

防爆合格证

Electrical Apparatus for Explosive Atmospheres CERTIFICATE OF CONFORMITY



国家防爆

Manufacturer Kongsberg Maritime AS
Skonnertvegen 1, 7053 Ranheim, Norway

Product SENTRY GB-300 Wireless Temperature Measuring System

Type GBP300/abccdefg

Marking Ex nA [ia Ga] IIC T5 Gc

Standard(s) --

Drawing No. 457503

The drawings, technical documents and the samples are verified and certified according to standard(s) for safety as below:

- GB 3836.1-2010 Explosive atmospheres - Part 1: Equipment - General requirements
- GB 3836.4-2010 Explosive atmospheres - Part 4: Equipment protection by intrinsic safety "i"
- GB 3836.8-2014 Explosive atmospheres - Part 8: Equipment protection by type of protection "n"

Note:

See Annex (2 pages in total).

Director

Date:

2021-12-14

Valid until:

2026-12-13



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1.This product has been certified, under certificate number IECEx PRE 18.0087X , issue 1, dated 2021-02-18 and Test report NO/PRE/ExTR18.0099/01 dated 2021-02-08.

2.Type designation and explanation of order key:

GBP300	a	b	cc	d	e	f	g
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)

(1) GBP 300 series

(2) Signal output

A = Relays×3/Modbus/CANopen

B = Relays×3/Modbus/CANopen/4-20mA

(3) Software option

K = Standard

L = Special

(4) No. Of sensors input/channels

10/16/20

(20 channels in Cabinet enclosure only)

(configurable number in use)

(5) Configuration / Labels

S = Standard*

C = Custom/order specific

=Customer specific [Letter on request]

*Standard enclosure and Marine type approval unless other is given by additional codes.

(6) Ex-version

X = Zone 2

(Standard enclosure)

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Certificate number: CNEx21.4446X

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- (7) Enclosures
 - A = Standard, enclosure
 - C = Cabinet

(8) Other

Note: (1)~(5) are basic codes (mandatory),(6)~(8) are addition codes(May be open /unused).

3. Electrical data:

- Power supply: 24VDC nom. (18-32VDC)
- Maximum safe voltage Um: 250Vrms
- Max RF pulse power out 100mW , mean RF power 140 μW, 856MHz

4. Specific conditions of use:

- Ambient temperature: -25°C to +85°C .
: -40°C to +85°C (use with STAHL cabinet item 8510/0-0400-0400-230-3311).
- The equipment does not fulfil the dielectric strength requirement according to Clause 6.3.12 of GB3836.4-2010. Special consideration must be taken under installation. See Safety Control Drawing no. GB-1233.
- Separate Ex certified Ex e IIC Gb IP54 cable gland or plugs shall be used.

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