



防爆製品 クイックリファレンスガイド

防爆ソリューション 日本語版

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WAROM TECHNOLOGY INCORPORATED COMPANY



★ **WAROM TECHNOLOGY INCORPORATED COMPANY** is a non-regional joint-stock company in China, listed on the main board (stock code: 603855). It is located in Jiading district, Shanghai, with a registered capital of 337 million RMB. It manufactures explosion-proof electrical apparatus, which are used in factories, mines, marine environments, offshore platforms, military applications, nuclear power, etc. As the standing unit of China Electrical Equipment Industry Association, the vice-director unit of China Explosion-proof Electric Association, the member unit of China Shipping Industry Association, the member unit of China Quality Association, Shanghai Foreign Trade Association and the member unit of China Association of Lighting Industry, Warom has maintained its advantage as a company in China's explosion-proof industry for 20 consecutive years.

★ In order to be a world famous brand, Warom establishes a powerful technical team of about 500 junior and senior technicians. The products represent the first level of similar products in China. It has intellectual property rights of all our products and obtains International and Chinese patent certificates. It also registered the "WAROM" trademark in more than 30 countries in the world.

★ Warom Shanghai Industrial Park is currently the largest base for explosion-proof electrical equipment manufacturing in the industry that fully equipped with the most advanced facilities and has achieved full automation or semi-automation on production processes and equipment. The park covers an area of over 190,000 square meters with modern workshop of 160,000 square meters and more than 2,000 workers. Warom has established a CNAS certified laboratory in the explosion-proof industry with a large number of advanced testing and control equipment from materials to performance, electricity to optics, and electrical safety to electromagnetic safety, etc.

★ The company has a well-established quality assurance system and an internationally-oriented management structure. It has obtained certifications for quality management system ISO9001, environmental management system ISO14001, occupational health and safety management system ISO45001, information security management system ISO/IEC27001, information technology service management system ISO/IEC20000-1, international IECEx, EU ATEX, and Customs Union EAC systems. It has achieved certification for the measurement management system ISO10012. The products have received certifications from various international organizations such as Germany's PTB, France's LCIE, Norway's DNV, and others.

★ The products are widely used in the oil field, chemical industry, spaceflight, coal, electric power, railway, metallurgy, marine, public security, fire protection, irrigation works, city planning, telecom, diving rescue etc. and are favored by the users in 34 provinces and cities in China and more than 60 countries around the world. Therefore, Warom becomes reliable supplier and partner of famous company home and abroad and is honored with "China Inspection Exempted Product", "Famous Brand Product", "AAA Credit and Trustworthy Enterprise", etc.

★ Warom is advancing toward a world-renowned brand.

“Let Warom’s Product Speak for itself!”

“Let Product Ensure User’s Safety!”



防爆形蛍光灯器具

BAY51-Q

主な特長

- ・防爆区域向け蛍光灯器具
- ・筐体・カバーの安全機構を採用
- ・設備照明用途に対応



Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db eb q IIC T4 Gb

Ex tb IIIC T85°C Db

Europe (ATEX)

Ex II 2 G Ex de q IIC T4 Gb

Ex II 2 D Ex t IIIC T80°C Db IP66

Certificates: IECEX; ATEX; CU-TR

Material

Enclosure: GRP; Diffuser: Polycarbonate

Lamp

Lamp specification: T8 tube

Lamp power (W):

36W x 2	18W x 2
36W x 1	18W x 1

Degree of protection: IP66

防爆形LEDチューブ照明器具

BAY51-Q LED

主な特長

- ・防爆区域向けLED照明
- ・低消費電力・長寿命設計
- ・各種防爆仕様・保護等級に対応



Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db eb IIC T6 Gb

Ex db eb q IIC T5 or T6 Gb

Ex tb IIIC T80°C Db

Europe (ATEX)

Ex II 2 G Ex db eb IIC T6 Gb

Ex II 2 G Ex db eb q IIC T5 or T6 Gb

Ex II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX; CU-TR; INMETRO

Material

Enclosure: GRP; Diffuser: Polycarbonate

Lamp

Lamp specification: LED lamp tube

Lamp power (W):

9W x 1, 18W x 1, 9W x 2, 18W x 2

(LED lamp and driving power are integrated type)

14W x 1, 28W x 1, 14W x 2, 28W x 2

(LED lamp and driving power are split type)

Degree of protection: IP66

防爆形SMD LED照明器具

BAY51-Q LED

主な特長

- ・防爆区域向けLED照明
- ・低消費電力・長寿命設計
- ・各種防爆仕様・保護等級に対応



Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db eb mb IIC T6/T5 Gb

Ex tb IIIC T80°C Db

Europe (ATEX)

Ex II 2 G Ex db eb mb IIC T6/T5 Gb

Ex II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX

Material

Enclosure: GRP; Diffuser: Polycarbonate

Lamp

Lamp specification: SMD LED

Lamp power (W): 20W, 40W, 60W, 80W

Degree of protection: IP66

防爆形蛍光灯器具

BAY51

主な特長

- ・防爆区域向け蛍光灯器具
- ・筐体・カバーの安全機構を採用
- ・設備照明用途に対応



Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex d IIC T6 Gb

Ex t IIIC T80°C Db IP66

Europe (ATEX)

Ex II 2 G Ex d IIC T6 Gb

Ex II 2 D Ex tb IIIC T80°C Gb IP66

Certificates: IECEX; ATEX; CU-TR

Material

Enclosure: Copper-free aluminium alloy

Glass tube: Toughened glass

Lamp

Lamp specification: T8 tube / LED module

Lamp power (W):

T8: 18Wx1, 18Wx2, 36Wx1, 36Wx2, 58Wx1, 58Wx2

LED: 9Wx1, 9Wx2, 18Wx1, 18Wx2, 28Wx1, 28Wx2

Degree of protection: IP66

防爆形照明器具

BAY51-D

主な特長

- ・防爆区域向け照明器具
- ・視認性と耐環境性を考慮
- ・設備・保守作業用途に対応



Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db IIB T6 Gb

Ex db IIB+H₂ T6 Gb

Ex tb IIIC T80°C Db IP66

Europe (ATEX)

Ex II 2 G Ex db IIB T6 Gb

Ex II 2 G Ex db IIB+H₂ T6 Gb

Ex II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX; CU-TR

Material

Enclosure: Copper-free aluminium alloy

Glass tube: Toughened glass

Lamp

Lamp specification: T8 tube / LED module

Lamp power (W):

T8: 18Wx2, 36Wx2, 58Wx2

LED: 9Wx2, 18Wx2, 28Wx2

Degree of protection: IP66

防爆形LED照明器具

HRY92-LED

主な特長

- ・防爆区域向けLED照明
- ・低消費電力・長寿命設計
- ・各種防爆仕様・保護等級に対応



Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db IIB T6 Gb

Ex db IIB+H₂ T6 Gb

Ex tb IIIC T80°C Db

Europe (ATEX)

Ex II 2 G Ex db IIB T6 Gb

Ex II 2 G Ex db IIB+H₂ T6 Gb

Ex II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX

Material

Enclosure: Copper-free aluminium alloy

Glass tube: Toughened glass

Lamp

Lamp specification: SMD LED

Lamp power (W): 20W, 40W, 60W

Degree of protection: IP66

防爆形LED照明器具

HRY97

主な特長

- ・防爆区域向けLED照明
- ・低消費電力・長寿命設計
- ・各種防爆仕様・保護等級に対応



Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db eb mb IIC T5/T4 Gb

Ex tb IIIC T70°C/T90°C Db

Europe (ATEX)

Ex II 2 G Ex db eb mb IIC T5/T4 Gb

Ex II 2 D Ex tb IIIC T70°C/T90°C Db

Certificates: IECEX; ATEX

Material

Enclosure: Copper-free aluminium alloy

Diffuser: Polycarbonate

Lamp

Lamp specification: LED module

Lamp power (W): 20W, 40W, 60W

Degree of protection: IP66

防爆形照明器具

BnY81-LED

主な特長

- ・防爆区域向け照明器具
- ・視認性と耐環境性を考慮
- ・設備・保守作業用途に対応



Zones 2; 21&22

Explosion protection

Global (IECEX)

Ex ec mb IIC T5/T4 Gc

Ex db ec mb IIC T5/T4 Gc

Ex tb IIIC T80°C Db

Europe (ATEX)

Ex II 3 G Ex ec mb IIC T5/T4 Gc

Ex II 3 G Ex db ec mb IIC T5/T4 Gc

Ex II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX

Material

Enclosure: GRP; Diffuser: Polycarbonate

Lamp

Lamp specification: LED lamp tube / SMD LED

Lamp power (W):

LED lamp tube: 9Wx2, 14Wx2, 28Wx2

SMD LED: 20W, 40W, 60W

Degree of protection: IP66

防爆形ペンダントLED照明器具

HRY51-G/C LED

主な特長

- ・防爆区域向けLED照明
- ・低消費電力・長寿命設計
- ・各種防爆仕様・保護等級に対応



Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db eb IIC T6/T5 Gb

Ex db eb q IIC T6/T5 Gb

Ex tb IIIC T80°C Db

Europe (ATEX)

Ex II 2 G Ex db eb IIC T6/T5 Gb

Ex II 2 G Ex db eb q IIC T6/T5 Gb

Ex II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX; CU-TR; INMETRO

Material

Enclosure: Stainless steel

Diffuser: Polycarbonate

Lamp

Lamp specification: LED tubes

Lamp power (W): 9Wx2, 18Wx2, 14Wx2, 28Wx2

Degree of protection: IP66/IP67

防爆形ペンダントSMD LED照明器具

HRYS1-G/C LED

主な特長

- ・防爆区域向けLED照明
- ・低消費電力・長寿命設計
- ・各種防爆仕様・保護等級に対応



Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db eb mb IIC T6/T5/T4 Gb

Ex tb IIIC T80°C Db

Europe (ATEX)

Ex II 2 G Ex db eb mb IIC T6/T5/T4 Gb

Ex II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX

Material

Enclosure: Stainless steel

Diffuser: Polycarbonate

Lamp

Lamp specification: SMD LED

Lamp power (W): 20W, 40W, 60W, 80W

Degree of protection: IP66/IP67

防爆形LED照明器具

HRD91-LED

主な特長

- ・防爆区域向けLED照明
- ・低消費電力・長寿命設計
- ・各種防爆仕様・保護等級に対応



Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db IIC T6/T5/T4 Gb

Ex db eb IIC T6/T5/T4 Gb

Ex tb IIIC T80°C/T85°C/T95°C/T100°C Db

Europe (ATEX)

Ex II 2 G Ex db IIC T6/T5/T4 Gb

Ex II 2 G Ex db eb IIC T6/T5/T4 Gb

Ex II 2 D Ex tb IIIC T80°C/T85°C/T95°C/T100°C Db

Certificates: IECEX; ATEX; CU-TR

Material

Enclosure: Copper-free aluminium alloy

Transparent cover: Toughened glass

Lamp

Lamp specification: LED

Lamp power (W): 30W, 50W, 70W, 100W

Degree of protection: IP66

防爆形LED照明器具

HRD95

主な特長

- ・防爆区域向けLED照明
- ・低消費電力・長寿命設計
- ・各種防爆仕様・保護等級に対応



operating hours.

Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db IIC T6/T5/T4 Gb

Ex tb IIIC T71°C...T114°C Db

Europe (ATEX)

Ex II 2 G Ex db IIC T6/T5/T4 Gb

Ex II 2 D Ex tb IIIC T71°C...T114°C Db

Certificates: IECEX; ATEX; CU-TR

Material

Enclosure: Copper-free aluminium alloy

Glass cover: Toughened glass

Lamp

Lamp specification: LED module, Multiple LED

Lamp power (W):

60W, 90W, 120W, 160W, 200W, 240W

Degree of protection: IP66

防爆形LED照明器具



HRD97

主な特長

- ・防爆区域向けLED照明
- ・低消費電力・長寿命設計
- ・各種防爆仕様・保護等級に対応

Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db IIC T6 Gb

Ex tb IIIC T80°C Db

Europe (ATEX)

Ex II 2 G Ex db IIC T6 Gb

Ex II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX; CU-TR

Material

Enclosure: Copper-free aluminium alloy

Transparent cover: Toughened glass

Lamp

Lamp specification: Integrated LED, Multiple LED

Lamp power (W): 10W, 20W

Degree of protection: IP66

防爆形LED照明器具



HRD99

主な特長

- ・防爆区域向けLED照明
- ・低消費電力・長寿命設計
- ・各種防爆仕様・保護等級に対応

Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db IIB T6/T5 Gb

Ex db IIC T6/T5 Gb

Ex tb IIIC T80°C/T95°C Db

Europe (ATEX)

Ex II 2 G Ex db IIB T6/T5 Gb

Ex II 2 G Ex db IIC T6/T5 Gb

Ex II 2 D Ex tb IIIC T80°C/T95°C Db

Certificates: IECEX; ATEX

Material

Enclosure: Copper-free aluminium alloy

Transparent cover: Polycarbonate

Lamp

Lamp specification: Integrated LED, Multiple LED

Lamp power (W): 20W, 30W, 50W, 70W, 80W, 100W

Degree of protection: IP66

防爆形非常用LED照明器具



HRJ

主な特長

- ・停電・非常時の照明を確保
- ・防爆区域向け設計
- ・非常電源・保護機能を備えた構成

operating hours.

Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db op is IIC T6 Gb

Ex tb op is IIIC T80°C Db

Europe (ATEX)

Ex II 2 G Ex db op is IIC T6 Gb

Ex II 2 D Ex tb op is IIIC T80°C Db

Certificates: IECEX; ATEX; CU-TR; INMETRO

Material

Enclosure: Copper-free aluminium alloy

Glass cover: Toughened glass

Lamp

Lamp specification: LED module, Multiple LED

Lamp power (W): 30W, 60W

Emergency power (W): 10W, 15W, 20W, 30W, 40W

Degree of protection: IP66

防爆形LED照明器具



BDD95

主な特長

- ・防爆区域向けLED照明
- ・低消費電力・長寿命設計
- ・各種防爆仕様・保護等級に対応

service life, which is up to 100,000 operating hours.

Zones 1&2; 21&22



Explosion protection

Global (IECEX)

Ex db eb op is IIC T6/T5/T4 Gb

Ex tb op is IIIC T62°C...T102°C Db

Europe (ATEX)

Ex II 2 G Ex db eb op is IIC T6/T5/T4 Gb

Ex II 2 D Ex op is tb IIIC T62°C...T102°C Db

Certificates:

IECEX; ATEX; UL

Material

Enclosure: Copper-free aluminium alloy

Glass cover: Toughened glass

Lamp

Lamp specification: Integrated LED, Multiple LED

Lamp power (W): 60W, 90W, 120W, 160W

Degree of protection: IP66

防爆形LED投光器



BAT86

主な特長

- ・広範囲照射に適した防爆照明
- ・高効率LED光源を採用
- ・屋外・厳しい環境での使用を考慮

whole machine is of 2x200W, 2x240W.

Zones 1&2; 21&22



Explosion protection

Global (IECEX)

Ex db IIB T6/T5 Gb

Ex tb IIIC T80°C/T95°C Db

Ex db IIB+H₂ T6/T4 Gb

Ex tb IIIC T80°C/T130°C Db

Europe (ATEX)

Ex II 2 G Ex db IIB T6/T5 Gb

Ex II 2 D Ex tb IIIC T80°C/T95°C Db

Ex II 2 G Ex db IIB+H₂ T6/T4 Gb

Ex II 2 D Ex tb IIIC T80°C/T130°C Db

Certificates: IECEX; ATEX; CU-TR; INMETRO

Material

Enclosure: Copper-free aluminium alloy

Glass cover: Toughened glass

Lamp

Lamp specification: LED module, Multiple LED

Lamp power (W):

60W, 90W, 120W, 160W, 200W, 240W

Degree of protection: IP66

防爆形LED照明器具



HRND95

主な特長

- ・防爆区域向けLED照明
- ・低消費電力・長寿命設計
- ・各種防爆仕様・保護等級に対応

operating hours.

Zones 2; 21&22



Explosion protection

Global (IECEX)

Ex ec mc IIC T5/T4 Gc

Ex tb IIIC T82°C/100°C Db

Europe (ATEX)

Ex II 3 G Ex ec mc IIC T5/T4 Gc

Ex II 2 D Ex tb IIIC T82°C/100°C Db

Certificates: IECEX; ATEX

Material

Enclosure: Copper-free aluminium alloy

Glass cover: Toughened glass

Lamp

Lamp specification: LED module, Multiple LED

Lamp power (W): 40W, 60W, 80W, 120W, 160W,
200W, 240W, 300W

Degree of protection: IP66

防爆形LED投光器



HRNT95

主な特長

- ・広範囲照射に適した防爆照明
- ・高効率LED光源を採用
- ・屋外・厳しい環境での使用を考慮

Zones 2; 21&22

Explosion protection

Global (IECEX)

Ex ec mc IIC T5/T4 Gc

Ex tb IIIC T82°C/T88°C/T100°C/T106°C Db

Europe (ATEX)

Ex II 3 G Ex ec mc IIC T5/T4 Gc

Ex II 2 D Ex tb IIIC T82°C/T88°C/T100°C/T106°C Db

Certificates: IECEX; ATEX

Material

Enclosure: Copper-free aluminium alloy

Glass cover: Toughened glass

Lamp

Lamp specification: LED module, Multiple LED

Lamp power (W): 80W, 120W, 150W, 200W,
240W, 300W

Degree of protection: IP66

防爆形LED投光器



HRT97

主な特長

- ・広範囲照射に適した防爆照明
- ・高効率LED光源を採用
- ・屋外・厳しい環境での使用を考慮

Zones 2; 21&22

Explosion protection

Global (IECEX)

Ex ec mc IIC T3 Gc

Ex tb IIIC T130°C Db

Europe (ATEX) (applied for)

Ex II 3 G Ex ec mc IIC T3 Gc

Ex II 2 D Ex tb IIIC T130°C Db

Certificates: IECEX; ATEX

Material

Enclosure: Copper-free aluminium alloy

Transparent cover: Toughened glass

Lamp

Lamp specification: LED module, Multiple LED

Lamp power (W): 200W, 400W, 600W, 800W, 1000W

Degree of protection: IP66

防爆形LED投光器



HRT98

主な特長

- ・広範囲照射に適した防爆照明
- ・高効率LED光源を採用
- ・屋外・厳しい環境での使用を考慮

Zones 1&2; 21&22

Explosion protection

Global (IECEX)(applied for)

Ex db IIC T5/T4 Gb

Ex tb IIIC T95°C/T130°C Db

Europe (ATEX)(applied for)

Ex II 2 G Ex db IIC T5/T4 Gb

Ex II 2 D Ex tb IIIC T95°C/T130°C Db

Certificates: IECEX; ATEX

Material

Enclosure: Copper-free aluminium alloy

Glass cover: Toughened glass

Lamp

Lamp specification: LED module, Multiple LED

Lamp power (W): 90W, 120W, 240W, 480W,
720W, 1080W

Degree of protection: IP66

防爆形LED投光器



HRT99

主な特長

- ・広範囲照射に適した防爆照明
- ・高効率LED光源を採用
- ・屋外・厳しい環境での使用を考慮



Zones 1&2; 21&22

Explosion protection

Global (IECEX)(applied for)

Ex db eb IIC T6/T5 Gb

Ex tb IIIC T80°C/T95°C Db

Europe (ATEX)(applied for)

Ⓔ II 2 G Ex db eb IIC T6/T5 Gb

Ⓔ II 2 D Ex tb IIIC T80°C/T95°C Db

Certificates: IECEX; ATEX

Material

Enclosure: Copper-free aluminium alloy

Transparent cover: Toughened glass

Lamp

Lamp specification: LED module, Multiple LED

Lamp power (W): 80W, 100W, 120W, 160W,
200W, 240W

Degree of protection: IP66

防爆形LED照明器具



HRX

主な特長

- ・防爆区域向けLED照明
- ・低消費電力・長寿命設計
- ・各種防爆仕様・保護等級に対応



Zones 1&2; 21&22

Explosion protection

Global (IECEX)(applied for)

Ex db eb mb IIC T6 Gb

Ex tb IIIC T80°C Db

Europe (ATEX)(applied for)

Ⓔ II 2 G Ex db eb mb IIC T6 Gb

Ⓔ II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX

Material

Enclosure: Copper-free aluminium alloy

Transparent cover: Toughened glass

Lamp

Lamp specification: LED module, Multiple LED

Lamp power (W): 10W, 20W, 30W

Degree of protection: IP66

防爆形照明器具



HRD61

主な特長

- ・防爆区域向け照明器具
- ・視認性と耐環境性を考慮
- ・設備・保守作業用途に対応



temperature changes

Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db IIC T4 or T3 Gb

Ex tb IIIC T130°C or T190°C Db IP66

Europe (ATEX)

Ⓔ II 2 G Ex db IIC T4 or T3 Gb

Ⓔ II 2 D Ex tb IIIC T130°C or T190°C Db

Certificates: IECEX; ATEX

Material

Enclosure: Copper-free aluminium alloy

Transparent cover: Toughened glass

Lamp

Lamp holder: E27; E40

Available lamp and lamp power (W):

HIE: 70W, 100W, 150W, 250W, 400W

HME: 80W, 125W, 250W, 400W

HSE: 70W, 100W, 150W, 250W, 400W

Note: HPI European standard ballast is available in general

Degree of protection: IP66

防爆形照明器具

BDD81

主な特長

- ・防爆区域向け照明器具
- ・視認性と耐環境性を考慮
- ・設備・保守作業用途に対応



Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex d IIC T4 Gb

Ex t IIIC T130°C Db IP66

Europe (ATEX)

Ex II 2 G Ex d IIC T4 Gb

Ex II 2 D Ex t IIIC T130°C Db IP66

Certificates: IECEX; ATEX

Material

Enclosure: Copper-free aluminium alloy

Transparent cover: Toughened glass

Lamp

Lamp holder: E27

Available lamp and lamp power (W):

Incandescent lamp: 25W, 40W, 60W, 100W

Energy-saving lamp: 9W, 11W (for sealed atmosphere)

LED: 3W, 5W, 8W

Degree of protection: IP66

防爆形照明器具

BDD91

主な特長

- ・防爆区域向け照明器具
- ・視認性と耐環境性を考慮
- ・設備・保守作業用途に対応



Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex d IIC T4/T3/T142°C/T147°C Gb

Ex t IIIC T130°C/T142°C/T147°C/T190°C Db IP66

Europe (ATEX)

Ex II 2 G Ex d IIC T4/T3/T142°C/T147°C Gb

Ex II 2 D Ex t IIIC T130°C/T142°C/T147°C/T190°C Db IP66

Certificates: IECEX; ATEX; CU-TR

Material

Enclosure: Copper-free aluminium alloy

Transparent cover: Toughened glass

Lamp

Lamp holder: E27, E40

Available lamp and lamp power (W):

HIE: 70W, 100W, 150W, 250W, 400W

HSE: 70W, 100W, 150W, 250W, 400W

HME: 80W, 125W, 250W, 400W

Note: HPI European standard ballast is available in general.

Degree of protection: IP66

防爆形投光器

BAT53

主な特長

- ・広範囲照射に適した防爆照明
- ・高効率LED光源を採用
- ・屋外・厳しい環境での使用を考慮



Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex d e IIB T156°C/T163°C/T181°C/T185°C/T190°C/T209°C/T3 Gb

Ex t IIIC T156°C/T163°C/T181°C/T185°C/T190°C/T209°C/T193°C Db IP66

Europe (ATEX)

Ex II 2 G Ex db e IIB T156°C/T163°C/T181°C/T185°C/T190°C/T209°C/T3 Gb

Ex II 2 D Ex t IIIC T156°C/T163°C/T181°C/T185°C/T190°C/T209°C/T193°C Db

Certificates: IECEX; ATEX; CU-TR

Material

Enclosure: Copper-free aluminium alloy

Glass cover: Toughened glass

Lamp

Lamp holder: E27, E40

Available lamp and lamp power (W):

HSE: 70W, 100W, 150W, 250W, 400W (tubular), 1000W

HME: 80W, 125W, 250W

HIE: 70W, 100W, 150W, 250W, 400W (tubular), 1000W

Note: HPI European standard ballast is available in general

Degree of protection: IP66

防爆形投光器



BAT85

主な特長

- ・広範囲照射に適した防爆照明
- ・高効率LED光源を採用
- ・屋外・厳しい環境での使用を考慮

Explosion protection

Global (IECEX)

Ex db IIC T3/T4/T5/T6 or xxx°C Gb

Ex tb IIIC Txxx°C Db IP66

Europe (ATEX)

Ⓔ II 2 G Ex db IIC T3/T4/T5/T6 or xxx°C Gb

Ⓔ II 2 D Ex tb IIIC Txxx°C Db IP66

Certificates: IECEX; ATEX; CU-TR

Material

Enclosure: Copper-free aluminium alloy

Glass cover: Toughened glass

Lamp

Lamp holder:

European standard: E27, E40, American standard: E26, E39

Available lamp:

Metal halide lamp (HIE): 70W, 100W, 150W, 250W, 400W

High pressure sodium lamp (HSE): 70W, 100W, 150W, 250W, 400W

High pressure mercury lamp (HME): 80W, 125W, 250W, 400W

Degree of protection: IP66

Zones 1&2; 21&22

Class I, Division 1, Groups A, B, C, D



防爆形投光器



BnT81

主な特長

- ・広範囲照射に適した防爆照明
- ・高効率LED光源を採用
- ・屋外・厳しい環境での使用を考慮

Explosion protection

Global (IECEX)

Ex nR IIC T3/T252°C/T2 Gc

Ex tb IIIC T190°C/T252°C/T290°C Db IP65

Europe (ATEX)

Ⓔ II 3 G Ex nR IIC T3/T252°C/T2 Gc

Ⓔ II 2 D Ex t IIIC T190°C/T252°C/T290°C Db IP65

Certificates: IECEX; ATEX; UL

Material

Enclosure: Copper-free aluminium alloy

Glass cover: Toughened glass

Lamp

Lamp holder:

American Standard: E39; European Standard: E40

Available lamp and lamp power (W):

HIE: 175W, 250W, 400W, 1000W

HSE: 150W, 250W, 400W, 1000W

Degree of protection: IP65

Zones 2; 21&22

Class I, Division 2, Groups A, B, C, D



防爆形LED街路灯



BAM52

主な特長

- ・道路・通路向けの防爆照明
- ・LEDによる省エネルギー設計
- ・屋外環境での使用を考慮

Explosion protection

Global (IECEX)

Ex nR IIC T6...T5 Gc

Ex tb IIIC T80°C...T95°C Db

Europe (ATEX)

Ⓔ II 3 G Ex nR IIC T6...T5 Gc

Ⓔ II 2 D Ex tb IIIC T80°C...T95°C Db

Certificates: IECEX; ATEX

Material

Enclosure: Aluminium alloy

Glass cover: Toughened glass

Lamp

Lamp specification: LED module, Multiple LED

Lamp power (W): 60W, 80W, 100W, 120W, 150W,

160W, 180W, 200W

Degree of protection: IP66

Zones 1&2; 21&22



防爆形街路灯



BAM52

主な特長

- ・道路・通路向けの防爆照明
- ・LEDによる省エネルギー設計
- ・屋外環境での使用を考慮

Zones 2; 21&22

Explosion protection

Global (IECEX)

Ex nR IIC T4/T3 Gc

Ex tb IIIC T130°C/T133°C/T190°C Db

Europe (ATEX)

Ex II 3 G Ex nR IIC T4/T3 Gc

Ex II 2 D Ex tb IIIC T130°C/T133°C/T190°C Db

Certificates: IECEX; ATEX

Material

Enclosure: Aluminium alloy, powder coated surface

Glass cover: Toughened glass, stands 4J impact

Lamp

Lamp holder: E40

Lamp specification: High pressure sodium lamp (HSE)

Lamp power (W): 150W, 250W, 400W

Degree of protection: IP66

防爆形ソーラー照明システム



主な特長

- ・太陽光発電を利用した独立電源
- ・防爆区域向け照明システム
- ・省エネルギー運用に対応

lighting protection and charging and discharging protection.

Zones 1&2; 21&22

Lamp power:

BAT86: Type I: 60W, 90W

Type II: 120W, 160W

Type III: 200W, 240W

HRD91-LED: Type I: 30W, 50W

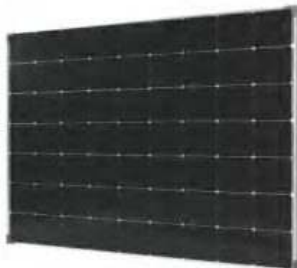
Type II: 70W, 100W

BDD95: Type I: 60W, 90W

Type II: 120W, 160W

BAM52: 60W, 80W, 100W, 120W, 150W, 160W, 180W, 200W

防爆形ソーラーパネル



BSP

主な特長

- ・太陽光発電を利用した独立電源
- ・防爆区域向け照明システム
- ・省エネルギー運用に対応

Zones 1&2; 21&22

Explosion protection

Global (IECEX) (applied for)

Ex eb mb IIC T5 Gb

Ex mb tb IIIC T95°C Db

Europe (ATEX) (applied for)

Ex II 2 G Ex eb mb IIC T5 Gb

Ex II 2 D Ex mb tb IIIC T95°C Db

Certificates: IECEX; ATEX

Material

Enclosure: Aluminium alloy, powder coated surface

Glass cover: Toughened glass, stands 4J impact

Output voltage

DC 18V, DC36V

Power

DC 18V: 50W, 70W, 105W, 140W, 205W

DC 36V: 110W, 140W, 205W, 280W, 350W, 380W, 410W

Degree of protection: IP66

防爆形電源ユニット



BDY

主な特長

- ・防爆設備向け電源・電力変換用途
- ・安定した電源供給を支援
- ・各種入力／出力仕様に対応

Explosion protection

Global (IECEX) (applied for)

Ex eb IIC T5 Gb

Europe (ATEX) (applied for)

Ex II 2 G Ex eb IIC T5 Gb

Certificates: IECEX; ATEX

Material

Enclosure: Stainless steel

Nominal voltage: DC 12V, DC24V

Rated capacity: 20Ah~250Ah

Degree of protection: IP54



Zones 1&2

可搬形サーチライト



HRD305

主な特長

- ・防爆区域向け照明器具
- ・視認性と耐環境性を考慮
- ・設備・保守作業用途に対応

Explosion protection

Global (IECEX)

Ex d ia IIC T6 Gb

Ex tb IIIC T80°C Db IP68

Europe (ATEX)

Ex II 2 G Ex d ia IIC T6 Gb

Ex II 2 D Ex tb IIIC T80°C Db IP68

Certificates: IECEX; ATEX

Lamp (LED)

Rated power: 9W/3W

Current of strong light: 900mA

Degree of protection: IP68



Zones 1&2; 21&22

サーチライト



HRD309E

主な特長

- ・防爆区域向け照明器具
- ・視認性と耐環境性を考慮
- ・設備・保守作業用途に対応

Explosion protection

Global (IECEX)

Ex nA nR IIC T4 Gc

Ex tb IIIC T80°C Db IP66

Europe (ATEX)

Ex II 3 G Ex nA nR IIC T4 Gc

Ex II 2 D Ex tb IIIC T80°C Db IP66

Certificates: IECEX; ATEX

Lamp

Rated power: 9W/3W

Average service life: 100000h

Degree of protection: IP66



Zones 2; 21&22

防爆形メンテナンスランプ



HRD503

主な特長

- ・防爆区域向け照明器具
- ・視認性と耐環境性を考慮
- ・設備・保守作業用途に対応

Zones 1&2

Explosion protection

Global (IECEX) (applied for)

Ex db de IIC T6 Gb

Europe (ATEX) (applied for)

Ex II 2 G Ex db de IIC T6 Gb

Certificates: IECEX; ATEX

Lamp

Rated power: 50W/25W

Average service life: 100000h

Degree of protection: IP66

防爆形白熱ハンドランプ



BSX-60

主な特長

- ・防爆区域向け照明器具
- ・視認性と耐環境性を考慮
- ・設備・保守作業用途に対応

Zones 1&2

Explosion protection

Global (IECEX)

Ex d e IIC T4

Europe (ATEX)

Ex II 2 G Ex d e IIC T4

Certificates: IECEX; ATEX

Material

Enclosure: Copper-free aluminium alloy

Lamp

Lamp holder: E27

Available lamp:

Incandescent lamp: 25W, 40W, 60W

LED: 3W, 5W, 8W

Degree of protection: IP65

防爆形非常用照明器具



BAJ52-20

主な特長

- ・停電・非常時の照明を確保
- ・防爆区域向け設計
- ・非常電源・保護機能を備えた構成

Zones 1&2

Explosion protection

Global (IECEX)

Ex d IIB T4

Europe (ATEX)

Ex II 2 G Ex d IIB T4

Certificates: IECEX; ATEX

Material

Enclosure: Copper-free aluminium alloy

Lamp

Available lamp:

Halogen tungsten lamp (LED on request)

Lamp power (W):

2 x 10W (LED lamp power: 2 x 1W)

Emergency time: 90min

Rated luminous flux:

Halogen tungsten lamp: 2 x 100lm (LED lamp: 2 x 90lm)

Degree of protection: IP65

防爆形非常用照明器具



BAJ52-6

主な特長

- ・停電・非常時の照明を確保
- ・防爆区域向け設計
- ・非常電源・保護機能を備えた構成

Explosion protection

Global (IECEX)(applied for)

Ex db IIC T6 Gb

Ex tb IIIC T80°C Db

Europe (ATEX)(applied for)

Ex II 2 G Ex db IIC T6 Gb

Ex II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX

Material

Enclosure: Copper-free aluminium alloy

Lamp

Lamp specification: LED

Lamp power: 2x3W

Emergency time: 180min

Rated luminous flux: 2x300lm

Degree of protection: IP66



Zones 1&2; 21&22

防爆形非常口表示灯



BAYD85

主な特長

- ・非常時の避難経路を明示
- ・防爆区域向けの表示灯
- ・長寿命・省保守設計

Explosion protection

Global (IECEX)

Ex db IIB T6 Gb

Ex db IIC T6 Gb

Ex tb IIIC T80°C Db

Europe (ATEX)

Ex II 2 G Ex db IIB T6 Gb

Ex II 2 G Ex db IIC T6 Gb

Ex II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX; CU-TR; INMETRO

Material

Enclosure: Copper-free aluminium alloy

Lamp

LED lamp (working voltage DC 3.6V)

Power consumption: 4W/8W

Emergency time: 180min

Degree of protection: IP66



Zones 1&2; 21&22

防爆形非常口表示灯



BAYD86

主な特長

- ・非常時の避難経路を明示
- ・防爆区域向けの表示灯
- ・長寿命・省保守設計

Explosion protection

Global (IECEX)(applied for)

Ex eb ib IIC T6 Gb

Ex tb IIIC T80°C Db

Europe (ATEX)(applied for)

Ex II 2 G Ex eb ib IIC T6 Gb

Ex II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX

Material

Enclosure: GRP

Lamp

LED lamp

Power consumption: 15W

Emergency time: 180min

Degree of protection: IP66



Zones 1&2; 21&22

防爆形LEDタンク点検灯

BAK51

主な特長

- ・防爆区域向け産業機器
- ・安全性と耐環境性を考慮
- ・使用条件に応じた仕様選定に対応



Zones 1&2; 21&22

Explosion protection

Global (IECEEx)

Ex db IIB T3 Gb

Ex tb IIIC T190°C Db

Europe (ATEX)

Ex II 2 G Ex db IIB T3 Gb

Ex II 2 D Ex tb IIIC T190°C Db

Certificates: IECEEx; ATEX

Material

Enclosure: Copper-free aluminium alloy

Glass cover: Toughened glass

Lamp

Available lamp: Halogen tungsten lamp

Lamp holder: GY6.35

Lamp power: 35W, 50W

Degree of protection: IP66

防爆形LEDタンク点検灯

BAK85

主な特長

- ・防爆区域向け産業機器
- ・安全性と耐環境性を考慮
- ・使用条件に応じた仕様選定に対応



Zones 1&2; 21&22

Explosion protection

Global (IECEEx)

Ex db op is IIC T6 Gb

Ex tb op is IIIC T80°C Db

Europe (ATEX)

Ex II 2 G Ex db op is IIC T6 Gb

Ex II 2 D Ex tb op is IIIC T80°C Db

Certificates: IECEEx; ATEX

Material

Enclosure: Copper-free aluminium alloy

Glass cover: Toughened glass

Lamp

Lamp specification:

International brand of LED module

Lamp power: 9W

Degree of protection: IP66/IP67

防爆形警告スポットライト

BSZD81-E

主な特長

- ・危険・異常を光／音で通知
- ・防爆区域向け設計
- ・設備警報・安全用途に対応



Zones 1&2; 21&22

Explosion protection

Global (IECEEx)

Ex d e IIC T6 Gb

Ex tb IIIC T80°C Db IP65

Europe (ATEX)

Ex II 2 G Ex d e IIC T6 Gb

Ex II 2 D Ex tb IIIC T80°C Db IP65

Certificates: ATEX; IECEEx

Material

Enclosure: Copper-free aluminium alloy

Transparent cover: Toughened glass

Lamp

Lamp specification: LED

Lamp power (W): ≤10W (continuous work)

Lamp color: Red

Max. luminous intensity value: >200cd

Degree of protection: IP65

防爆形警告スポットライト



BSZD81-C

主な特長

- ・危険・異常を光／音で通知
- ・防爆区域向け設計
- ・設備警報・安全用途に対応

Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex d e IIC T6 Gb

Ex tb IIIC T80°C Db IP65

Europe (ATEX)

II 2 G Ex d e IIC T6 Gb

II 2 D Ex tb IIIC T80°C Db IP65

Certificates: ATEX; IECEX

Material

Enclosure: Copper-free aluminium alloy

Transparent cover: Toughened glass

Lamp

Lamp specification: LED

Lamp power: 40W (continuous work)

Lamp color: Red

Max. luminous intensity value: >2000cd

Degree of protection: IP65

防爆形低光度航空障害灯



BSZD85-E

主な特長

- ・航空障害物の視認性を確保
- ・防爆区域向け設計
- ・連続運転を考慮した構造

Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db IIC T6 Gb

Ex tb IIIC T80°C Db

Europe (ATEX)

II 2 G Ex db IIC T6 Gb

II 2 D Ex tb IIIC T80°C Db

Certificates: ATEX; IECEX; CU-TR

Material

Enclosure: Copper-free aluminium alloy

Transparent cover: Toughened glass

Lamp

Lamp specification: LED

Lamp power: ≤8W (continuous work)

Lamp color: Red

Max. luminous intensity value: ≤32cd

Degree of protection: IP66

防爆形中光度航空障害灯



BSZD85-C

主な特長

- ・航空障害物の視認性を確保
- ・防爆区域向け設計
- ・連続運転を考慮した構造

Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db eb ib IIC T6 Gb

Ex tb IIIC T80°C Db

Europe (ATEX)

II 2 G Ex db eb ib IIC T6 Gb

II 2 D Ex tb IIIC T80°C Db

Certificates: ATEX; IECEX; CU-TR

Material

Enclosure: Copper-free aluminium alloy

Transparent cover: Toughened glass

Lamp

Lamp specification: LED

Lamp power: < 40W (continuous work)

Lamp color: Red

Max. luminous intensity value: >2000cd

Degree of protection: IP66

防爆形音響・視覚警報灯

BBJ81

主な特長

- ・危険・異常を光／音で通知
- ・防爆区域向け設計
- ・設備警報・安全用途に対応



Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db ib IIC T6 Gb

Ex tb IIIC T80°C Db

Europe (ATEX)

Ex II 2 G Ex d ib IIC T6 Gb

Ex II 2 D Ex t IIIC T80°C Db IP66

Certificates: ATEX; IECEX; CU-TR

Material

Enclosure: Copper-free aluminium alloy

Transparent cover: Toughened glass

Lamp

Lamp specification: LED

Lamp power: 5W

Lamp color: Red, blue, yellow, green

Flash frequency: 70 times/min

Sound intensity: 80~105dB (R=1m)

Degree of protection: IP66

防爆形警告スポットライト

BJD81

主な特長

- ・危険・異常を光／音で通知
- ・防爆区域向け設計
- ・設備警報・安全用途に対応



Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db IIC T6 Gb

Ex tb IIIC T80°C Db

Europe (ATEX)

Ex II 2 G Ex d IIC T6 Gb

Ex II 2 D Ex t IIIC T80°C Db IP66

Certificates: ATEX; IECEX; CU-TR

Material

Enclosure: Copper-free aluminium alloy

Transparent cover: Toughened glass

Lamp

Lamp specification: LED

Lamp power (W): 3W

Lamp colour: Red, blue, yellow, green

Flash frequency: 70 times/min

Degree of protection: IP66

防爆形音響・視覚警報灯

BBJ86

主な特長

- ・危険・異常を光／音で通知
- ・防爆区域向け設計
- ・設備警報・安全用途に対応



Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db IIC T6 Gb

Ex tb IIIC T80°C Db

Europe (ATEX)

Ex II 2 G Ex db IIC T6 Gb

Ex II 2 D Ex tb IIIC T80°C Db

Certificates: ATEX; IECEX

Material

Enclosure: Copper-free aluminium alloy

Transparent cover: Toughened glass

Lamp

Lamp specification: LED

Lamp power: 45W, 35W, 10W

Lamp colour: Red, blue, yellow, green

Flash frequency: 150~160 times/min

Sound intensity: 110~120dB (R=1m)

Degree of protection: IP66

防爆形照明スイッチ



BZM

主な特長

- ・防爆区域向け照明器具
- ・視認性と耐環境性を考慮
- ・設備・保守作業用途に対応

Explosion protection

Global (IECEX)

Ex db IIC T6 Gb

Ex tb IIIC T80°C Db

Europe (ATEX)

Ⓔ II 2 G Ex db IIC T6 Gb

Ⓔ II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX; CU-TR

Enclosure material:

Copper-free aluminium alloy, powder coated surface

Exposed fastener: Stainless steel

Rated voltage: Max. 250V AC

Rated current: 16A, 25A

Degree of protection: IP66



Zones 1&2; 21&22

防爆形接続箱



BHD51

主な特長

- ・防爆区域の配線接続・分岐用途
- ・堅牢な筐体で端子部を保護
- ・用途に応じた引込口・端子構成

Explosion protection

Global (IECEX)

Ex db IIC T6 Gb

Ex tb IIIC T80°C Db

Europe (ATEX)

Ⓔ II 2 G Ex db IIC T6 Gb

Ⓔ II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX; CU-TR

Enclosure material:

Copper-free aluminium alloy or cast iron, powder

coated surface

Exposed fastener: Stainless steel

Rated voltage: Max. 690V AC 50/60Hz

Max. 500V DC

Rated current: ≤20A

Degree of protection: IP66



Zones 1&2; 21&22

防爆形接続箱



BHD91

主な特長

- ・防爆区域の配線接続・分岐用途
- ・堅牢な筐体で端子部を保護
- ・用途に応じた引込口・端子構成

Explosion protection

Global (IECEX)

Ex db IIC T6 Gb

Ex tb IIIC T80°C Db IP66

Europe (ATEX)

Ⓔ II 2 G Ex db IIC T6 Gb

Ⓔ II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX; CU-TR; UL

Enclosure material:

Copper-free aluminium alloy, powder coated surface

Exposed fastener: Stainless steel

Rated voltage: Max. 500V AC

Rated current and Terminal data:

Cross section	2.5mm ²	4mm ²	6mm ²
Rated current	24A	32A	41A
Terminal number	12	10	8

Degree of protection: IP66



Zones 1&2; 21&22

Class I, Division 1, Groups A,B,C,D

防爆形端子箱

BXJ-IIB

主な特長

- ・防爆区域の配線接続・分岐用途
- ・堅牢な筐体で端子部を保護
- ・用途に応じた引込口・端子構成



Ex db IIB



Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db IIB+H₂ T6 or T5 Gb
Ex tb IIIC T80°C or T95°C Db IP66
Europe (ATEX)

Ex II 2 G Ex db IIB+H₂ T6 or T5 Gb

Ex II 2 D Ex tb IIIC T80°C or T95°C Db IP66

Certificates: IECEX; ATEX

Enclosure material:

Copper-free aluminium alloy, powder coated surface

Exposed fastener: Stainless steel

Rated voltage: Max. 800V AC

Rated current:

Cross section	2.5mm ²	4mm ²	6mm ²	10mm ²	16mm ²	35mm ²	70mm ²	240mm ²
Rated current	24A	32A	41A	57A	76A	125A	192A	400A

Degree of protection: IP66

防爆形端子箱

BXJ-IIC

主な特長

- ・防爆区域の配線接続・分岐用途
- ・堅牢な筐体で端子部を保護
- ・用途に応じた引込口・端子構成



Ex d IIC



Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex d IIC T6 Gb

Ex tb IIIC T80°C Db IP65
Europe (ATEX)

Ex II 2 G Ex d IIC T6 Gb

Ex II 2 D Ex tb IIIC T80°C Db IP65

Certificates: IECEX; ATEX

Enclosure material:

Copper-free aluminium alloy, powder coated surface

Exposed fastener: Stainless steel

Rated voltage: Max. 690V AC

Rated current:

Cross section	2.5mm ²	4mm ²	6mm ²	10mm ²	16mm ²	35mm ²
Rated current	24A	32A	41A	57A	76A	100A

Degree of protection: IP65

端子箱

BXJ-e

主な特長

- ・防爆区域の配線接続・分岐用途
- ・堅牢な筐体で端子部を保護
- ・用途に応じた引込口・端子構成



Ex e IIC



Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex e IIC T6 or T5 Gb

Ex ib IIC T6 Gb

Ex tb IIIC T80°C Db IP66
Europe (ATEX)

Ex II 2 G Ex e IIC T6 or T5 Gb

Ex II 2 G Ex ib IIC T6 Gb

Ex II 2 D Ex tb IIIC T80°C Db IP66

Certificates: IECEX; ATEX; CU-TR

Enclosure material:

Copper-free aluminium alloy, powder coated surface

Exposed fastener: Stainless steel

Rated voltage: Max. 690V AC

Rated current:

Cross section	2.5mm ²	4mm ²	6mm ²	10mm ²	16mm ²	35mm ²
Ex e Rated current	24A	32A	41A	57A	76A	100A
Ex ib Rated current	5A	5A	5A	-	-	-

Degree of protection: IP66

端子箱



BXJ8050

主な特長

- ・防爆区域の配線接続・分岐用途
- ・堅牢な筐体で端子部を保護
- ・用途に応じた引込口・端子構成

Explosion protection

Global (IECEX)
Ex eb IIC T6...T4 Gb
Ex ia IIC T6 Ga
Ex ib IIC T6 Gb
Ex tb IIIC T80°C Db
Europe (ATEX)
Ⓔ II 2 G Ex eb IIC T6...T4 Gb
Ⓔ II 1 G Ex ia IIC T6 Ga
Ⓔ II 2 G Ex ib IIC T6 Gb
Ⓔ II 2 D Ex tb IIIC T80°C Db
Certificates: IECEX; ATEX; CU-TR
Enclosure material: GRP
Exposed fastener: Stainless steel
Rated voltage: Max. 1100V AC/DC(Ex e)
Max. 36V AC/DC(Ex ia)
Rated current: Max. 800A(Ex e)
Max. 5A(Ex ia)
Degree of protection: IP66



Zones 0&1&2; 21&22

端子箱



BXJ8050

主な特長

- ・防爆区域の配線接続・分岐用途
- ・堅牢な筐体で端子部を保護
- ・用途に応じた引込口・端子構成

Explosion protection

Global (IECEX)
Ex eb IIC T6/T5 Gb (Without fuse module)
Ex eb mb IIC T6/T5 Gb (With fuse module)
Ex tb IIIC T80°C Db
Certificates: IECEX
Enclosure material: GRP
Exposed fastener: Stainless steel
Rated voltage: Max. 1000V without fuse module
Max. 500V with fuse module
Rated current: Max. 50A for terminals
Max. 10A for fuse module
Degree of protection: IP66



Zones 1&2; 21&22

接続箱



BXJ8050-20/6

主な特長

- ・防爆区域の配線接続・分岐用途
- ・堅牢な筐体で端子部を保護
- ・用途に応じた引込口・端子構成

Explosion protection

Global (IECEX)
Ex e II T6
Europe (ATEX)
Ⓔ II 2 G Ex e IIC T6 Gb
Certificates: IECEX; ATEX; CU-TR
Enclosure material: GRP
Exposed fastener: Stainless steel
Rated voltage: Max. 500V AC
Rated current: 20A
Degree of protection: IP65



Zones 1&2; 21&22

端子箱

BXJ-S

主な特長

- ・防爆区域の配線接続・分岐用途
- ・堅牢な筐体で端子部を保護
- ・用途に応じた引込口・端子構成



Zones 0&1&2; 21&22

Class I, Division 2, Groups A, B, C, D

Explosion protection

Global (IECEX)

Ex eb IIC T6...T3 Gb

Ex ia IIC T6 Ga

Ex eb ia IIC T4 Gb

Ex tb IIIC T80°C...T130°C Db

Europe (ATEX)

Ex II 2 G Ex eb IIC T6...T3 Gb

Ex II 1 G Ex ia IIC T6 Ga

Ex II 2 D Ex tb IIIC T80°C...T130°C Db

Certificates: IECEX; ATEX; CU-TR; INMETRO; UL

Enclosure material: Stainless steel

Exposed fastener: Stainless steel

Rated voltage: Max. 1000V AC, Max. 1500V DC

Cross section 2.5mm² 4mm² 6mm² 10mm² 16mm² 35mm² 70mm²

Ex e Rated current 24A 32A 41A 57A 76A 125A 192A

Ex ia Rated current 5A 5A - - - - -

Cross section 120mm² 185mm² 300mm² 2 × 185mm² 2 × 300mm² 3 × 300mm²

Ex e Rated current 269A 353A 520A 550A 700A 1000A

Ex ia Rated current - - - - - - -

Degree of protection: IP66

防爆形高压接続箱

BXJ91

主な特長

- ・防爆区域の配線接続・分岐用途
- ・堅牢な筐体で端子部を保護
- ・用途に応じた引込口・端子構成



Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex eb IIC T6...T4 Gb

Ex ec IIC T6...T4 Gc

Ex tb IIIC T80°C Db

Europe (ATEX)

Ex II 2 G Ex eb IIC T6...T4 Gb

Ex II 3 G Ex ec IIC T6...T4 Gc

Ex II 2 D Ex tb IIIC T80°C...T130°C Db

Certificates: IECEX; ATEX

Enclosure material:

Stainless steel or carbon steel

Exposed fastener: Stainless steel

Rated voltage:

Max. 11kV AC(eb), Max. 15kV AC(ec)

Rated current: Max. 800A

Degree of protection: IP66

防爆形高压接続箱

BXJ92

主な特長

- ・防爆区域の配線接続・分岐用途
- ・堅牢な筐体で端子部を保護
- ・用途に応じた引込口・端子構成



Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db IIB T6...T5 Gb

Ex tb IIIC T80°C...T95°C Db

Europe (ATEX)

Ex II 2 G Ex db IIB T6...T5 Gb

Ex II 2 D Ex tb IIIC T80°C...T95°C Db

Certificates: IECEX; ATEX

Enclosure material:

Stainless steel or carbon steel

Exposed fastener: Stainless steel

Rated voltage:

3~15kV (standard), 24~35kV (optional)

Rated current: Up to Max. 800A

Degree of protection: IP66

防爆形光ファイバーボックス

BXJ93

主な特長

- ・ 防爆区域の光通信設備用途
- ・ 通信機器・接続部を保護
- ・ ネットワーク構築に対応



Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex op pr IIC T6 Gb (without heater)

Ex op pr tb IIIC T80°C Db (without heater)

Ex db eb op pr IIC T5 Gb (with heater)

Ex op pr tb IIIC T95°C Db (with heater)

Europe (ATEX)

Ex II 2 G Ex op pr IIC T6 Gb (without heater)

Ex II 2 D Ex op pr tb IIIC T80°C Db (without heater)

Ex II 2 G Ex db eb op pr IIC T5 Gb (with heater)

Ex II 2 D Ex op pr tb IIIC T95°C Db (with heater)

Certificates: IECEX; ATEX

Enclosure material: Stainless steel

Exposed fastener: Stainless steel

Number of fibers: 48, 96, 192, 144, 288

Degree of protection: IP66

防爆形高压接続箱

BXJ95

主な特長

- ・ 防爆区域の配線接続・分岐用途
- ・ 堅牢な筐体で端子部を保護
- ・ 用途に応じた引込口・端子構成



and safe when opening the door.

Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db IIB+H₂ T6/T5 Gb

Ex tb IIIC T80°C/T95°C Db

Europe (ATEX)

Ex II 2 G Ex db IIB+H₂ T6/T5 Gb

Ex II 2 D Ex tb IIIC T80°C/T95°C Db

Certificates: IECEX; ATEX

Enclosure material: Copper-free Aluminium Alloy

Exposed fastener: Stainless steel

Rated voltage: Max. 15kV AC

Rated current: Max. 800A

Degree of protection: IP66

防爆形絶縁エンクロージャ

BXK-B

主な特長

- ・ 防爆機器・端子の収納用筐体
- ・ 耐環境性を考慮した構造
- ・ 各種サイズ・材質仕様に対応



Zones 1&2; 21&22

Explosion protection

Global (CU-TR) (applied for)

1 Ex db eb mb ib IIC T6...T1 Gb

Ex tb IIIC T85°C...T450°C Db

Certificates: CU-TR

Enclosure material: GRP or Stainless steel

Exposed fastener: Stainless steel

Degree of protection: IP66

防爆形プラグ・ソケット

BCZ8060

主な特長

- ・防爆区域の電気接続用途
- ・確実な接続と機械的保護
- ・各種定格・接続仕様に対応



Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db eb IIC T6/T5/T4 Gb

Ex tb IIIC T80°C Db

Europe (ATEX)

Ex II 2 G Ex db eb IIC T6/T5/T4 Gb

Ex II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX; CU-TR

Enclosure material: GRP

Exposed fastener: Stainless steel

Rated voltage: MAX. 690V AC, Max. 250V DC

Rated current:

10A, 16A, 20A, 32A, 50A, 60A, 63A, 100A, 125A

Degree of protection: IP66

防爆形プラグ・ソケット

BCZ85

主な特長

- ・防爆区域の電気接続用途
- ・確実な接続と機械的保護
- ・各種定格・接続仕様に対応



Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db IIC T6 Gb

Ex tb IIIC T80°C Db

Europe (ATEX)

Ex II 2 G Ex db IIC T6 Gb

Ex II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX; CU-TR

Enclosure material: Copper-free aluminium alloy, powder coated surface

Exposed fastener: Stainless steel

Rated voltage: Max. 690V AC, Max. 250V DC

Rated current:

10A, 16A, 20A, 32A, 50A, 60A, 63A, 100A, 125A

Degree of protection: IP66

防爆形コネクタ

BLJ85

主な特長

- ・防爆区域の電気接続用途
- ・確実な接続と機械的保護
- ・各種定格・接続仕様に対応



Zones 2; 21&22

Explosion protection

Global (IECEX)

Ex ec IIC T6/T5/T4 Gc

Ex tb IIIC T80°C/T95°C Db

Europe (ATEX)

Ex II 3 G Ex ec IIC T6/T5/T4 Gc

Ex II 2 D Ex tb IIIC T80°C/T95°C Db

Certificates: IECEX; ATEX

Enclosure material: Copper-free aluminium alloy, anodic-oxidation treatment for surface

Exposed fastener: Stainless steel

Rated voltage: AC/DC 12~48V, DC 50~250V, AC 600V~690V, 480V~500V, 380V~415V, 200V~250V, 100V~130V

Rated current:

10A, 16A, 20A, 25A, 32A, 50A, 60A, 63A, 100A

Degree of protection: IP66

防爆形リミットスイッチ

HRZX91

主な特長

- ・防爆区域での操作・開閉用途
- ・堅牢な筐体と操作機構
- ・各種設備制御に対応



Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db IIC T6 Gb

Ex tb IIIC T80°C Db

Europe (ATEX)

Ex II 2 G Ex db IIC T6 Gb

Ex II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX; CU-TR

Enclosure material:

Copper-free aluminium alloy, powder coated surface

Exposed fastener: Stainless steel

Rated voltage: Max. 380VAC 50/60Hz, 250V DC

Rated current: 3A AC; 0.27A DC

Degree of protection: IP66

防爆形操作盤

BZC

主な特長

- ・防爆区域の設備制御に対応
- ・スイッチ・表示器などを組込可能
- ・用途に応じた構成を選択可能



Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db IIB+H₂ T6 Gb

Ex tb IIIC T80°C Db IP66

Europe (ATEX)

Ex II 2 G Ex db IIB+H₂ T6 Gb

Ex II 2 D Ex tb IIIC T80°C Db IP66

Certificates: IECEX; ATEX

Enclosure material:

Copper-free aluminium alloy, powder coated surface

Exposed fastener: Stainless steel

Rated voltage: Max. 415V AC

Max. current: 10A

Degree of protection: IP66

耐圧防爆押しボタン

HA

主な特長

- ・防爆区域での操作・開閉用途
- ・堅牢な筐体と操作機構
- ・各種設備制御に対応



specify when ordering.

Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db IIC Gb

Ex tb IIIC Db

Europe (ATEX)

Ex II 2 G Ex db IIC Gb

Ex II 2 D Ex tb IIIC Db

Certificates: IECEX; ATEX; CU-TR

Rated voltage: 660V AC; 440V DC

Rated current: 10A(for 660V AC); 6A(for 440V DC)

Degree of protection: IP66

表示灯



HD

主な特長

- ・設備状態を視覚的に表示
- ・防爆区域向け設計
- ・複数色・用途に対応

Explosion protection

Global (IECEX)

Ex db IIC Gb

Ex tb IIIC Db IP66

Europe (ATEX)

Ex II 2 G Ex db IIC Gb

Ex II 2 D Ex tb IIIC Db IP66

Certificates: IECEX; ATEX; CU-TR

Rated voltage:

440V AC, 50/60Hz; 220~415V AC, 50/60Hz;

220V DC; 48~120V AC/DC; 12~36V AC/DC

Degree of protection: IP66



Zones 1&2; 21&22

制御スイッチ



HK

主な特長

- ・防爆区域での操作・開閉用途
- ・堅牢な筐体と操作機構
- ・各種設備制御に対応

Explosion protection

Global (IECEX)

Ex db IIC Gb

Ex tb IIIC Db

Europe (ATEX)

Ex II 2 G Ex db IIC Gb

Ex II 2 D Ex tb IIIC Db

Certificates: IECEX; ATEX; CU-TR

Rated voltage: 500V AC, 400V DC

Rated current: 16A

Degree of protection: IP66



Zones 1&2; 21&22

防爆形制御ユニットシステム



BZA85

主な特長

- ・防爆区域の設備制御に対応
- ・スイッチ・表示器などを組込可能
- ・用途に応じた構成を選択可能

Explosion protection

Global (IECEX)

Ex db IIC T6 Gb

Ex tb IIIC T80°C Db IP66

Europe (ATEX)

Ex II 2 G Ex db IIC T6 Gb

Ex II 2 D Ex tb IIIC T80°C Db IP66

Certificates: IECEX; ATEX

Enclosure material:

Copper-free aluminium alloy, powder coated surface

Exposed fastener: Stainless steel

Rated voltage: Max.500V AC, 250V DC

Rated current: Max.10A (AC), 6A (DC)

Degree of protection: IP66



Zones 1&2; 21&22

防爆形操作盤 (GRP)



BZC8050

主な特長

- ・防爆区域の設備制御に対応
- ・スイッチ・表示器などを組込可能
- ・用途に応じた構成を選択可能



Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db eb mb IIC T6/T5 Gb

Ex db eb IIC T6/T5 Gb

Ex tb IIIC T80°C Db

Europe (ATEX)

II 2 G Ex db eb mb IIC T6/T5 Gb

II 2 G Ex db eb IIC T6/T5 Gb

II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX; CU-TR

Enclosure material: GRP

Exposed fastener: Stainless steel

Rated operating voltage	Max. 500V AC	Max. 440V AC
	Max. 220V DC	Max. 220V DC

Rated operating current	Max. 16A (only with BK8050)	Max. 10A
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Degree of protection: IP66

防爆形操作盤 (銅フリーAl合金)



BZC8050

主な特長

- ・防爆区域の設備制御に対応
- ・スイッチ・表示器などを組込可能
- ・用途に応じた構成を選択可能



Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db eb mb IIC T6/T5 Gb

Ex db eb IIC T6/T5 Gb

Ex tb IIIC T80°C Db

Europe (ATEX)

II 2 G Ex db eb mb IIC T6/T5 Gb

II 2 G Ex db eb IIC T6/T5 Gb

II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX; CU-TR

Enclosure material:

Copper-free aluminium alloy, powder coated surface

Exposed fastener: Stainless steel

Rated operating voltage	Max. 500V AC	Max. 440V AC
	Max. 220V DC	Max. 220V DC

Rated operating current	Max. 16A (only with BK8050)	Max. 10A
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Degree of protection: IP66

防爆形操作盤 (ステンレス)



BZC8050

主な特長

- ・防爆区域の設備制御に対応
- ・スイッチ・表示器などを組込可能
- ・用途に応じた構成を選択可能



Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db eb mb IIC T6/T5 Gb

Ex db eb IIC T6/T5 Gb

Ex tb IIIC T80°C Db

Europe (ATEX)

II 2 G Ex db eb mb IIC T6/T5 Gb

II 2 G Ex db eb IIC T6/T5 Gb

II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX; CU-TR

Enclosure material: Stainless steel

Exposed fastener: Stainless steel

Rated operating voltage	Max. 500V AC	Max. 440V AC
	Max. 220V DC	Max. 220V DC

Rated operating current	Max. 16A (only with BK8050)	Max. 10A
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Degree of protection: IP66

操作ボタン



BA8060

主な特長

- ・防爆区域での操作・開閉用途
- ・堅牢な筐体と操作機構
- ・各種設備制御に対応

control pushbutton



Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db eb IIC Gb

Europe (ATEX)

Ex II 2 G Ex db eb IIC Gb

Certificates: IECEX; ATEX

Enclosure material: Polyamide (PA66)

Rated voltage: 500V AC

Rated current: 10A

表示灯



BD8060

主な特長

- ・設備状態を視覚的に表示
- ・防爆区域向け設計
- ・複数色・用途に対応



Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db eb IIC Gb

Europe (ATEX)

Ex II 2 G Ex db eb IIC Gb

Certificates: IECEX; ATEX

Enclosure material: Polyamide (PA66)

Rated voltage:

AC/DC12V~36V, AC/DC48V~125V, DC220V~250V,
AC220V~440V

Frequency: 0Hz...60Hz

Rated output wattage: Max. 3W

制御スイッチ



BK8050

主な特長

- ・防爆区域での操作・開閉用途
- ・堅牢な筐体と操作機構
- ・各種設備制御に対応



Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db eb IIC Gb

Europe (ATEX)

Ex II 2 G Ex db eb IIC Gb

Certificates: IECEX; ATEX; CU-TR

Enclosure material: Plastic

Rated voltage:

AC: 500V, 460V, 440V, 400V, 380V, 230V

AC/DC: 220V, 110V, 48V, 36V, 24V, 12V

Rated current: Max. 20A

防爆形電流計・電圧計



BB8050

主な特長

- ・防爆区域での電気計測用途
- ・設備状態の確認を支援
- ・各種計測レンジに対応

Explosion protection

Ammeter

Global (IECEX)

Ex eb IIC Gb

Europe (ATEX)

Ex II 2 G Ex eb IIC Gb

Voltmeter

Global (IECEX)

Ex eb mb IIC Gb

Europe (ATEX)

Ex II 2 G Ex eb mb IIC Gb

Certificates: IECEX; ATEX; CU-TR

Enclosure material: Flame retardant plastic

Insulation voltage: 0~600V AC

Frequency: 50/60Hz

DC available



Zones 1&2; 21&22

防爆形プザー



HRFM

主な特長

- ・危険・異常を光/音で通知
- ・防爆区域向け設計
- ・設備警報・安全用途に対応

Explosion protection

Global (IECEX)(applied for)

Ex eb ib mb IIC Gb

Ex db ib mb IIC Gb

Ex tb IIIC Db

Europe (ATEX)(applied for)

Ex II 2 G Ex eb ib mb IIC Gb

Ex II 2 G Ex db ib mb IIC Gb

Ex II 2 D Ex tb IIIC Db

Certificates: IECEX; ATEX

Enclosure material:

Plastic (Ex eb), Aluminium alloy (Ex db)

Enclosure colour: Black / Red

Rated voltage: 48~250V AC/DC, 12~36V AC/DC

Rated current: <100mA, <50mA

Sound pressure: 60dB (30cm from the source)



Zones 1&2; 21&22

防爆形モータースイッチ



BLK

主な特長

- ・防爆区域での操作・開閉用途
- ・堅牢な筐体と操作機構
- ・各種設備制御に対応

Explosion protection

Global (IECEX)

Ex db IIB T6 Gb

Ex tb IIIC T80°C Db

Europe (ATEX)

Ex II 2 G Ex db IIB T6 Gb

Ex II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX

Enclosure material:

Copper-free aluminium alloy, powder coated surface

Max. working voltage: 440V/690V AC 50/60Hz

500V DC

Rated voltage: 1P: 230V AC

2P/3P/4P: 400V AC 50/60Hz

Rated current: 16A, 32A, 63A, 80A, 100A,

125A, 160A, 200A, 250A

Degree of protection: IP66



Zones 1&2; 21&22

防爆形モータースイッチ



BLK

主な特長

- ・防爆区域での操作・開閉用途
- ・堅牢な筐体と操作機構
- ・各種設備制御に対応

Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db IIC T6 Gb

Ex tb IIIC T80°C Db IP66

Europe (ATEX)

Ex II 2 G Ex db IIC T6 Gb

Ex II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX

Enclosure material:

Copper-free aluminium alloy, powder coated surface

Exposed fastener: Stainless steel

Max. working voltage: Max. 690V AC 50/60Hz

Max. 500V DC

Rated voltage: 1P: 230V AC

2P/3P/4P: 400V AC 50/60Hz

Rated current: Max. 50A,

Degree of protection: IP66

防爆形照明用配電箱



BXM(D)53

主な特長

- ・防爆区域向け照明器具
- ・視認性と耐環境性を考慮
- ・設備・保守作業用途に対応

Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db eb IIC T6 Gb

Ex tb IIIC T80°C Db IP66

Europe (ATEX)

Ex II 2 G Ex db eb IIC T6 Gb

Ex II 2 D Ex tb IIIC T80°C Db IP66

Certificates: IECEX; ATEX; CU-TR

Enclosure:

Enclosure material: Copper-free aluminium alloy,

powder coated surface

Enclosure type: Modular combination (Ex d & Ex e);

MCB, MCCB or other components in Ex d compartment,

explosion-proof indicators and terminals in Ex e

compartment.

Exposed fastener: Stainless steel

General power supply:

Rated voltage: Max. 690V AC 50/60Hz

Rated current: Max. 200A

Branch current: Max. 63A

Degree of protection: IP66

防爆形配電盤



HRMD91

主な特長

- ・防爆区域の配電・回路保護用途
- ・機器・回路を筐体内に集約
- ・用途に応じた仕様に対応

Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db IIB+H₂ T6/T5/T4 Gb

Ex db [ib] IIB+H₂ T6/T5/T4 Gb

Ex tb IIIC T80°C/T95°C/T130°C Db IP66

Europe (ATEX)

Ex II 2 G Ex db IIB+H₂ T6/T5/T4 Gb

Ex II 2 G Ex db [ib] IIB+H₂ T6/T5/T4 Gb

Ex II 2 D Ex tb IIIC T80°C/T95°C/T130°C Db IP66

Certificates: ATEX; IECEX; CU-TR

Enclosure material: Copper-free aluminium

alloy enclosure, powder coated surface

Exposed fastener: Stainless steel

Rated voltage: Max. 1000V AC 50/60Hz

Max. 1500V DC

Rated current: Max. 1200A

Degree of protection: IP66

防爆形配電盤

HRMD92

主な特長

- ・防爆区域の配電・回路保護用途
- ・機器・回路を筐体内に集約
- ・用途に応じた仕様に対応



Explosion protection

Global (IECEX)(I, II, IIB ... VIB)
 Ex db IIB+H₂ T6/T5/T4 Gb
 Ex db [ib] IIB+H₂ T6/T5/T4 Gb
 Ex tb IIIC T80°C/T95°C/T130°C Db IP66
 Global (IECEX)(VIII, VIIIB, IX, IXB)
 Ex db IIB T6/T5/T4 Gb
 Ex db [ib] IIB T6/T5/T4 Gb
 Ex tb IIIC T80°C/T95°C/T130°C Db IP66
 Europe (ATEX)(I, II, IIB ... VIB)
 Ⓜ II 2 G Ex db IIB+H₂ T6/T5/T4 Gb
 Ⓜ II 2 G Ex db [ib] IIB+H₂ T6/T5/T4 Gb
 Ⓜ II 2 D Ex tb IIIC T80°C/T95°C/T130°C Db IP66
 Europe (ATEX)(VIII, VIIIB, IX, IXB)
 Ⓜ II 2 G Ex db IIB T6/T5/T4 Gb
 Ⓜ II 2 G Ex db [ib] IIB T6/T5/T4 Gb
 Ⓜ II 2 D Ex tb IIIC T80°C/T95°C/T130°C Db IP66

Certificates: IECEX; ATEX; CU-TR

Enclosure material: Stainless steel

Exposed fastener: Stainless steel

Rated voltage: Max. 1000V AC 50/60Hz

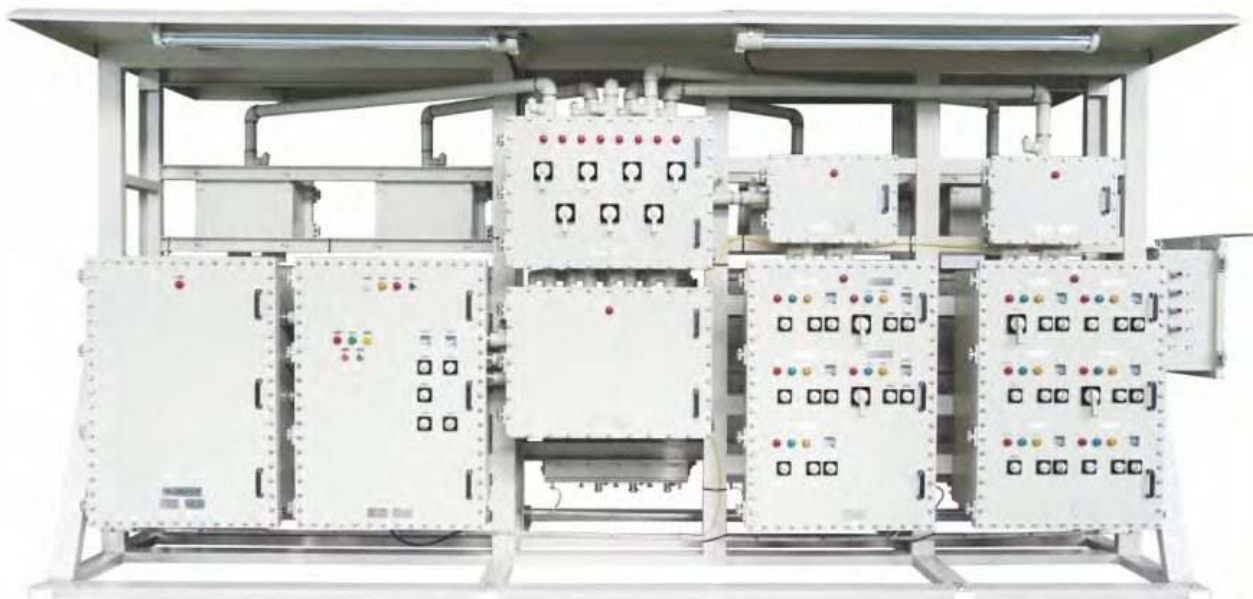
Max. 1500V DC

Rated current: Max. 2000A

Degree of protection: IP66



Zones 1&2; 21&22



Warom can produce distribution box or combined distribution panel according to user's requirements, used in lighting system, power distribution system, motor control, socket, indicator light, switch, meter and electronic equipment used for control and signal can be attached; product is manufactured according to safety standard design and production;

防爆形配電盤

HRMD93

主な特長

- ・ 防爆区域の配電・回路保護用途
- ・ 機器・回路を筐体内に集約
- ・ 用途に応じた仕様に対応



Explosion protection

Global (IECEX)

Ex db IIB T6...T4 Gb
Ex db IIB+H₂ T6...T4 Gb
Ex db [ia Ga] IIB T6...T4 Gb
Ex db [ib Gb] IIB T6...T4 Gb
Ex db [ia Ga] IIB+H₂ T6...T4 Gb
Ex db [ib Gb] IIB+H₂ T6...T4 Gb
Ex tb IIIC T80°C...130°C Db
Europe (ATEX)

Ex II 2 G Ex db IIB T6...T4 Gb

Ex II 2 G Ex db IIB+H₂ T6...T4 Gb

Ex II 2 G Ex db [ia Ga] IIB T6...T4 Gb

Ex II 2 G Ex db [ib Gb] IIB T6...T4 Gb

Ex II 2 G Ex db [ia Ga] IIB+H₂ T6...T4 Gb

Ex II 2 G Ex db [ib Gb] IIB+H₂ T6...T4 Gb

Ex II 2 D Ex tb IIIC T80°C...130°C Db

Certificates: IECEX; ATEX; CU-TR

Enclosure material:

Copper-free aluminium alloy, powder coated surface

Enclosure colour: Window grey (RAL7040)

Exposed fastener: Stainless steel

General power supply:

Low voltage: Max. 1000V AC 50/60Hz

Max. 1500VDC

High voltage: 6kV, 10kV, 24kV, 35kV AC 50/60Hz

Rated current: Max. 2000A

Degree of protection: IP66



Zones 1&2; 21&22

防爆形配電盤

DISTRIBUTION PANELS

主な特長

- ・ 防爆区域の配電・回路保護用途
- ・ 機器・回路を筐体内に集約
- ・ 用途に応じた仕様に対応



reliable and safe when opening the door.

- ◆ Professionally designed hinges, reliable and safe when opening the door.

Explosion protection

Global (IECEX)

Ex db IIB+H₂ T6/T5/T4 Gb

Ex db [ia Ga] IIB+H₂ T6/T5/T4 Gb

Ex db [ib Gb] IIB+H₂ T6/T5/T4 Gb

Ex tb IIIC T80°C/T95°C/T130°C Db

Europe (ATEX)

Ex II 2 G Ex db IIB+H₂ T6/T5/T4 Gb

Ex II 2 G Ex db [ia Ga] IIB+H₂ T6/T5/T4 Gb

Ex II 2 G Ex db [ib Gb] IIB+H₂ T6/T5/T4 Gb

Ex II 2 D Ex tb IIIC T80°C/T95°C/T130°C Db

Certificates: IECEX; ATEX

Enclosure material:

Copper-free aluminium alloy, powder coated surface

Exposed fastener: Stainless steel

Rated voltage:

Max. 1000V AC 50/60Hz; Max. 1500V DC

Rated current: Max. 2000A

Degree of protection: IP66



Zones 1&2; 21&22

防爆形配電盤

HRMD96

主な特長

- ・防爆区域の配電・回路保護用途
- ・機器・回路を筐体内に集約
- ・用途に応じた仕様に対応



meet the requirements of various distribution systems.

- ◆ Special requirements on request.

Explosion protection

Global (IECEX)

Ex db IIC T6...T4 Gb

Ex db [ia Ga] IIC T6...T4 Gb

Ex db [ib Gb] IIC T6...T4 Gb

Ex tb IIIC T80°C...130°C Db

Ex tb [ia Ga] IIIC T80°C...130°C Db

Ex tb [ib Gb] IIIC T80°C...130°C Db

Europe (ATEX)

Ex II 2 G Ex db IIC T6...T4 Gb

Ex II 2 G Ex db [ia Ga] IIC T6...T4 Gb

Ex II 2 G Ex db [ib Gb] IIC T6...T4 Gb

Ex II 2 D Ex tb IIIC T80°C...130°C Db

Ex II 2 D Ex tb [ia Ga] IIIC T80°C...130°C Db

Ex II 2 D Ex tb [ib Gb] IIIC T80°C...130°C Db

Certificates: IECEX; ATEX; CU-TR

Enclosure material:

304 stainless steel, 316L stainless steel and Q235

Exposed fastener: Stainless steel

Rated voltage:

Max. 1000V AC 50/60Hz; Max. 1500VDC

Rated current: Max. 1000A

Degree of protection: IP66



Zones 1&2; 21&22

防爆形配電盤

DISTRIBUTION PANELS

主な特長

- ・防爆区域の配電・回路保護用途
- ・機器・回路を筐体内に集約
- ・用途に応じた仕様に対応



the service life of box.

- ◆ The boxes can be combined and installed freely to save space and meet the requirements of various distribution systems.
- ◆ Special requirements on request.

Explosion protection

Global (IECEX)(applied for)

Ex db IIC T6...T4 Gb

Ex db eb IIC T6...T4 Gb

Ex db [ia Ga] IIC T6...T4 Gb

Ex db [ib Gb] IIC T6...T4 Gb

Ex db eb [ia Ga] IIC T6...T4 Gb

Ex db eb [ib Gb] IIC T6...T4 Gb

Ex tb IIIC T80°C...T130°C Db

Ex tb [ia Ga] IIIC T80°C...T130°C Db

Ex tb [ib Gb] IIIC T80°C...T130°C Db

Europe (ATEX)(applied for)

Ex II 2 G Ex db IIC T6...T4 Gb

Ex II 2 G Ex db eb IIC T6...T4 Gb

Ex II 2 G Ex db [ia Ga] IIC T6...T4 Gb

Ex II 2 G Ex db [ib Gb] IIC T6...T4 Gb

Ex II 2 G Ex db eb [ia Ga] IIC T6...T4 Gb

Ex II 2 G Ex db eb [ib Gb] IIC T6...T4 Gb

Ex II 2 D Ex tb IIIC T80°C...T130°C Db

Ex II 2 D Ex tb [ia Ga] IIIC T80°C...T130°C Db

Ex II 2 D Ex tb [ib Gb] IIIC T80°C...T130°C Db

Certificates: IECEX; ATEX

Enclosure material:

Copper-free aluminium alloy, powder coated surface

Exposed fastener: Stainless steel

Rated voltage:

Max. 1000V AC 50/60Hz; Max. 1500V DC

Rated current: Max. 1000A

Degree of protection: IP66



Zones 1&2; 21&22

防爆形照明用配電箱

BXM(D)8050

主な特長

- ・防爆区域向け照明器具
- ・視認性と耐環境性を考慮
- ・設備・保守作業用途に対応



Zones 1&2; 21&22

Explosion protection

Global (IECEX)
Ex db eb mb IIC T6/T5/T4 Gb
Ex tb IIIC T80°C Db
Europe (ATEX)

Ex II 2 G Ex db eb mb IIC T6/T5/T4 Gb

Ex II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX; CU-TR

Enclosure:

Enclosure material: GRP

Enclosure colour: Black

Enclosure type: Ex e

Exposed fastener: Stainless steel

Rated voltage:

Max. 690V AC 50/60Hz; Max. 500V DC

Rated current: Max. 250A

Branch current:

1A, 2A, 4A, 6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A

Degree of protection: IP66

防爆形照明用配電箱

BXM(D)8061

主な特長

- ・防爆区域向け照明器具
- ・視認性と耐環境性を考慮
- ・設備・保守作業用途に対応



Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db eb mb IIC T5/T4 Gb

Ex tb IIIC T80°C Db

Europe (ATEX)

Ex II 2 G Ex db eb mb IIC T5/T4 Gb

Ex II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX; CU-TR

Enclosure:

Enclosure material: Stainless steel

Enclosure type: Ex e

Exposed fastener: Stainless steel

Rated voltage:

Max. 690V AC 50/60Hz; Max. 500V DC

Rated current: Max. 250A

Branch current:

1A, 2A, 4A, 6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A

Degree of protection: IP66

防爆形サーキットブレーカモジュール

BL8060

主な特長

- ・防爆設備の回路保護用途
- ・過電流・短絡保護に対応
- ・各種定格仕様を選択可能



Zones 1&2

Explosion protection

Global (IECEX)

Ex db eb IIC Gb

Ex db IIC Gb (BL8060-d)

Europe (ATEX)

Ex II 2 G Ex db eb IIC Gb

Ex II 2 G Ex db IIC Gb (BL8060-d)

Certificates: IECEX; ATEX

Enclosure material: GRP

Rated voltage: Max. 690V AC 50/60Hz

Max. 500V DC

Rated current:

1A, 2A, 4A, 6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A

Max. 250A (BL8060-d)

Number of pole: 1P, 2P, 3P, 4P, 1PL, 2PL

1P, 2P, 3P, 4P, 1PL, 2PL, 3PL, 4PL (BL8060-d)

防爆形ヒューズ



BRT8060

主な特長

- ・防爆設備の回路保護用途
- ・過電流・短絡保護に対応
- ・各種定格仕様を選択可能

Explosion protection

Global (IECEX)

Ex eb mb IIC Gb

Europe (ATEX)

Ex II 2 G Ex eb mb IIC Gb

Certificates: IECEX; ATEX

Enclosure material: Polycarbonate

Rated voltage: MAX. 500V AC/DC 50/60Hz

Branch current: 0.5A, 0.63A, 0.8A, 1A, 1.25A, 1.6A, 2A, 2.5A, 3.15A, 4A, 5A, 6A, 6.3A, 8A, 10A, 12.5A, 16A



Zones 1&2

防爆形エンクロージャ



BXT-□-W

主な特長

- ・防爆機器・端子の収納用筐体
- ・耐環境性を考慮した構造
- ・各種サイズ・材質仕様に対応

Explosion protection

Global (IECEX)

Ex db IIB+H₂ Gb

Ex tb IIIC Db IP66

Europe (ATEX)

Ex II 2 G Ex db IIB+H₂ Gb

Ex II 2 D Ex tb IIIC Db IP66

Certificates: IECEX; ATEX; CU-TR

Enclosure material:

Copper-free aluminium alloy, powder coated surface

Exposed fastener: Stainless steel

Mounting feet:

Carbon steel, power coated surface

Degree of protection: IP66



Zones 1&2; 21&22

防爆形エンクロージャ



BXT-□-W

主な特長

- ・防爆機器・端子の収納用筐体
- ・耐環境性を考慮した構造
- ・各種サイズ・材質仕様に対応

Explosion protection

Global (IECEX)

Ex db IIB+H₂ Gb

Ex tb IIIC Db

Europe (ATEX)

Ex II 2 G Ex db IIB+H₂ Gb

Ex II 2 D Ex tb IIIC Db

Certificates: IECEX; ATEX

Enclosure material:

Copper-free aluminium alloy, powder coated surface

Exposed fastener: Stainless steel

Mounting feet:

Carbon steel, power coated surface

Degree of protection: IP66



Zones 1&2; 21&22

防爆形エンクロージャ

BXT-□-C

主な特長

- ・防爆機器・端子の収納用筐体
- ・耐環境性を考慮した構造
- ・各種サイズ・材質仕様に对应



Explosion protection

Global (IECEx) (applied for)

Ex db IIC Gb

Ex tb IIIC Db

Europe (ATEX) (applied for)

Ex II 2 G Ex db IIC Gb

Ex II 2 D Ex tb IIIC Db

Certificates: IECEx; ATEX

Enclosure material:

Copper-free aluminium alloy, powder coated surface

Exposed fastener: Stainless steel

Degree of protection: IP66

安全増防爆形エンクロージャ

BXT-e

主な特長

- ・防爆機器・端子の収納用筐体
- ・耐環境性を考慮した構造
- ・各種サイズ・材質仕様に对应



Explosion protection

Global (IECEx)

Ex e IIC Gb

Ex tb IIIC Db IP66

Europe (ATEX)

Ex II 2 G Ex e IIC Gb

Ex II 2 D Ex tb IIIC Db IP66

Certificates: IECEx; ATEX

Enclosure material:

Copper-free aluminium alloy, powder coated surface

Exposed fastener: Stainless steel

Degree of protection: IP66

空エンクロージャ

BX-e

主な特長

- ・防爆機器・端子の収納用筐体
- ・耐環境性を考慮した構造
- ・各種サイズ・材質仕様に对应



Explosion protection

Global (IECEx)

Ex eb IIC Gb

Ex tb IIIC Db

Europe (ATEX)

Ex II 2 G Ex eb IIC Gb

Ex II 2 D Ex tb IIIC Db

Certificates: IECEx; ATEX

Enclosure material:

Stainless steel or carbon steel

Exposed fastener: Stainless steel

Degree of protection: IP66

防爆形エンクロージャ

BXT8050

主な特長

- ・防爆機器・端子の収納用筐体
- ・耐環境性を考慮した構造
- ・各種サイズ・材質仕様に对应



Explosion protection

Europe (ATEX)

Ex II 2 G Ex e II

Certificates: ATEX

Enclosure material: GRP

Exposed fastener: Stainless steel

Degree of protection: IP54

防爆形アルミ合金ブッシング



BHC

主な特長

- ・防爆配線施工用アクセサリ
- ・配管・ケーブル接続部に使用
- ・各種材質・ねじ仕様に对应

Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex eb IIC Gb

Ex tb IIIC Db

Europe (ATEX)

Ex II 2 G Ex eb IIC Gb

Ex II 2 D Ex tb IIIC Db

Certificates: IECEX; ATEX; CU-TR

Enclosure material:

Copper-free Aluminium Alloy, powder coated surface

Type: A, B, C, D, E, F, G, H

Connection thread: M20-M63

NPT1/2"-NPT2"

G1/2"-G2"

Degree of protection: IP66

防爆形鋳鉄ブッシング



BHC

主な特長

- ・防爆配線施工用アクセサリ
- ・配管・ケーブル接続部に使用
- ・各種材質・ねじ仕様に对应

Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex eb IIC Gb

Ex tb IIIC Db

Europe (ATEX)

Ex II 2 G Ex eb IIC Gb

Ex II 2 D Ex tb IIIC Db

Certificates: IECEX; ATEX; CU-TR

Enclosure material:

Cast iron, powder coated surface

Type: A, B, C, D, E, F, G, H

Connection thread: M20-M63

NPT1/2"-NPT2"

G1/2"-G2"

Degree of protection: IP66

防爆形コネクタ



BGJ

主な特長

- ・防爆区域の電気接続用途
- ・確実な接続と機械的保護
- ・各種定格・接続仕様に对应

Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db IIC Gb

Ex eb IIC Gb

Ex tb IIIC Db

Europe (ATEX)

Ex II 2 G Ex db IIC Gb

Ex II 2 G Ex eb IIC Gb

Ex II 2 D Ex tb IIIC Db

Certificates: IECEX; ATEX; CU-TR

Material: Nickel plated brass,

stainless steel or galvanized carbon steel

Type: F/F, M/F or M/M

Connection thread: M20-M115

NPT1/2"-NPT4"

G1/2"-G4"

Degree of protection: IP66

防爆形アングルコネクタ



BGJ-w

主な特長

- ・防爆区域の電気接続用途
- ・確実な接続と機械的保護
- ・各種定格・接続仕様に対応

Zones 1&2; 21&22

Explosion protection

Global (IECEX)(applied for)

Ex db IIC Gb

Ex eb IIC Gb

Ex tb IIIC Db

Europe (ATEX)(applied for)

Ex II 2 G Ex db IIC Gb

Ex II 2 G Ex eb IIC Gb

Ex II 2 D Ex tb IIIC Db

Certificates: IECEX; ATEX

Material: Stainless steel

Type: F/F, M/F or M/M

Connection thread: M20-M63

NPT1/2"-NPT2"

G1/2"-G2"

Degree of protection: IP66

シールブッシング



BAG

主な特長

- ・防爆配線施工用アクセサリ
- ・配管・ケーブル接続部に使用
- ・各種材質・ねじ仕様に対応

Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db IIC Gb

Ex eb IIC Gb

Ex tb IIIC Db

Europe (ATEX)

Ex II 2 G Ex db IIC Gb

Ex II 2 G Ex eb IIC Gb

Ex II 2 D Ex tb IIIC Db

Certificates: IECEX; ATEX; CU-TR

Enclosure material:

Aluminium alloy or cast steel or stainless steel

Type: Type Z, Type H

Connection thread: M20-M63

NPT1/2"-NPT2"

G1/2"-G2"

Degree of protection: IP66

防爆形樹脂ケーブルグランド (非鎧装)



DQM-I/I-D

主な特長

- ・防爆筐体へのケーブル引込用
- ・シール性・保持力を確保
- ・鎧装／非鎧装など各種仕様に対応

Zones 1&2

Explosion protection

Global (IECEX)

Ex eb IIC Gb

Ex tb IIIC Db

Europe (ATEX)

Ex II 2 G Ex eb IIC Gb

Ex II 2 D Ex tb IIIC Db

Certificates: IECEX; ATEX

Gland material: Plastic, black

Connection thread: M16-M63

Degree of protection: IP66

防爆形金属ケーブルグランド (非鍍装)



DQM-I

主な特長

- ・防爆筐体へのケーブル引込用
- ・シール性・保持力を確保
- ・鍍装／非鍍装など各種仕様に対応

Explosion protection

Global (IECEX)

Ex eb IIC Gb

Ex tb IIIC Db IP66 / IP67

Europe (ATEX)

Ex II 2 G Ex e IIC Gb

Ex II 2 D Ex tb IIIC Db IP66 / IP67

Certificates: IECEX; ATEX; CU-TR

Gland material:

Stainless steel or nickel plated brass

Connection thread: M20-M75

NPT1/2"-NPT2 1/2"

G1/2"-G2 1/2"

Degree of protection: IP66/IP67



Zones 1&2; 21&22

防爆形金属ケーブルグランド (鍍装)



DQM-I

主な特長

- ・防爆筐体へのケーブル引込用
- ・シール性・保持力を確保
- ・鍍装／非鍍装など各種仕様に対応

Explosion protection

Global (IECEX)

Ex eb IIC Gb

Ex tb IIIC Db IP66 / IP67

Europe (ATEX)

Ex II 2 G Ex e IIC Gb

Ex II 2 D Ex tb IIIC Db IP66 / IP67

Certificates: IECEX; ATEX; CU-TR

Gland material:

Stainless steel or nickel plated brass

Connection thread: M20-M115

NPT1/2"-NPT4 1/2"

G1/2"-G4 1/2"

Degree of protection: IP66/IP67



Zones 1&2; 21&22

防爆形ケーブルグランド (非鍍装・シングルシール)



DQM-II

主な特長

- ・防爆筐体へのケーブル引込用
- ・シール性・保持力を確保
- ・鍍装／非鍍装など各種仕様に対応

Explosion protection

Global (IECEX)

Ex d IIC Gb

Ex e IIC Gb

Ex tb IIIC Db IP66

Europe (ATEX)

Ex II 2 G Ex d IIC Gb

Ex II 2 G Ex e IIC Gb

Ex II 2 D Ex tb IIIC Db IP66

Certificates: IECEX; ATEX; CU-TR

Gland material:

Stainless steel or nickel plated brass

Connection thread: M20-M115

NPT1/2"-NPT4"

G1/2"-G4"

Degree of protection: IP66



Zones 1&2; 21&22

防爆形ケーブルグランド (非鎧装・シングルシール)



Steel pipe wiring



DQM-II

主な特長

- ・防爆筐体へのケーブル引込用
- ・シール性・保持力を確保
- ・鎧装／非鎧装など各種仕様に対応

Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex d IIC Gb

Ex e IIC Gb

Ex tb IIIC Db IP66

Europe (ATEX)

Ex II 2 G Ex d IIC Gb

Ex II 2 G Ex e IIC Gb

Ex II 2 D Ex tb IIIC Db IP66

Certificates: IECEX; ATEX; CU-TR

Gland material:

Stainless steel or nickel plated brass

Connection thread: M20-M115

NPT1/2"-NPT4"

G1/2"-G4"

Degree of protection: IP66

防爆形ケーブルグランド (鎧装・ダブルシール)



Cable wiring



Steel pipe wiring



DQM-II

主な特長

- ・防爆筐体へのケーブル引込用
- ・シール性・保持力を確保
- ・鎧装／非鎧装など各種仕様に対応

Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex d IIC Gb

Ex e IIC Gb

Ex tb IIIC Db IP66

Europe (ATEX)

Ex II 2 G Ex d IIC Gb

Ex II 2 G Ex e IIC Gb

Ex II 2 D Ex tb IIIC Db IP66

Certificates: IECEX; ATEX; CU-TR

Gland material:

Stainless steel or nickel plated brass

Connection thread: M20-M115

NPT1/2"-NPT4 1/2"

G1/2"-G4 1/2"

Degree of protection: IP66

防爆形ケーブルグランド (鎧装・鉛被ケーブル用)



Cable wiring



Steel pipe wiring



DQM-II

主な特長

- ・防爆筐体へのケーブル引込用
- ・シール性・保持力を確保
- ・鎧装／非鎧装など各種仕様に対応

Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex d IIC Gb

Ex e IIC Gb

Ex tb IIIC Db IP66

Europe (ATEX)

Ex II 2 G Ex d IIC Gb

Ex II 2 G Ex e IIC Gb

Ex II 2 D Ex tb IIIC Db IP66

Certificates: IECEX; ATEX; CU-TR

Gland material:

Stainless steel or nickel plated brass

Connection thread: M20-M75

NPT1/2"-NPT3"

G1/2"-G3"

Degree of protection: IP66

防爆形ケーブルグランド (非鍍装・ダブルシール)



DQM-II/IV

主な特長

- ・防爆筐体へのケーブル引込用
- ・シール性・保持力を確保
- ・鍍装/非鍍装など各種仕様に対応

Explosion protection

Global (IECEX) (applied for)
 Ex db IIC Gb (M and NPT thread)
 Ex eb IIC Gb (M, NPT and G thread)
 Ex ta IIIC Da (M and NPT thread)
 Europe (ATEX) (applied for)
 Ⓢ II 2 G Ex db IIC Gb (M and NPT thread)
 Ⓢ II 2 G Ex eb IIC Gb (M, NPT and G thread)
 Ⓢ II 1 D Ex ta IIIC Da (M and NPT thread)

Certificates: IECEX; ATEX

Gland material:

Stainless steel or nickel plated brass

Connection thread:

M16-M115
 NPT3/8"-NPT4"
 G3/8"-G4"

Degree of protection: IP66



Zones 1&2; 21&22

防爆形コンパウンドバリアグランド (非鍍装)



DQM-III/I

主な特長

- ・防爆区域向け産業機器
- ・安全性と耐環境性を考慮
- ・使用条件に応じた仕様選定に対応

Explosion protection

Global (IECEX)
 Ex db IIC Gb (M and NPT thread)
 Ex eb IIC Gb (M, NPT and G thread)
 Ex ta IIIC Da (M and NPT thread)
 Europe (ATEX)
 Ⓢ II 2 G Ex db IIC Gb (M and NPT thread)
 Ⓢ II 2 G Ex eb IIC Gb (M, NPT and G thread)
 Ⓢ II 1 D Ex ta IIIC Da (M and NPT thread)

Certificates: IECEX; ATEX; CU-TR

Gland material:

Stainless steel or nickel plated brass

Connection thread:

M20-M115
 NPT1/2"-NPT4"
 G1/2"-G4"

Degree of protection: IP66/IP68



Zones 1&2; 21&22

防爆形コンパウンドバリアグランド (鍍装)



DQM-III/II

主な特長

- ・防爆区域向け産業機器
- ・安全性と耐環境性を考慮
- ・使用条件に応じた仕様選定に対応

Explosion protection

Global (IECEX)
 Ex db IIC Gb (M and NPT thread)
 Ex eb IIC Gb (M, NPT and G thread)
 Ex ta IIIC Da (M and NPT thread)
 Europe (ATEX)
 Ⓢ II 2 G Ex db IIC Gb (M and NPT thread)
 Ⓢ II 2 G Ex eb IIC Gb (M, NPT and G thread)
 Ⓢ II 1 D Ex ta IIIC Da (M and NPT thread)

Certificates: IECEX; ATEX; CU-TR

Gland material:

Stainless steel or nickel plated brass

Connection thread:

M20-M115
 NPT1/2"-NPT4 1/2"
 G1/2"-G4 1/2"

Degree of protection: IP66



Zones 1&2; 21&22

防爆形ケーブルグランド (鎧装・デュアルシール)



Cable wiring



Steel pipe wiring



DQM-CF

主な特長

- ・防爆筐体へのケーブル引込用
- ・シール性・保持力を確保
- ・鎧装／非鎧装など各種仕様に対応

Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db IIC Gb (only for M and NPT thread)

Ex eb IIC Gb

Ex tb IIIC Db

Europe (ATEX)

Ex II 2 G Ex db IIC Gb (only for M and NPT thread)

Ex II 2 G Ex eb IIC Gb

Ex II 2 D Ex tb IIIC Db

Certificates: IECEX; ATEX

Gland material:

Stainless steel or nickel plated brass

Connection thread: M20-M63

NPT1/2"-NPT2"

G1/2"-G2"

Degree of protection: IP66

ステンレス製防爆フレキシブルコンジット



BNG

主な特長

- ・防爆配線施工用アクセサリ
- ・配管・ケーブル接続部に使用
- ・各種材質・ねじ仕様に対応

Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db IIC Gb

Ex eb IIC Gb

Ex tb IIIC Db

Europe (ATEX)

Ex II 2 G Ex db IIC Gb

Ex II 2 G Ex eb IIC Gb

Ex II 2 D Ex tb IIIC Db

Certificates: IECEX; ATEX; CU-TR

Material:

Stainless steel body; connectors at both ends in stainless steel

Type: F/F, M/F or M/M

Connection thread: M20-M63

NPT1/2"-NPT2"

G1/2"-G2"

Degree of protection: IP66

閉止プラグ



BPT

主な特長

- ・防爆区域の電気接続用途
- ・確実な接続と機械的保護
- ・各種定格・接続仕様に対応

Zones 1&2; 21&22

Explosion protection:

Global (IECEX)

Ex db IIC Gb

Ex eb IIC Gb

Ex tb IIIC Db

Europe (ATEX)

Ex II 2 G Ex db IIC Gb

Ex II 2 G Ex eb IIC Gb

Ex II 2 D Ex tb IIIC Db

Certificates: IECEX; ATEX; CU-TR

Material:

Copper-free aluminium alloy, galvanized carbon steel, nickel plated brass or stainless steel

Specification: M20-M115

NPT1/2"-NPT4"

G3/8"-G4"

Degree of protection: IP66

樹脂製閉止プラグ



BPT-e

主な特長

- ・ 防爆区域の電気接続用途
- ・ 確実な接続と機械的保護
- ・ 各種定格・接続仕様に対応

Explosion protection:

Global (IECEX)

Ex e IIC Gb

Ex tb IIIC Db IP66

Europe (ATEX)

Ex II 2 G Ex eb IIC Gb

Ex II 2 D Ex tb IIIC Db

Certificates: IECEX; ATEX

Material: PA66(Polyamide)

Specification: M16-M63

Degree of protection: IP66



Zones 1&2; 21&22

防爆形ドレンプラグ (ブリーザー)



BPS(H)-I

主な特長

- ・ 防爆区域の電気接続用途
- ・ 確実な接続と機械的保護
- ・ 各種定格・接続仕様に対応

Explosion protection:

Global (IECEX)

Ex db IIC T6/T5/96°C (T4) Gb

Ex tb IIIC T80°C/T95°C/T130°C Db

Europe (ATEX)

Ex II 2 G Ex db IIC T6/T5/96°C (T4) Gb

Ex II 2 G Ex tb IIIC T80°C/T95°C/T130°C Db

Certificates: ATEX; IECEX; CU-TR

Material: SS316 (SS304, SS316L is optional)

Specification: M20×1.5

Degree of protection: IP66



Zones 1&2; 21&22

防爆形ドレンプラグ



BPS(H)-II

主な特長

- ・ 防爆区域の電気接続用途
- ・ 確実な接続と機械的保護
- ・ 各種定格・接続仕様に対応

Explosion protection:

Global (IECEX)

Ex eb IIC T6...T4 Gb

Ex tb IIIC T80°C/T95°C/T130°C Db

Europe (ATEX)

Ex II 2 G Ex eb IIC T6...T4 Gb

Ex II 2 G Ex tb IIIC T80°C/T95°C/T130°C Db

Certificates: ATEX; IECEX; CU-TR

Material: Brass (SS304, SS316, SS316L is optional)

Specification: M20×1.5

Degree of protection: IP66



Zones 1&2; 21&22

Ex e用閉止ロッド



Material: Plastic

Specification: Φ8, Φ12, Φ23, Φ32

ケーブルクランプ



Material: Stainless steel.

Function: For DQM Series Explosion-proof Cable Glands, providing additional anti-pulling measures.

Size code: A, B, C, D, E

アースラグ



Material: Nickel plated brass

Function: Earth connection

Specification: φ20-φ115

シュラウド



Material: Polyvinyl chloride (PVC),

Polychlorinated phenylene polyamide (PCP)

Size Code: A, B, C, D, E, F, G, H, I, J

Specification: M20~M115

ロックナット



Material: Galvanized carbon steel, nickel plated brass or stainless steel.

Specification: M16-M115

G1/2"-G4"

歯付ワッシャ



Material: Stainless steel

Specification: M20-M75

シールワッシャ



Material: Teflon(PTFE)

Specification: M16-M115

可搬形防爆換気扇



BTF

主な特長

- ・ 防爆区域の換気・排気用途
- ・ 設備内の空気循環を確保
- ・ 各種風量・電源仕様に对应

Explosion protection

Global (IECEX)(applied for)

Ex db eb h IIC T4 Gb

Ex tb IIIC T130°C Db

Europe (ATEX)(applied for)

Ex II 2 G Ex db eb h IIC T4 Gb

Ex II 2 D Ex tb IIIC T130°C Db

Certificates: IECEX; ATEX

Enclosure material: HDPE

Fan power: 0.25kW, 0.37kW, 0.55kW, 0.75kW

Rated voltage: 110V AC, 220~240V AC,
380~400V AC, 440V AC

Spindle speed: 2900r/min



Zones 1&2; 21&22

防爆形壁掛け排気ファン



BFS

主な特長

- ・ 防爆区域の換気・排気用途
- ・ 設備内の空気循環を確保
- ・ 各種風量・電源仕様に对应

Explosion protection

Global (IECEX)(applied for)

Ex db IIB T4 Gb

Ex db IIC T4 Gb

Ex tb IIIC T130°C Db

Europe (ATEX)(applied for)

Ex II 2 G Ex db IIB T4 Gb

Ex II 2 G Ex db IIC T4 Gb

Ex II 2 D Ex tb IIIC T130°C Db

Certificates: IECEX; ATEX

Enclosure material:

Carbon steel or stainless steel

Rated voltage: 220V, 380V

Spindle speed: 1450r/min



Zones 1&2; 21&22

防爆形軸流ファン



BT35

主な特長

- ・ 防爆区域の換気・排気用途
- ・ 設備内の空気循環を確保
- ・ 各種風量・電源仕様に对应

Explosion protection

Global (IECEX)(applied for)

Ex db IIC T4 Gb

Europe (ATEX)(applied for)

Ex II 2 G Ex db IIC T4 Gb

Certificates: IECEX; ATEX

Enclosure material:

Carbon steel or stainless steel

Rated voltage:

BT35-11-2.8~BT35-11-5: 220V/380V

BT35-11-5.6~BT35-11-7.1: 380V

Spindle speed: 1450r/min



Zones 1&2; 21&22

防爆形壁掛けエアコン



BKF

主な特長

- ・防爆区域向け空調設備
- ・冷暖房・温度管理に対応
- ・設置条件に応じた仕様を選択可能

Zones 2

Explosion protection

ATEX and CU-TR:

Outdoor unit

BYS Compressor  II 3 G Ex nC II 146°C(T3)

BZC Control station  II 3 G Ex d IIB

BDJ-W Fan motor  II 3 G Ex d IIB

Indoor unit

BDJ-N Fan motor  II 2 G Ex d IIB T4

BXK Control station  II 2 G Ex d [ib] ib IIB T4

IECEX:

Outdoor unit

Ex d nC IIB 146°C

Indoor unit

Ex d [ib] ib IIB T4

Whole unit

Ex nC d [ib] ib IIB 146°C

Certificates: IECEX; ATEX; CU-TR

防爆形壁掛けエアコン



BKF(R)

主な特長

- ・防爆区域向け空調設備
- ・冷暖房・温度管理に対応
- ・設置条件に応じた仕様を選択可能

Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex d e ib mb px IIC T4 Gb

Ex ibD tb pD IIIC T130°C Db IP66

Europe (ATEX)

 II 2 G Ex d e ib mb px IIC T4 Gb

 II 2 D Ex ib tb pD IIIC T130°C Db IP66

Certificates: IECEX; ATEX; CU-TR

Rated voltage: 220V~240V 50/60Hz

Input power: 2P, 3P

防爆形陰極防食用変圧整流器



HR-CPTR

主な特長

- ・防爆設備向け電源・電力変換用途
- ・安定した電源供給を支援
- ・各種入力／出力仕様に対応

achieve stable cathodic polarization to inhibit corrosion.

Zones 1&2; 21&22

Explosion protection

Global (IECEX) (applied for)

Ex db ob IIB+H₂ T4 Gb

Ex tb IIIC T130°C Db

Europe (ATEX) (applied for)

 II 2 G Ex db ob IIB+H₂ T4 Gb

 II 2 D Ex tb IIIC T130°C Db

Certificates: IECEX; ATEX; CU-TR

Enclosure material:

Carbon steel or Stainless steel

Rated input voltage:

Single phase 115V~240V AC 50/60Hz

Three phases Max. 480V AC 50/60Hz

Rated output voltage:

Output voltage for each circuit Max. 50V DC

Rated output current:

Output current for each circuit Max. 50A

Rated output power:

Output power for each circuit Max. 2500W

内圧防爆形配電キャビネット

PXK

主な特長

- ・防爆・内圧保護が必要な設備用途
- ・制御機器を安全に収納
- ・用途に応じたシステム構成に対応



cavity and auxiliary cavity are of up and down structure; wall type installation; bottom inlet, front operation and back overhauling.

- ◆ The back doors of cabinet type and console type are of rapid opening device, convenient for user to install and overhaul.

Explosion protection

Global (IECEX)

- Ex Pz IIC Ex pzc IIC T5 Gc
Ex pzc IIIC T95°C Dc
Ex Px IIC Ex db eb pxb IIC T4 Gb
Ex pxb tb IIIC T130°C Db IP66

Europe (ATEX)

- Ex Pz IIC Ex II 3 G Ex pz IIC T5 Gc
Ex II 3 D Ex pD IIIC T95°C Dc IP66
Ex Px IIC Ex II 2 G Ex db eb pxb IIC T4 Gb
(applied for) Ex II 2 D Ex pxb tb IIIC T130°C Db IP66

CU-TR

- Ex Pz IIC 2 Ex pz IIC T6/T4 Gc
Ex tb IIIC T80°C/T130°C Db IP66
Ex Px IIC 1 Ex db px IIC T4 Gb X
Ex px tb IIIC T130°C Db X

Certificates: IECEX; ATEX; CU-TR; INMETRO

Enclosure material:

Stainless steel or powder coated carbon steel

Rated voltage:

Max. 690V AC 50/60Hz, 500V DC (Ex Pz IIC)

Max. 1000V AC 50/60Hz, 1500V DC (Ex Px IIC)

Rated current: Max. 630A

Degree of protection: IP66



Zones 1&2; 21&22

防爆形エンジニアリングキャビン

PXB

主な特長

- ・防爆・内圧保護が必要な設備用途
- ・制御機器を安全に収納
- ・用途に応じたシステム構成に対応



ian is subject to the room size. The type of explosion-proof air conditioner is subject to the room size. With audio and visual alarm interlock system. Illumination system is the explosion-proof fluorescent lamp. The light source of explosion-proof emergency lamp is LED.

Explosion protection

Global (IECEX)

- Ex px IIB T4 Gb
Ex px IIIC T130°C Db
Europe (ATEX)(applied for)
Ex II 2 G Ex px IIB T4 Gb
Ex II 2 D Ex px IIIC T130°C Db

Certificates: IECEX; ATEX

Enclosure material:

Powder coated carbon steel or stainless steel

Normal operating pressure:

50Pa~100Pa(0.0005bar~0.001bar)

Air pressure:

0.4MPa~0.8MPa(4bar~8bar)

Rated voltage of user system:

220V/380V/400V/440V/460V/660V/690V AC

Rated voltage of pressurized control system:

220V/380V AC 50/60Hz

Rated current of pressurized control system:

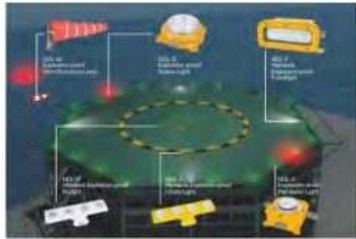
10A

Degree of protection: IP66



Zones 1&2; 21&22

ヘリデッキ着陸支援システム



主な特長

- ・ヘリデッキの安全運用を支援
- ・防爆区域・海洋環境を考慮
- ・視認性と耐環境性を重視

Executive Standard

- ◆ Comply with CAP 437 ICAO Annex 14, IMO standard requirements.
- ◆ Comply with IEC60079, EN60079, GB/T3836 standards.

System Features

- ◆ High-performance explosion-proof security
- ◆ Long-life LED light source> 100000h
- ◆ High degree of protection: IP66 / IP67
- ◆ High anti-corrosion design, adapt to the marine environment
- ◆ Temperature: -40℃~+55℃

ヘリデッキ防爆H灯



HDL-H

主な特長

- ・ヘリデッキの安全運用を支援
- ・防爆区域・海洋環境を考慮
- ・視認性と耐環境性を重視

Explosion protection

- Ex II 2 G Ex db eb IIC T6 Gb
- Ex II 2 D Ex tb IIIC T80℃ Db IP66/IP67

ヘリデッキ防爆サークルライト



HDL-C

主な特長

- ・ヘリデッキの安全運用を支援
- ・防爆区域・海洋環境を考慮
- ・視認性と耐環境性を重視

Explosion protection

- Ex II 2 G Ex db eb IIC T6 Gb
- Ex II 2 D Ex tb IIIC T80℃ Db IP66/IP67

防爆形周辺灯



HDL-P

主な特長

- ・防爆区域向け産業機器
- ・安全性と耐環境性を考慮
- ・使用条件に応じた仕様選定に対応

Explosion protection

- Ex II 2 G Ex db eb IIC T6 Gb
- Ex II 2 D Ex tb IIIC T80℃ Db IP66/IP67

ヘリデッキ防爆投光器



HDL-F

主な特長

- ・広範囲照射に適した防爆照明
- ・高効率LED光源を採用
- ・屋外・厳しい環境での使用を考慮

Explosion protection

- Ⓔ II 2 G Ex db eb mb op is IIC T5 or T4 Gb
- Ⓔ II 2 D Ex op is tb IIIC T95°C or T130°C Db



防爆形ステータス灯



HDL-S

主な特長

- ・防爆区域向け産業機器
- ・安全性と耐環境性を考慮
- ・使用条件に応じた仕様選定に対応

Explosion protection

- Ⓔ II 2 G Ex db eb mb IIC T6 Gb
- Ⓔ II 2 D Ex tb IIIC T80°C Db IP66



防爆形風向灯



HDL-W

主な特長

- ・ヘリデッキの安全運用を支援
- ・防爆区域・海洋環境を考慮
- ・視認性と耐環境性を重視

Explosion protection

- Ⓔ II 2 G Ex db eb op is IIC T6 Gb
- Ⓔ II 2 D Ex tb op is IIIC T80°C Db



防爆形配電盤



HRMD91

主な特長

- ・防爆区域の配電・回路保護用途
- ・機器・回路を筐体内に集約
- ・用途に応じた仕様に対応

Explosion protection

- Ⓔ II 2 G Ex db IIB+H₂ T6 Gb
- Ⓔ II 2 G Ex tb IIIC T80°C Db IP66



防爆形インテリジェント照明器具

BAY51-Q LED □Z

主な特長

- ・防爆区域向け照明器具
- ・視認性と耐環境性を考慮
- ・設備・保守作業用途に対応



Zones 1&2; 21&22

Explosion protection

Global (IECEX) (applied for)

Ex db eb mb IIC T6/T5 Gb

Ex tb IIIC T80°C Db

Europe (ATEX) (applied for)

Ex II 2 G Ex db eb mb IIC T6/T5 Gb

Ex II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX

Material

Enclosure: GRP; Diffuser: Polycarbonate

Lamp

Lamp specification: SMD LED

Lamp power (W): 20W, 40W, 60W, 80W

Degree of protection: IP66

防爆形インテリジェント照明器具

BAY51-D-LED □Z

主な特長

- ・防爆区域向け照明器具
- ・視認性と耐環境性を考慮
- ・設備・保守作業用途に対応



Zones 1&2; 21&22

Explosion protection

Global (IECEX) (applied for)

Ex db IIB T6 Gb

Ex db IIB+H₂ T6 Gb

Ex tb IIIC T80°C Db IP66

Europe (ATEX) (applied for)

Ex II 2 G Ex db IIB T6 Gb

Ex II 2 G Ex db IIB+H₂ T6 Gb

Ex II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX

Material

Enclosure: Copper-free aluminium alloy

Glass tube: Toughened glass

Lamp

Lamp specification: SMD LED

Lamp power (W): 20W, 40W, 60W

Degree of protection: IP66

防爆形インテリジェントペンダントライト

HRY51-G/C LED □Z

主な特長

- ・照明・設備の遠隔監視／制御に対応
- ・通信機能を活用した運用管理
- ・防爆区域のスマート化を支援



Zones 1&2; 21&22

Explosion protection

Global (IECEX) (applied for)

Ex db eb mb IIC T6/T5/T4 Gb

Ex tb IIIC T80°C Db

Europe (ATEX) (applied for)

Ex II 2 G Ex db eb mb IIC T6/T5/T4 Gb

Ex II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX

Material

Enclosure: Stainless steel

Diffuser: Polycarbonate

Lamp

Lamp specification: SMD LED

Lamp power (W): 20W, 40W, 60W, 80W

Degree of protection: IP66/IP67

防爆形インテリジェント照明器具

BnY81-LED □Z

主な特長

- ・防爆区域向け照明器具
- ・視認性と耐環境性を考慮
- ・設備・保守作業用途に対応



Zones 2; 21&22

Explosion protection

Global (IECEX) (applied for)

Ex ec mb IIC T5/T4 Gc

Ex db ec mb IIC T5/T4 Gc

Ex tb IIIC T80°C Db

Europe (ATEX) (applied for)

Ex II 3 G Ex ec mb IIC T5/T4 Gc

Ex II 3 G Ex db ec mb IIC T5/T4 Gc

Ex II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX

Material

Enclosure: GRP; Diffuser: Polycarbonate

Lamp

Lamp specification: SMD LED

Lamp power (W): 20W, 40W, 60W

Degree of protection: IP66

防爆形インテリジェントLED照明器具

HRD91-LED □Z

主な特長

- ・防爆区域向けLED照明
- ・低消費電力・長寿命設計
- ・各種防爆仕様・保護等級に対応



Zones 1&2; 21&22

Explosion protection

Global (IECEX) (applied for)

Ex db IIC T6/T5/T4 Gb

Ex db eb IIC T6/T5/T4 Gb

Ex tb IIIC T80°C/T85°C/T95°C/T100°C Db

Europe (ATEX) (applied for)

Ex II 2 G Ex db IIC T6/T5/T4 Gb

Ex II 2 G Ex db eb IIC T6/T5/T4 Gb

Ex II 2 D Ex tb IIIC T80°C/T85°C/T95°C/T100°C Db

Certificates: IECEX; ATEX

Material

Enclosure: Copper-free aluminium alloy

Transparent cover: Toughened glass

Lamp

Lamp specification: LED

Lamp power (W): 30W, 50W, 70W, 100W

Degree of protection: IP66

防爆形インテリジェントLED照明器具

HRD95-□Z

主な特長

- ・防爆区域向けLED照明
- ・低消費電力・長寿命設計
- ・各種防爆仕様・保護等級に対応



Zones 1&2; 21&22

Explosion protection

Global (IECEX) (applied for)

Ex db IIC T6/T5/T4 Gb

Ex tb IIIC T71°C...T114°C Db

Europe (ATEX) (applied for)

Ex II 2 G Ex db IIC T6/T5/T4 Gb

Ex II 2 D Ex tb IIIC T71°C...T114°C Db

Certificates: IECEX; ATEX

Material

Enclosure: Copper-free aluminium alloy

Glass cover: Toughened glass

Lamp

Lamp specification: LED module

Lamp power (W): 60W, 90W, 120W, 160W

Degree of protection: IP66

防爆形インテリジェントLED投光器

BAT86-□Z

主な特長

- ・広範囲照射に適した防爆照明
- ・高効率LED光源を採用
- ・屋外・厳しい環境での使用を考慮



Zones 1&2; 21&22

Explosion protection

Global (IECEX) (applied for)

Ex db IIB T6/T5 Gb

Ex tb IIIC T80°C/T95°C Db

Ex db IIB+H₂ T6/T4 Gb

Ex tb IIIC T80°C/T130°C Db

Europe (ATEX) (applied for)

Ex II 2 G Ex db IIB T6/T5 Gb

Ex II 2 D Ex tb IIIC T80°C/T95°C Db

Ex II 2 G Ex db IIB+H₂ T6/T4 Gb

Ex II 2 D Ex tb IIIC T80°C/T130°C Db

Certificates: IECEX; ATEX

Material

Enclosure: Copper-free aluminium alloy

Glass cover: Toughened glass

Lamp

Lamp specification: LED module

Lamp power (W): 60W, 90W, 120W, 160W

Degree of protection: IP66

防爆形インテリジェントLED投光器

HRND95-□Z

主な特長

- ・広範囲照射に適した防爆照明
- ・高効率LED光源を採用
- ・屋外・厳しい環境での使用を考慮



Zones 2; 21&22

Explosion protection

Global (IECEX) (applied for)

Ex ec mc IIC T5/T4 Gc

Ex tb IIIC T82°C/100°C Db

Europe (ATEX) (applied for)

Ex II 3 G Ex ec mc IIC T5/T4 Gc

Ex II 2 D Ex tb IIIC T82°C/100°C Db

Certificates: IECEX; ATEX

Material

Enclosure: Copper-free aluminium alloy

Glass cover: Toughened glass

Lamp

Lamp specification: LED module

Lamp power (W): 40W, 60W, 80W, 120W, 160W,

200W, 240W, 300W

Degree of protection: IP66

防爆形インテリジェントLED投光器

HRNT95-□Z

主な特長

- ・広範囲照射に適した防爆照明
- ・高効率LED光源を採用
- ・屋外・厳しい環境での使用を考慮



Zones 2; 21&22

Explosion protection

Global (IECEX) (applied for)

Ex ec mc IIC T5/T4 Gc

Ex tb IIIC T82°C/T88°C/T100°C/T106°C Db

Europe (ATEX) (applied for)

Ex II 3 G Ex ec mc IIC T5/T4 Gc

Ex II 2 D Ex tb IIIC T82°C/T88°C/T100°C/T106°C Db

Certificates: IECEX; ATEX

Material

Enclosure: Copper-free aluminium alloy

Glass cover: Toughened glass

Lamp

Lamp specification: LED module

Lamp power (W): 80W, 120W, 150W, 200W,

240W, 300W

Degree of protection: IP66

防爆形インテリジェントLED街路灯



BAM52-□Z

主な特長

- ・道路・通路向けの防爆照明
- ・LEDによる省エネルギー設計
- ・屋外環境での使用を考慮



Zones 1&2; 21&22

Explosion protection

Global (IECEX) (applied for)

Ex nR IIC T6...T5 Gc

Ex tb IIIC T80°C...T95°C Db

Europe (ATEX) (applied for)

Ex II 3 G Ex nR IIC T6...T5 Gc

Ex II 2 D Ex tb IIIC T80°C...T95°C Db

Certificates: IECEX; ATEX

Material

Enclosure: Aluminium alloy

Glass cover: Toughened glass

Lamp

Lamp specification: LED module

Lamp power (W): 60W, 80W, 100W, 120W, 150W,
160W, 180W, 200W

Degree of protection: IP66

防爆形スマート照明センサー（マイクロ波・照度）



WRD-CG/□

主な特長

- ・防爆区域向け照明器具
- ・視認性と耐環境性を考慮
- ・設備・保守作業用途に対応



testing.

Zones 1&2; 21&22

Explosion protection

Global (IECEX) (applied for)

Ex db IIC T6 Gb

Ex tb IIIC T80°C Db

Europe (ATEX) (applied for)

Ex II 2 G Ex db IIC T6 Gb

Ex II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX

Material

Enclosure: Aluminium alloy

Glass cover: Toughened glass

Rated voltage: 100~277V AC 50/60Hz

Microwave power: <0.3mW

Mounting height: Max.6m(ceiling-mounted)
1.5-1.8m(wall-mounted)

Degree of protection: IP66

防爆形インテリジェント照明センサー（無線対応）



WRD-CG/□

主な特長

- ・防爆区域向け照明器具
- ・視認性と耐環境性を考慮
- ・設備・保守作業用途に対応



testing.

Zones 1&2; 21&22

Explosion protection

Global (IECEX) (applied for)

Ex db IIC T6 Gb

Ex tb IIIC T80°C Db

Europe (ATEX) (applied for)

Ex II 2 G Ex db IIC T6 Gb

Ex II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX

Material

Enclosure: Aluminium alloy

Glass cover: Toughened glass

Max. Input peak current: 0.6A

Max. RMS current: 0.1A

Max. Power dissipation: 0.85W

Max. Input surge voltage: 18V

Degree of protection: IP66

インテリジェント防爆照明制御盤



WRG810

主な特長

- ・防爆区域向け照明器具
- ・視認性と耐環境性を考慮
- ・設備・保守作業用途に対応

Explosion protection

Global (IECEX) (applied for)

Ex db IIC T6 Gb

Ex tb IIIC T80°C Db

Europe (ATEX) (applied for)

Ex II 2 G Ex db IIC T6 Gb

Ex II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX

Operating voltage: AC220/230V 50/60Hz

Communication method:

Zigbee wireless, PLC, web, or fiber optic

Screen size: 8 inches

Degree of protection: IP66



Zones 1&2; 21&22

防爆形インテリジェント通信基地局



WRG600

主な特長

- ・照明・設備の遠隔監視／制御に対応
- ・通信機能を活用した運用管理
- ・防爆区域のスマート化を支援

Explosion protection

Global (IECEX) (applied for)

Ex db IIC T6 Gb

Ex tb IIIC T80°C Db

Europe (ATEX) (applied for)

Ex II 2 G Ex db IIC T6 Gb

Ex II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX

Operating voltage: AC220/230V 50/60Hz

Communication method

Upstream: Fiber or ethernet cable, 4G, 5G

Downstream: Zigbee wireless or power line carrier

Degree of protection: IP66



for easy maintenance after deployment.

Zones 1&2; 21&22

防爆形インターホン電話



HCBK-Z/□

主な特長

- ・防爆区域の音声通信・放送用途
- ・厳しい環境での運用を考慮
- ・設備連絡・警報システムに対応

Explosion protection

Global (IECEX) (applied for)

Ex db ib IIC T6 Gb

Ex tb IIIC T80°C Db

Europe (ATEX) (applied for)

Ex II 2 G Ex db IIC T6 Gb

Ex II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX

Rated voltage:

AC110V, AC220V+15%, 50Hz or 60Hz

Material: Aluminium alloy

Operating current: ≤300mA

Standby current: 10mA

Network communication protocol:

TCP, UDP, ARP, ICMP, IGMP, SIP

Single amplifier output power:

0~50W continuously adjustable

Degree of protection: IP66



Zones 1&2; 21&22

防爆形インターホン電話



HCBK-4

主な特長

- ・防爆区域の音声通信・放送用途
- ・厳しい環境での運用を考慮
- ・設備連絡・警報システムに対応

Explosion protection

Global (IECEX) (applied for)

Ex db ib IIC T6 Gb

Ex tb IIIC T80°C Db

Europe (ATEX) (applied for)

Ex II 2 G Ex db IIC T6 Gb

Ex II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX

Material: Aluminium alloy

Supply voltage: 24-60V

Ringing voltage: AC60V, 25Hz

Supply current: 15mA

Ringing sound level: 90dB

Degree of protection: IP66



Zones 1&2; 21&22

防爆形ホーンスピーカー



BHY

主な特長

- ・防爆区域の音声通信・放送用途
- ・厳しい環境での運用を考慮
- ・設備連絡・警報システムに対応

Explosion protection

Global (IECEX) (applied for)

Ex db IIC T6 Gb

Ex tb IIIC T80°C Db

Europe (ATEX) (applied for)

Ex II 2 G Ex db IIC T6 Gb

Ex II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX

Type:

A: Fixed impedance 8Ω, 16Ω

B: Constant voltage 70V, 100V, 110V, 120V

Power:

5W, 10W, 15W, 20W, 25W, 30W, 35W, 50W

Cable Entries: 70V, 100V, 110V, 120V

Degree of protection: IP66



Zones 1&2; 21&22

ゲースネックマイク



WR501

主な特長

- ・防爆区域の音声通信・放送用途
- ・厳しい環境での運用を考慮
- ・設備連絡・警報システムに対応

Power Supply Method:

DC12V or POE Power Supply

Network Characteristics:

10/100Mbps Ethernet

Loudspeaker:

Built-in 8Ω 3W Loudspeaker

Mounting Method:

Desktop-mounted



industrial environments.

Zones 1&2; 21&22

屋内用スピーカー



WR530

主な特長

- ・防爆区域の音声通信・放送用途
- ・厳しい環境での運用を考慮
- ・設備連絡・警報システムに対応

Impedance

Fixed Impedance 8Ω

Power

5W or 10W (optional)

Cable Entries

M25x1.5 entry size



Zones 1&2; 21&22

防爆形カメラ



BJK-S/G□

主な特長

- ・防爆区域の監視・映像確認用途
- ・遠隔監視・設備保安に対応
- ・用途に応じたカメラ仕様を選択可能

Explosion protection

Global (IECEX)

Ex db IIC T6 Gb

Ex tb IIIC T80°C Db

Europe (ATEX)

Ex II 2 G Ex db IIC T6 Gb

Ex II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX

Rated voltage:

176-264V AC, AC24V, DC24V, DC12V

Material: 304 stainless steel or 316 stainless steel

Pixel: 2 million, 4 million, 8 million

Optical zoom: 4x, 25x, 32x

Focal length:

2.8-12mm, 4.8-120mm, 5.9-188.8mm

Infrared function: Optional

Degree of protection: IP68



Zones 1&2; 21&22

防爆形赤外線サーマル画像解析プロセッサ

(CAMERA)



WRJK-S/RX

主な特長

- ・防爆区域の監視・映像確認用途
- ・遠隔監視・設備保安に対応
- ・用途に応じたカメラ仕様を選択可能

Explosion protection

Global (IECEX) (applied for)

Ex db IIC T6 Gb

Ex tb IIIC T80°C Db

Europe (ATEX) (applied for)

Ex II 2 G Ex db IIC T6 Gb

Ex II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX

Rated voltage: 176-264V AC, 12V DC

Material: 304 stainless steel or 316 stainless steel

Sensor type:

Vanadium oxide uncooled infrared detector

Pixel size: 12μm

Response wavelength band: 8~14μm

Frame rate: 25 fps

Pixels: 384×288, 640×480

Degree of protection: IP68



acquisition of raw data for secondary temperature analysis.

Zones 1&2; 21&22

防爆形一体型カメラ



BJK-YT/□

主な特長

- ・防爆区域の監視・映像確認用途
- ・遠隔監視・設備保安に対応
- ・用途に応じたカメラ仕様を選択可能

connecting equipment.

Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db IIC T6 Gb

Ex tb IIIC T80°C Db

Europe (ATEX)

Ⓔ II 2 G Ex db IIC T6 Gb

Ⓔ II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX

Rated voltage: 176-264V AC, 24V DC

Material: 304 stainless steel or 316 stainless steel

Pixels: 2 million, 4 million, 8 million

Optical zoom: 25x, 32x

Focal length: 4.8~120mm, 5.9~188.8mm

Infrared function: Optional

Degree of protection: IP68

防爆形PTZカメラ



BJK-Q/H

主な特長

- ・防爆区域の監視・映像確認用途
- ・遠隔監視・設備保安に対応
- ・用途に応じたカメラ仕様を選択可能

connecting equipment and supports various trigger rule-based interactions.

Zones 1&2; 21&22

Explosion protection

Global (IECEX) (applied for)

Ex db IIC T6 Gb

Ex tb IIIC T80°C Db

Europe (ATEX) (applied for)

Ⓔ II 2 G Ex db IIC T6 Gb

Ⓔ II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX

Rated voltage:

176-264V AC, 24V AC, 24V DC, 12V DC

Material: Aluminium alloy

Pixels: 2 million, 4 million, 8 million

Optical zoom: 25x, 32x

Focal length: 4.8~120mm, 5.9~188.8mm

Illumination distance: 50m, 80m, 100m

Degree of protection: IP68

防爆形行動監視カメラ



BJK-□/XW□

主な特長

- ・防爆区域の監視・映像確認用途
- ・遠隔監視・設備保安に対応
- ・用途に応じたカメラ仕様を選択可能

connecting equipment and supports various trigger rule-based interactions.

Zones 1&2; 21&22

Explosion protection

Global (IECEX) (applied for)

Ex db IIC T6 Gb

Ex tb IIIC T80°C Db

Europe (ATEX) (applied for)

Ⓔ II 2 G Ex db IIC T6 Gb

Ⓔ II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX

Rated voltage:

176-264V AC, 24V AC, 24V DC, 12V DC

Material: Aluminium alloy or 304 stainless steel or 316 stainless steel

Pixels: 2 million, 4 million, 8 million

Optical zoom: 4x, 25x, 32x

Focal length: 4.8~120mm, 5.9~188.8mm

Illumination distance: 50m, 80m, 100m

Degree of protection: IP68

仕様欄：防爆仕様=Explosion protection 認証=Certificates 材質=Material
接続ねじ=Connection thread 保護等級=Degree of protection 定格=Rated 光源/電力=Lamp/Power

防爆形環境監視カメラ



BJK-□/HJ□

主な特長

- ・防爆区域の監視・映像確認用途
- ・遠隔監視・設備保安に対応
- ・用途に応じたカメラ仕様を選択可能

Zones 1&2; 21&22

Explosion protection

Global (IECEX) (applied for)

Ex db IIC T6 Gb

Ex tb IIIC T80°C Db

Europe (ATEX) (applied for)

Ex II 2 G Ex db IIC T6 Gb

Ex II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX

Rated voltage:

176-264V AC, 24V AC, 24V DC, 12V DC

Material: Aluminium alloy or 304 stainless steel
or 316 stainless steel

Pixels: 2 million, 4 million, 8 million

Optical zoom: 4×, 25×, 32×

Focal length: 4.8~120mm, 5.9~188.8mm

Illumination distance: 50m, 80m, 100m

Degree of protection: IP68

光端末装置



BJK-G

主な特長

- ・防爆区域の光通信設備用途
- ・通信機器・接続部を保護
- ・ネットワーク構築に対応

resistance.

Zones 1&2; 21&22

Explosion protection

Global (IECEX) (applied for)

Ex db IIB T6 Gb

Ex db IIC T6 Gb

Ex tb IIIC T80°C Db

Europe (ATEX) (applied for)

Ex II 2 G Ex db IIB T6 Gb

Ex II 2 G Ex db IIC T6 Gb

Ex II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX

Working voltage: AC 220V, POE

Material: Aluminum alloy, Carbon steel Q235,
Stainless steel 304, Stainless steel 316

Mounting method: Wall-mounted

Degree of protection: IP66

防爆形オーバーフロー静電接地コントローラ



BXCQ-YJC

主な特長

- ・静電気対策・接地確認を支援
- ・タンクローリー等の安全作業に対応
- ・警報・インターロック機能を構成可能

Zones 1&2; 21&22

Explosion protection

Ex II 2 G Ex db ia IIB+H₂ T6 Gb

Ex II 2 D Ex ia tb IIIC T80°C Db IP66

Response time: <1S

Test resistance: <10Ω

Working voltage: 100~250V AC 50/60HZ,
220V~240V AC 50/60Hz, 24V DC

Working current: <20mA

Warning method: Interlocking signal and three
color light instruction

Output signal: Relay output, NO NC is optional,
10A 30VDC or 10A 250VAC

Degree of protection: IP66

防爆形静電接地コントローラ

BXCQ-JC

主な特長

- ・静電気対策・接地確認を支援
- ・タンクローリー等の安全作業に対応
- ・警報・インターロック機能を構成可能



Zones 1&2; 21&22

Explosion protection

Ex II 2 G Ex db ia IIB+H₂ T6 Gb

Ex II 2 D Ex ia tb IIIC T80°C Db IP66

Response time: <1S

Test resistance: <10Ω

Working voltage: 100~250V AC 50/60HZ,
220V~240V AC 50/60Hz, 24V DC

Working current: <20mA

Warning method: sound and light alarm (optional)

Output signal: Relay output, NO NC is optional,
10A 30VDC or 10A 250VAC

Degree of protection: IP66

防爆形オーバーフローコントローラ

BXCQ-YC

主な特長

- ・静電気対策・接地確認を支援
- ・タンクローリー等の安全作業に対応
- ・警報・インターロック機能を構成可能



Zones 1&2; 21&22

Explosion protection

Ex II 2 G Ex db ia IIB+H₂ T6 Gb

Ex II 2 D Ex tb ia IIIC T80°C Db IP66

Response time: <1S

Working voltage: 100~250V AC 50/60HZ,
220V~240V AC 50/60Hz, 24V DC

Working current: <20mA

Warning method: Interlocking signal and three
color light instruction

Output signal: Relay output, NO NC is optional,
10A 30VDC or 10A 250VAC

Degree of protection: IP66

防爆形静電接地コントローラ（人・車両兼用）

BXCQ-JCL

主な特長

- ・静電気対策・接地確認を支援
- ・タンクローリー等の安全作業に対応
- ・警報・インターロック機能を構成可能



Zones 1&2; 21&22

Explosion protection

Ex II 2 G Ex db ia IIB+H₂ T6 Gb

Ex II 2 D Ex tb ia IIIC T80°C Db IP66

Response time: <1S

Test resistance: <10Ω

Working voltage: 220VAC or 24VDC

Working current: <20mA

Warning method: sound and light alarm (optional)

Output signal: Relay output, NO NC is optional,
10A 30VDC or 10A 250VAC

Touching ball material: Electrostatic subconductor

Touching ball diameter: 90mm

Degree of protection: IP66

仕様欄：防爆仕様=Explosion protection 認証=Certificates 材質=Material
接続ねじ=Connection thread 保護等級=Degree of protection 定格=Rated 光源/電力=Lamp/Power

防爆形接続箱



BXJ-IIB

主な特長

- ・防爆区域の配線接続・分岐用途
- ・堅牢な筐体で端子部を保護
- ・用途に応じた引込口・端子構成

Explosion protection

Ex II 2 G Ex db IIB+H₂ T6 Gb

Ex II 2 D Ex tb IIIC T80°C Db IP66

Protection degree: IP66

静電接地クランプ



主な特長

- ・防爆区域向け照明器具
- ・視認性と耐環境性を考慮
- ・設備・保守作業用途に対応

Clamp tooth material: Tungsten alloy

Opening range:

Clamp body material: 304 (316 optional)

耐食スパイラルケーブル



主な特長

- ・防爆区域向け産業機器
- ・安全性と耐環境性を考慮
- ・使用条件に応じた仕様選定に対応

Cable material: Copper wire

Surface material: PU

Standard equipment length: 7m

ホーミングボード



主な特長

- ・防爆区域向け産業機器
- ・安全性と耐環境性を考慮
- ・使用条件に応じた仕様選定に対応

Material: 304 stainless steel

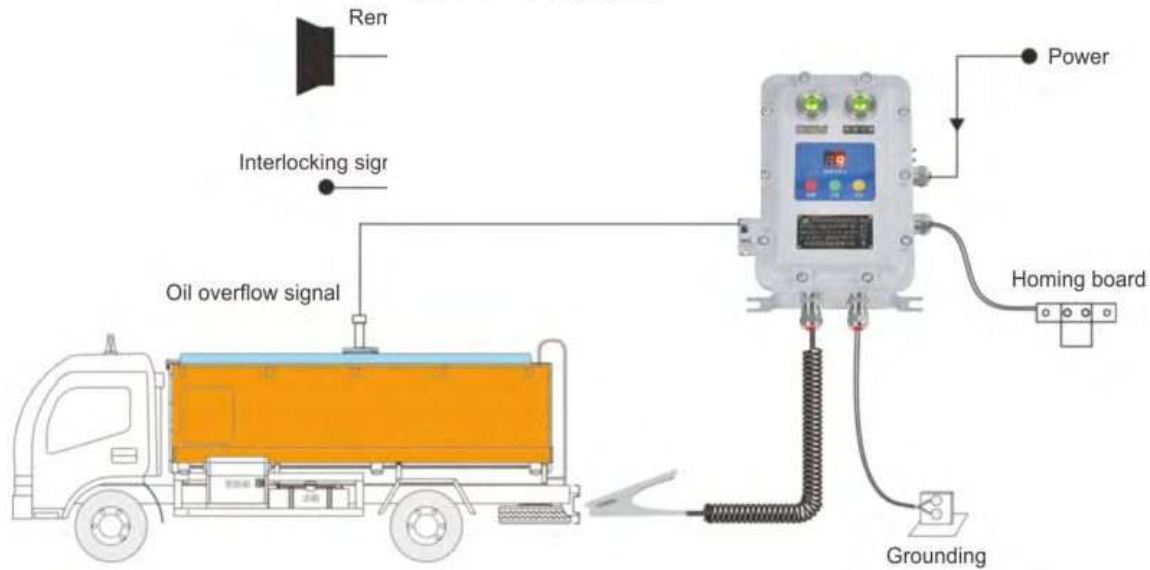
防爆形静電接地・オーバーフロー制御システム（音声案内）

BXCQ-YJC/(II)

(VOICE PROMPT FUNCTION)

主な特長

- ・静電気対策・接地確認を支援
- ・タンクローリー等の安全作業に対応
- ・警報・インターロック機能を構成可能



Zones 1&2; 21&22

防爆形静電接地制御システム

BXCQ-JC

主な特長

- ・静電気対策・接地確認を支援
- ・タンクローリー等の安全作業に対応
- ・警報・インターロック機能を構成可能



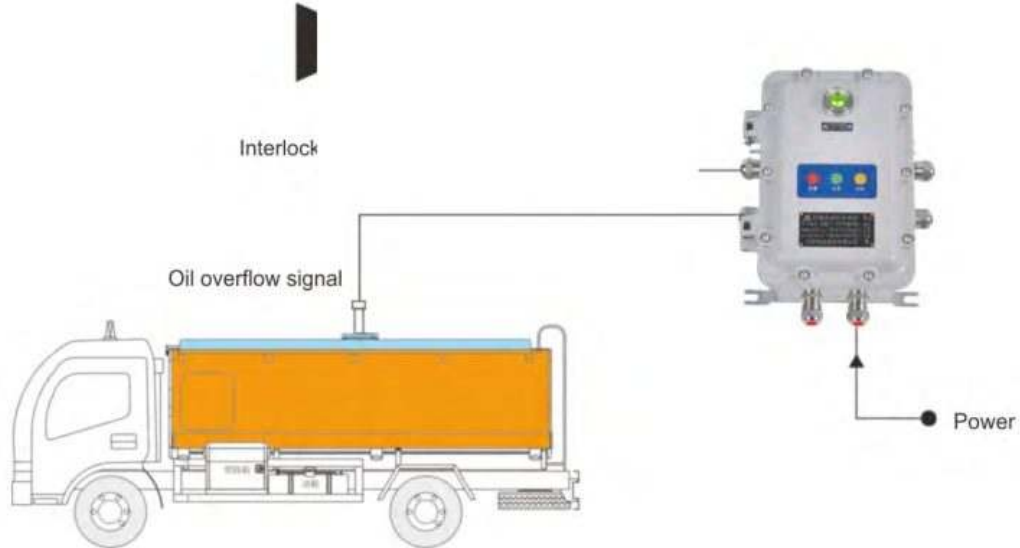
Zones 1&2; 21&22

防爆形オーバーフロー制御システム

BXCQ-YC

主な特長

- ・静電気対策・接地確認を支援
- ・タンクローリー等の安全作業に対応
- ・警報・インターロック機能を構成可能



Zones 1&2; 21&22

防爆形静電接地制御システム（人・車両兼用）

BXCQ-JCL

(DUAL PURPOSES OF MAN AND MO)

主な特長

- ・静電気対策・接地確認を支援
- ・タンクローリー等の安全作業に対応
- ・警報・インターロック機能を構成可能



Zones 1&2; 21&22

防爆形デスクトップ端末



BPC-Z

主な特長

- ・防爆区域向けHMI/表示端末
- ・設備監視・操作用途に対応
- ・システム構成に応じた選択が可能

Explosion protection

Global (IECEX)(applied for)

Ex db eb [ib] IIB T6 Gb

Ex tb IIIC T80°C Db

Europe (ATEX)(applied for)

Ⓔ II 2 G Ex db eb [ib] IIB T6 Gb

Ⓔ II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX

Processor: Intel® H61 or Intel® Q77

CPU: Pentium Duo G2120 3.1G or
Core Quad-Core 4 Threads I5-2400 3.1G or
Core Quad-Core 8 Threads I7-2600 3.4G

Memory:

2GB, supporting up to 16GB with two memory slots

Hard Drive: 500G or 1TB

Degree of protection: IP66



Zones 1&2; 21&22

防爆形モニター



WRBPC-X

主な特長

- ・防爆区域向けHMI/表示端末
- ・設備監視・操作用途に対応
- ・システム構成に応じた選択が可能

Explosion protection

Global (IECEX)(applied for)

Ex db IIB T6 Gb

Ex db IIC T6 Gb

Ex tb IIIC T80°C Db

Europe (ATEX)(applied for)

Ⓔ II 2 G Ex db IIB T6 Gb

Ⓔ II 2 G Ex db IIC T6 Gb

Ⓔ II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX

Screen Size:

15.0 inches, 17.0 inches, 19.0 inches

Optimal Resolution: 1920×1080

Aspect Ratio: 16:9

Degree of protection: IP66



Zones 1&2; 21&22

防爆形タッチ一体型モニター



WRBPC-XM

主な特長

- ・防爆区域向けHMI/表示端末
- ・設備監視・操作用途に対応
- ・システム構成に応じた選択が可能

Explosion protection

Global (IECEX)(applied for)

Ex db IIB T6 Gb

Ex db IIC T6 Gb

Ex tb IIIC T80°C Db

Europe (ATEX)(applied for)

Ⓔ II 2 G Ex db IIB T6 Gb

Ⓔ II 2 G Ex db IIC T6 Gb

Ⓔ II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX

CPU: Intel Core i5 / Intel Core i7

Screen Size:

15.0 inches, 17.0 inches, 19.0 inches

Memory: 8 GB(16GB, 32GB optional)

Storage: 128G SSD(256G, 512G, 1T SSD optional)

Degree of protection: IP66



Zones 1&2; 21&22

ポイント型有毒・可燃性ガス検知器（接触燃焼式）

(CATALYTIC COMBUSTION TYPE)



G□-WRS

主な特長

- ・可燃性／有毒ガスの検知用途
- ・防爆区域の安全監視に対応
- ・検知方式・出力仕様を選択可能

Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db IIC T6 Gb

Ex tb IIIC T80°C Db

Europe (ATEX)

Ex II 2 G Ex db IIC T6 Gb

Ex II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX

Power supply: Systematic: 3.7, 12, 24VDC

Standalone: 220VAC

Power consumption: <3W

Transmission method:

4G, 5G, NB-IoT, LoraWAN, etc.

Detection principle: Catalytic combustion type

Measurement range: (3~100)%LEL

Accuracy: ±3%LEL

Repeatability: ≤2%

Degree of protection: IP65/IP66

ポイント型有毒・可燃性ガス検知器（赤外線式）

(POINT-TYPE INFRARED)



G□-WRS

主な特長

- ・可燃性／有毒ガスの検知用途
- ・防爆区域の安全監視に対応
- ・検知方式・出力仕様を選択可能

Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db IIC T6 Gb

Ex tb IIIC T80°C Db

Europe (ATEX)

Ex II 2 G Ex db IIC T6 Gb

Ex II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX

Power supply: Systematic: 3.7, 12, 24VDC

Standalone: 220VAC

Power consumption: <3W

Transmission method:

4G, 5G, NB-IoT, LoraWAN, etc.

Detection principle: Point-type Infrared

Measurement range: (3~100)%LEL

Accuracy: ±3%LEL

Repeatability: ≤2%

Degree of protection: IP65/IP66

ポイント型有毒・可燃性ガス検知器（電気化学式）

(ELECTROCHEMICAL TYPE)



G□-WRS

主な特長

- ・可燃性／有毒ガスの検知用途
- ・防爆区域の安全監視に対応
- ・検知方式・出力仕様を選択可能

Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db IIC T6 Gb

Ex tb IIIC T80°C Db

Europe (ATEX)

Ex II 2 G Ex db IIC T6 Gb

Ex II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX

Power supply: Systematic: 3.7, 12, 24VDC

Standalone: 220VAC

Power consumption: <3W

Transmission method:

4G, 5G, NB-IoT, LoraWAN, etc.

Detection principle: Electrochemical type

Measurement range: 0~100μmol/mol

Accuracy: ±3%FS

Repeatability: ≤2%

Degree of protection: IP65/IP66

ポイント型有毒・可燃性ガス検知器 (PID光イオン化式)

(PID PHOTOIONIZATION TYPE)



G□-WRS

主な特長

- ・可燃性／有毒ガスの検知用途
- ・防爆区域の安全監視に対応
- ・検知方式・出力仕様を選択可能

Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db IIC T6 Gb

Ex tb IIIC T80°C Db

Europe (ATEX)

Ex II 2 G Ex db IIC T6 Gb

Ex II 2 D Ex tb IIIC T80°C Db

Certificates: IECEX; ATEX

Power supply: Systematic: 3.7, 12, 24VDC

Standalone: 220VAC

Power consumption: <3W

Transmission method:

4G, 5G, NB-IoT, LoraWAN, etc.

Detection principle: PID Photoionization Type

Measurement range: Refer to VOC gas list

Accuracy: ±3%FS

Repeatability: ≤2%

Degree of protection: IP65/IP66

COMBUSTIBLE GAS ALARM CONTROLLER (WIRELESS)



可燃性ガス警報コントローラ (無線)

WRFXX-GD/6016W



WRFXX-GD(W)

- ◆ The gas alarm controller serves as a backend control device within the gas detection system, facilitating data display and equipment management functionalities.
- ◆ Adopting a modular structural design, the system ensures ease of maintenance.
- ◆ Configurable with wireless modules, it enables connectivity to platforms through wireless networks such as

主な特長

- ・可燃性／有毒ガスの検知用途
- ・防爆区域の安全監視に対応
- ・検知方式・出力仕様を選択可能

Enclosure material:

Constructed from aluminum alloy, Q235 Steel, and 304/316 stainless steel

Operating voltage: AC220V±15%, 50/60Hz

Accuracy: 1%FS

Response time: 1s

Display mode:

OLED Display with Chinese and digital concentration indication, capable of displaying gas types

Location information display:

Each channel equipped with location information, tag number, and gas type display

Alarm mode: Audible and visual alarm functions

Input signal: 4-20mA

Output signal: Supports 4-20mA current, RS-485 bus, and CAN bus protocols



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※認証・防爆記号・数値はWAROM原文を優先



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