AND THE HINGED COVER OF THE SOCKET MUST BE CLOSED AND SCREWED UP TO THE STOP WHEN THE PLUG IS NOT INSERTED. THE COVER OF THE TERMINAL COM-PARTMENT MUST BE FASTENED WITH THE APPROPRIATE TORQUE"

"WARNING - THE MAINTENANCE SOCKET TYPE 8570/51-***-* IS TO BE SECURED FOR SWITCHING WITH THEHELP OF A PADLOCK. SWITCHING ON AND OPERATING THE MAINTENANCE FLANGE SOCKET IS ONLY PERMITTED IF THERE IS NO EX ATMOS-PHERE PRESENT.

Commissioning a maintenance socket type 8571/51-***-*requires the approval of the plant operator or his authorized agents.

The word "Warning" must be added to the text of the warning label.