



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2021312308000115

Applicant R. STAHL Schaltgeräte GmbH
Address Am Bahnhof 30, 74638 Waldenburg, Germany
Manufacturer R. STAHL Schaltgeräte GmbH
Address Am Bahnhof 30, 74638 Waldenburg, Germany
Production Factory R. STAHL Schaltgeräte GmbH
Production Address Am Bahnhof 30, 74638 Waldenburg, Germany
Product Flange socket
Model/Type 8571/**-***-*(-*)
Ex marking Ex db eb IIC Gb / Ex eb IIC Gb, Ex tb IIIC Db
Reference Standards GB/T 3836.1-2021, GB/T 3836.2-2021, GB/T 3836.3-2021,
GB/T 3836.31-2021

Certification mode Type Test + Initial Factory Inspection + Post-Certification Surveillance

The sample(s) is verified and certified according to CNCA-C23-01: 2019 *China Compulsory Certification Implementation Rule on Explosion Protected Electrical Product* and CNEX-C2301-2019 *Guideline of China Compulsory Certification Implementation Rule on Explosion Protected Electrical Product*.

See Annex for the detailed product information (6 pages).

Initial issue date: 2022-02-10

Issued date: 2023-04-24

Valid to: 2027-02-09

The Validity of this certificate is maintained through the regular supervision of the issuing authority during the validity period.

Where any discrepancy arises between the English translation and the Original Chinese version, the Chinese version shall prevail.

Director:



Nanyang Explosion Protected Electrical
Apparatus Research Institute Co.,Ltd.



<http://www.ccc-cnex.com>
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CN 0001959



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Product information:

1. This certificate covers the following models:

- 8571/**-****(-*)

Nomenclature:

8571	/	*	*	-	*	**	-	*	(-*)
a	/	b	c	-	d	e	-	f	g

a: Type series

b: Design:

- 1 = Standard
- 2 = North America
- 5 = Maintenance socket

c: Device:

- 5 = Flange socket - enclosure
- 8 = Flange socket - cover

d: Poles:

- 4 = 3P + PE
- 5 = 3P + N + PE

e: Position for earth contact and voltage / frequency / colour

f: Sealing material

- B = silicon free
- S = containing silicone

g Denotes any number or character (Not affecting Ex performance)

Ambient temperature:

For flange socket and maintenance flange socket type 8571/*5-****(-*):
-50°C ≤ Tamb ≤ +40°C ... 65°C / T6 ... T5 by current range 16 A...32A

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For flange socket type 8571/*8-***-*(-*):
-50°C ≤ Tamb ≤ +40°C ... 65°C / T6 ... T5 by current range 16 A ... 32A

Service temperature:

For flange socket and maintenance flange socket type 8571/*5-***-*(-*):

-50°C ≤ Ts ≤ +75°C (for the enclosure)

-50°C ≤ Ts ≤ +95°C (for the switch insert)

For flange socket type 8571/*8-***-*(-*):

-50°C ≤ Ts ≤ +75°C (for the enclosure)

-50°C ≤ Ts ≤ +95°C (for the contact sleeve carrier)

Electrical Data:

8571/*5-***-*(-*):

	Main contacts	Auxiliary contacts
	4, 5 poles	
Rated operational voltage	690V AC/110V DC	500V AC / 110V DC
Rated insulation voltage	750V AC	550V AC
Rated operational current	32A	6A
Switching capacity	AC-3, 690 V, 32 A 7.5 kW, 220 - 240 V 15 kW, 380 - 415 V 30 kW, 600 - 690 V DC-1, 110 V, 32 A	AC-15, 500 V, 1250VA AC-15, 230 V, 1380VA AC-12, 500 V, 3000VA DC-13, 110 V, 110 W
Rated frequency	0-500Hz	

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Short-circuit protection	35A gG
Terminal capacity for Flange socket type 8571/*5-**	1 or 2 x 2.5 ... 10 mm ² (14 ... 8 AWG) solid 1 or 2 x 2.5 ... 6 mm ² (14 ... 10 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	Terminals: max. 1.6 Nm, 2 Nm for 2 x 10 mm ² Fixing screws of the flange socket: max. 2.3 Nm

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

8571/*8-***-*(-*):

	Main contacts
	4, 5pole
Rated operational voltage	690V AC/110V DC
Rated insulation voltage	750V AC
Rated operational current	32A
Rated frequency	0-500Hz
Short-circuit protection	35A gG
Terminal capacity for Flange	4 mm ² (12 AWG) stranded and

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socket type 8571/*5-**	6 mm ² (10 AWG) stranded
PE conductor size	Same or larger than line / load cross section
Tightening torque	Terminals: max. 1.6 Nm Fixing screws of the flange socket: max. 2.3 Nm

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

When mounted and cover closed or plug inserted: IP64
Cover must be closed carefully when plug is not inserted to maintain ingress protection.
The plug shall be free from water and dust before is inserted to the flange socket.

Ex marking:

8571/*5-***-*(-*): Ex db eb IIC Gb, Ex tb IIIC Db

8571/*8-***-*(-*): Ex eb IIC Gb, Ex tb IIIC Db

- Producers should organize production in accordance with the technical documents approved by the certification body.

2. Specific conditions of safety use:

- Openings that are not used must be closed in compliance with the specifications of the Standards, and CCC certified cable gland or stopping plug must be applied (as applicable).
- The flange socket and maintenance flange socket of type 8571/**-***-*(-*) shall be mounted on an enclosure that meets the requirements of an approved type of protection as specified in GB/T3836.1, section 1. The degree of protection IP will only be safeguarded if the flange socket is properly installed. The enclosure must be suited for the operating conditions and have a CCC examination certificate.
- 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.

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- The plug shall be free from water and dust before is inserted to the flange socket.
- When mounting the flange socket or maintenance flange socket type 8571/**-***-*(-*) in an enclosure of level of protection Increased Safety "eb" in accordance with GB/T3836.3, the clearance and creepage distances specified shall duly be complied with.
- The connecting cable of the flange socket and maintenance flange socket type 8571/**-***-*(-*) shall be fixed and routed so that it will be adequately protected against mechanical damage.
- If the temperature at the input parts exceeds 70°C, temperature-resistant connecting cables shall be used.
- The maintenance flange socket type 8571/55-***-*(-*) is to be secured for switching with the help of a padlock. Switching and operating the maintenance flange socket is only permitted if there is no ex atmosphere present.
- Installation of electrical components requires a further assessment by an ExCB.
- The flange socket and maintenance flange socket 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.
- The user shall be informed of the following conditions in an appropriate form, e.g. with a note included in the operating instructions:
 - WARNING – DO NOT OPEN WHEN ENERGIZED.
 - WARNING – POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS
 - WARNING – IN ORDER TO ENSURE THE INGRESS PROTECTION IP, THE BAYONET RING OF THE PLUG MUST BE SCREWED UP TO THE

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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 COMPARTMENT MUST BE FASTENED WITH THE APPROPRIATE TORQUE.

- WARNING-TEMPERATURE AT THE ENTRY POINTS HIGHER THAN +70°C. A PROPER SELECTION OF CABLE AND CABLE GLANDS OR CONDUCTORS IN CONDUIT IS REQUIRED

WARNING - THE MAINTENANCE FLANGE SOCKET TYPE 8571/55-***-*(-*) IS TO BE SECURED FOR SWITCHING WITH THE HELP OF A PAD LOCK. SWITCHING ON AND OPERATING THE MAINTENANCE FLANGE SOCKET IS ONLY PERMITTED IF THERE IS NO EX AT MOSPHERE PRESENT.

- See instruction for other information.

3. Certificate related report(s):

- Type test report: CQST2112C003, CQST2112C003/01
- Factory inspection report: CN2022Q030187

4. Certificate change information:

- 1st change on April 24, 2023:

- (1) Updated the standards for certification.
- (2) Changing the model form 8571/**-***-* to 8571/**-***-*(-*).

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