CNEX

国家防爆

Electrical Apparatus for Explosive Atmospheres

CERTIFICATE OF CONFORMITY

Cer. No. CNEx13.0211X

Manufacturer	R. STAHL Schaltgeräte GmbH Am Bahnhof 30, 74638 Waldenburg , Germany
Name of Product	Control and Distribution Box
Type of Product	Type 8150/5 - .... - .... - ... - ....
Marking	Ex d e ia/ib [ia] [ib] ma mb q IIA, IIB, IIC T6 , T5 , T4 Gb DIP A21 TA, T6 , T5 , T4
Standard	_____
Drawing No.	8150 0 000 012 0, 8150 0 000 013 0, 8150 0 000 014 0, 8150 0 000 028 0

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 3836.2-2010 Explosive atmospheres - Part 2: Equipment protection by flameproof enclosure "d"
GB 3836.3-2010 Explosive atmospheres - Part 3: Equipment protection by increased safety "e"
GB 3836.4-2010 Explosive atmospheres - Part 4: Equipment protection by intrinsic safety "i"
GB 3836.7-2004 Electrical apparatus for explosive gas atmospheres - Part 7: Powder filling "q"
GB 3836.9-2006 Electrical apparatus for explosive gas atmospheres - Part 9: Encapsulation "m"
GB12476.1-2000 Electrical apparatus for use in the presence of combustible dust - Part 1-1: Electrical apparatus protected by enclosures and surface temperature limitation – Specification for apparatus

Note See the appendix (total 3 pages)

Valid Date From January 27, 2013 to January 26, 2018

Issue Date January 27, 2013

Director

Ex CQST NAN YANG

CHINA NATIONAL QUALITY SUPERVISION AND TEST CENTRE FOR EXPLOSION PROTECTED ELECTRICAL PRODUCTS

Address: No.20 North Zhongjing Rd, Nanyang, Henan(473008), P.R.China

Tel: 0377-63258564 Fax: 0377-63208175 Http://www.china-ex.com

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1. The products have been certified by PTB, certificate No. PTB 09 ATEX 1109, IECEx PTB 09.0049.
2. Description of equipment
   - The control and distribution box of type 8150/5 - .... - .... - ... - .... consists of enclosure out of steel or stainless steel in the type of protection Increased Safety "e" and protection by enclosure "DIP", which may be provided with flanges. Several boxes can be combined with each other.
   - It is to accommodate switch and control gear, measuring instruments, as well as terminals for Intrinsically safe and non-intrinsically safe circuits. Where required it may be fitted with actuator elements and pilot lamps. The box section for intrinsically safe circuits will be identified, e.g. by a light-blue colour.
   - Connection is by means of explosion-proof cable entries.
   - All internally and externally fitted elements are tested and certified under separate examination certificates .
3. Technical date

Rated voltage*	up to 1100V
Rated current*	max. 630A
Rated cross section*	max. 300mm^2

*) depending on type of terminal and ex-components used

Ambient temperature	dependent on the gasket
Gasket 1	-60℃ to +55℃
Gasket 2	-58℃ to +55℃
Gasket 3	-25℃ to +55℃
Protection against contact, Foreign bodies and water	IP66 according to GB4208

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- The rated values are maximum values, the actual electrical values depend on the electrical equipment incorporated. Within the scope of these maximum permissible values and with due regard to the standards, the manufacturer specifies the final rated values dependent on the system conditions, mode of operation, utilization category, etc. The characteristic values of the intrinsically safe circuits are to be given by the manufacturer on his own responsibility.

- The maximum permissible ambient temperature range of the terminal housing can be limited by the maximum permissible ambient temperature ranges of the separately certified equipment.

- The composition of the protection symbol will be based on the types of protection of components actually used.

3. Nomenclature

8150/	. -	.... -	.... -	... -	.	.	.	.
1	2	3	4	5	6	7	8	9

1: type
2: 5: control and distribution box
3: 0100 to 1200, width
4: 0100 to 2200, height
5: 060 to 800, depth
6: material
  1: 1.0330
  2: 1.4301
  3: 1.4404 or 1.4571
7: surface
  1: powder coated
  2; grinded corn 240
  3: electric polished

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8: design
1: screw cover
2: hinge/ rotary latches
3: hinge/ screw cover
9: gasket
1, 2 or 3

5. Notes for manufacturing and operation:

- Equipment of the type of protection intrinsic safety "i" is to be installed in such a way that the distances , creepage distances and clearances between intrinsically safe circuits and non-intrinsically safe circuits comply with the requirements of GB3836.4.
- When more than one intrinsically safe circuit is used, the rules for interconnection are to be observed.
- The Control and Distribution Box with a coating of polyester powder must not be used in areas affected by charge-producing processes, mechanical friction and separation processes, electron emisson (e. g. in the vicinity of electrostatic coating equipment), and pneumatically conveyed dust.

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