

Quick Reference Guide

Explosion protection by AKO

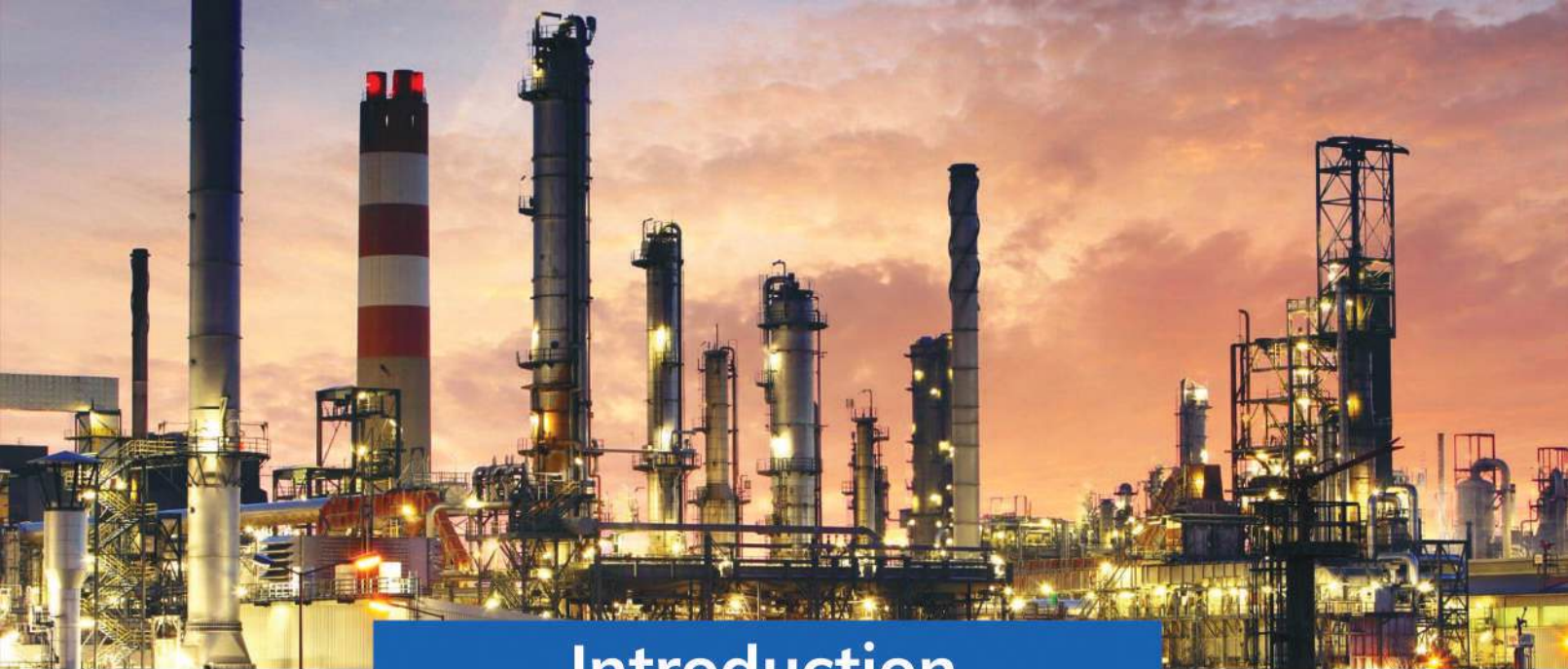


PISHGAMAN TAJHIZ AKO COMPANY



پیشگامان تجهیز آکو
Pishgaman Tajhiz AKO





Introduction

Pishgaman Tajhiz Ako is a specialized supplier of industrial explosion-proof and waterproof electrical equipment in Iran. Our headquarters is located in Tehran, and we are actively engaged in supplying explosion-proof lighting, electrical control and distribution systems, armored cables, instrumentation, and explosion-proof split air conditioners.

Ako Tajhiz products are widely used in high-risk industries such as oil, gas, petrochemical, mining, and power plants. We are the official representative of WAROM in Iran and also supply other reputable explosion-proof brands including CORTEM, STAHL, CEAG, and COSIME. All our equipment is delivered with ATEX and IECEx certifications.

Our engineering team is committed to quality and safety, offering free professional consultations, assistance in selecting the right products, provision of technical documentation, and full project support. All our equipment complies with international standards and is designed to withstand harsh environmental conditions.

Ako Tajhiz is a trusted partner for large-scale industrial projects. Our product range includes explosion-proof LED lights, electrical panels, explosion-proof air conditioners, gas detectors, and safety alarm systems. We are dedicated to delivering safety, high performance, and innovation to Iran's critical industries.

"Let Ako Tajhiz products speak for their own quality!"



EXPLOSION-PROOF LIGHT FITTINGS FOR FLUORESCENT LAMP



BAY51-Q

- ◆ Ex e enclosure with explosion-proof components inside.
- ◆ Safety interlock between enclosure and diffuser, switches off on opening.
- ◆ Emergency unit with protections against overcharge and over-discharge.
- ◆ End of lamp life (EOL) rectification effect protection.
- ◆ Emergency unit with protections against overcharge and over-discharge.

Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex d e q IIC T4 Gb

Ex t IIIC T80°C Db IP66

Europe (ATEX)

Ex II 2 G Ex d e q IIC T4 Gb

Ex II 2 D Ex t IIIC T80°C Db IP66

Certificates: IECEX; ATEX; CU-TR; INMETRO

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, IP67(optional)

EXPLOSION-PROOF LIGHT FITTINGS WITH LED TUBES



BAY51-Q LED

- ◆ Ex e enclosure with explosion-proof components inside.
- ◆ Built-in LED driver, wide voltage input, CC-CV (constant current-constant voltage) output, power factor ≥ 0.95 .
- ◆ Emergency unit with protections against overcharge and over-discharge.

Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db eb op is IIC T6 Gb

Ex db eb q op is IIC T5 or T6 Gb

Ex tb op is IIIC T80°C Db IP66

Europe (ATEX)

Ex II 2 G Ex db eb op is IIC T6 Gb

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

Ex II 2 D Ex tb op is IIIC T80°C Db IP66

Certificates: IECEX; ATEX; CU-TR

Material

Enclosure: GRP; Diffuser: Polycarbonate

Lamp

Lamp specification: LED module

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, IP67(optional)

EXPLOSION-PROOF LIGHT FITTINGS FOR FLUORESCENT LAMP



BAY51

- ◆ Built-in electronic ballast, wide voltage input, rapid starting, stable performance, power factor ≥ 0.95 .
- ◆ Built-in LED driver, wide voltage input, CC-CV (constant current-constant voltage) output, power factor ≥ 0.95 .
- ◆ End of lamp life (EOL) rectification effect protection.

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 G Ex tb IIIC T80°C Gb IP66

Certificates: IECEX; ATEX; CU-TR

Material

Enclosure: Copper-free aluminium

Glass tube: Toughened glass

Lamp

Lamp specification: T8 tube/LED module

Lamp power (W):

T8: 18W x 1, 18W x 2, 36W x 1, 36W x 2, 58W x 1, 58W x 2

LED: 9W x 1, 9W x 2, 18W x 1, 18W x 2, 28W x 1, 28W x 2

Degree of protection: IP66, IP67(optional)

EXPLOSION-PROOF LIGHT FITTINGS FOR FLUORESCENT LAMP



BAY51-D

- ◆ Built-in electronic ballast, wide voltage input, rapid starting, stable performance, power factor $\geq$ 0.95.
- ◆ Built-in LED driver, wide voltage input, CC-CV (constant current - constant voltage) output, power factor $\geq$ 0.95.
- ◆ End of lamp life (EOL) rectification effect protection.
- ◆ Emergency functions are available on request.

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 IP66

Certificates: IECEX; ATEX; CU-TR

Material

Enclosure: Copper-free aluminium
Glass tube: Toughened glass

Lamp

Lamp specification: T8 fluorescent lamp / T5 fluorescent lamp / LED modul

Lamp power (W):

T8: 18Wx2, 36Wx2, 58Wx2

T5: 14Wx2, 28Wx2, 35Wx2

LED: 9Wx2, 18Wx2, 28Wx2

Degree of protection: IP66, IP67(optional)



Zones 1&2; 21&22

EXPLOSION-PROOF LIGHT FITTINGS FOR FLUORESCENT LAMP



HR52

- ◆ T8 Fluorescent Lamps:
Built-in electromagnetic ballast (Electronic ballast is optional, please specify when ordering).
- ◆ LED lamps:
Built-in LED driver, wide voltage input, CC-CV(constant current-constant voltage) output, power factor $\geq$ 0.95.

Explosion protection

PCEC (China)

Ex II 2 G Ex d IIC T6 Gb

Ex tD A21 IP66 T80°C

Certificates: PCEC (China)

Material

Enclosure: Copper-free aluminium

Glass tube: Toughened glass

Lamp

Lamp specification:

T8 fluorescent lamp / LED module

Lamp power (W):

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

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

Degree of protection: IP66

Zones 1&2; 21&22

EXPLOSION-PROOF ANNULAR LIGHT FITTINGS FOR FLUORESCENT LAMP



BAY-H

- ◆ Powder coated wire guard, white.
- ◆ Toughened glass cover resistant to temperature changes.

Explosion protection

Global (IECEX)

Ex d IIB T5

Europe (ATEX)

Ex II 2 G Ex d IIB T5

Certificates: IECEX; ATEX

Material

Enclosure: Copper-free aluminium

Transparent cover: Toughened glass

Lamp

Lamp specification: Biax 2D-4pin (GE Brand)

Lamp power (W): 21W x 1, 21W x 2

LED 10W, LED 20W

Lamp holder: GR-10q

Degree of protection: IP65



Zones 1&2; 21&22



EXPLOSION-PROOF LIGHT FITTINGS FOR FLUORESCENT LAMP



BnY81

- ◆ Built-in electronic ballast, wide voltage input, rapid starting, stable performance, power factor ≥ 0.95 .
- ◆ LED light fittings:
Built-in LED driver, wide voltage input, CC-CV (constant current-constant voltage) output, power factor ≥ 0.95 .
- ◆ Only dual tube light fittings have emergency lighting function.
- ◆ End of lamp life (EOL) rectification effect protection.

Zones 2; 21&22

Explosion protection

Global (IECEX)

Ex nA IIC T4 Gc

Ex t IIIC T80°C Db IP66

Europe (ATEX)

Ex II 3 G Ex nA IIC T4 Gc

Ex II 2 D Ex t IIIC T80°C Db IP66

Certificates: IECEX; ATEX; CU-TR

Material

Enclosure: Polycarbonate; Diffuser: Polycarbonate

Lamp

Lamp specification: T8 tube/LED module

Lamp power (W):

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

Degree of protection: IP66, IP67(optional)

EXPLOSION-PROOF LIGHT FITTINGS FOR FLUORESCENT LAMP



HR51-G/C

- ◆ Built-in electronic ballast, power factor ≥ 0.95 .
- ◆ LED driver, wide voltage input, CC-CV (constant current-constant voltage) output, power factor ≥ 0.95 .
- ◆ End of lamp life (EOL) rectification effect protection.
- ◆ Emergency functions is available on request.

Zones 2; 21&22

Explosion protection

Global (IECEX)(applied for)

Ex db eb q IIC T4 Gb

Ex db eb op is IIC T6 Gb

Ex db eb q op is IIC T5 or T6 Gb

Ex tb IIIC T80°C Db IP66

Europe (ATEX)(applied for)

Ex II 2 G Ex db eb q IIC T4 Gb

Ex II 2 G Ex db eb op is IIC T6 Gb

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

Ex II 2 D Ex tb IIIC T80°C Db IP66

Certificates: IECEX; ATEX; CU-TR

Material

Enclosure: Stainless steel

Glass cover: Toughened glass

Lamp

Lamp specification:

T8 fluorescent lamp / LED module

Lamp power (W):

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

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

Degree of protection: IP66

EXPLOSION-PROOF FLUORESCENT LAMP FOR DERRICK



HR51-QT

- ◆ Built-in electronic ballast, power factor ≥ 0.95 .
- ◆ Special-made mounting bracket, the illumination angle can be adjusted on request.
- ◆ Emergency function is available on request.
- ◆ End of lamp life (EOL) rectification effect protection.

Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex d e q IIC T4 Gb

Ex tb IIIC T80°C Db IP66

Europe (ATEX)(applied for)

Ex II 2 G Ex d e q IIC T4 Gb

Ex II 2 D Ex tb IIIC T80°C Db IP66

Certificates: IECEX; ATEX; PCEC(China)

Material

Enclosure: Copper-free aluminium

Diffuser: Polycarbonate

Lamp

Lamp specification: T8 tube

Lamp power (W): 18Wx2, 36Wx2

Emergency power (W): 18Wx1, 36Wx1

Degree of protection: IP66



EXPLOSION-PROOF LED LIGHTINGS



HRD91-LED

- ◆ Isolated LED lamp compartment, CC-CV (constant current-constant voltage) power controller compartment and terminal compartment; Wind-convection heat dissipation structure;
- ◆ Low-maintenance due to long service life is up to 100,000 operating hours.

Zones 1&2; 21&22

Explosion protection

Global (IECEx)

Ex db eb op is IIC T6 or T5 Gb

Ex db op is IIC T6 or T5 Gb

Ex tb op is IIIC T80°C or T95°C Db IP66

Europe (ATEX)

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

Ex II 2 G Ex db op is IIC T6 or T5 Gb

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

Certificates: IECEx; ATEX; CU-TR

Material

Enclosure: Copper-free aluminium

Transparent cover: Toughened glass

Lamp

Lamp specification: Integrated LED, Multiple LED

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

Degree of protection: IP66

EXPLOSION-PROOF LED LIGHTINGS



HRD95

- ◆ Isolated LED lamp compartment, CC-CV (constant current-constant voltage) power controller compartment and terminal compartment; Wind-convection heat dissipation structure.
- ◆ International brand white light LED, reasonable arrangement of multi LED, high lighting efficiency and long service life.
- ◆ Two types of light distribution: spotlight and floodlight, which can be selected on request.
- ◆ Low-maintenance due to long service life is up to 100,000 operating hours.

Zones 1&2; 21&22

Explosion protection

Global (IECEx)

Ex db op is IIC T□ Gb

Ex tb op is IIIC T□ Db IP66

Europe (ATEX)

Ex II 2 G Ex db op is IIC T□ Gb

Ex II 2 D Ex tb op is IIIC T□ Db IP66

Certificates: IECEx; ATEX; CU-TR

Material

Enclosure: Copper-free aluminium

Glass cover: Toughened glass

Lamp

Lamp specification: LED module, Multiple LED

Lamp power (W):

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

Degree of protection: IP66, IP67(optional)

EXPLOSION-PROOF LED LIGHTINGS



HRD96

- ◆ Isolated LED lamp compartment, CC-CV (constant current-constant voltage) power controller compartment and terminal compartment; Wind-convection heat dissipation structure.
- ◆ International brand white light LED, reasonable arrangement of multi LED, high lighting efficiency and long service life.
- ◆ Two types of light distribution: spotlight and floodlight, which can be selected on request.
- ◆ Low-maintenance due to long service life is up to 100,000 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 IP66

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 IP66

Certificates: IECEx; ATEX

Material

Enclosure: Copper-free aluminium

Glass cover: Toughened glass

Lamp

Lamp specification: LED module, Multiple LED

Lamp power (W): 30W, 60W, 120W

Degree of protection: IP66, IP67(optional)



EXPLOSION-PROOF EMERGENCY LED LIGHT FITTINGS



HRJ

- ◆ International brand white light LED, reasonable arrangement of multi LED, high lighting efficiency and long service life.
- ◆ Emergency device with battery pack, charging automatically; when power supply is cut off, the emergency device starts to work; with overcharge and overdischarge protection.
- ◆ Toughened glass cover resistant to temperature changes.
- ◆ Low-maintenance due to long service life is up to 100,000 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 IP66
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 IP66

Certificates:

IECEx; ATEX; CU-TR (applied for)

Material

Enclosure: Copper-free aluminium
Glass cover: Toughened glass

Lamp

Lamp specification:
LED module, Multiple LED
Lamp power (W): 30W, 60W
Emergency power (W): 20W, 40W

Degree of protection: IP66, IP67(optional)

EXPLOSION-PROOF LED LIGHTINGS



BDD95

- ◆ New COB technology, large power and white light LED array, power of single LED can reach 20W~40W, high lighting efficiency, long service life.
- ◆ Two types of light distribution: spotlight and floodlight, which can be selected on request.
- ◆ 160 type lightings adopt light fitting integrated two lamps, the power of whole machine is of 2x120W, 2x160W
- ◆ Low-maintenance due to long service life is up to 100,000 operating hours.

Zones 1&2; 21&22

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

Explosion protection

Global (IECEx)
Ex db e IIC T□ Gb
Ex tb IIIC T□ Db IP66
Europe (ATEX)
Ex II 2 G Ex db e IIC T□ Gb
Ex II 2 D Ex tb IIIC T□ Db IP66

Certificates:

IECEx; ATEX; UL; CU-TR; INMETRO

Material

Enclosure: Copper-free aluminium
Glass cover: Toughened glass

Lamp

Lamp specification:
Integrated LED, Multiple LED
Lamp power (W): 60W, 90W, 120W, 160W

Degree of protection: IP66, IP67(optional)

EXPLOSION-PROOF LED FLOODLIGHTS



BAT86

- ◆ Isolated LED lamp compartment, CC-CV (constant current-constant voltage) power controller compartment and terminal compartment; Wind-convection heat dissipation structure.
- ◆ Standard product is of floodlight effect, lens of 40° and 60° can be provided on request to realize spotlight effect.
- ◆ Low-maintenance due to long service life is up to 100,000 operating hours.

Zones 1&2; 21&22

Explosion protection

Global (IECEx)
Ex db IIB+H2 T□ Gb
Ex tb IIIC T□ Db IP□
Europe (ATEX)
Ex II 2 G Ex db IIB+H2 T□ Gb
Ex II 2 D Ex tb IIIC T□ Db IP□

Certificates: IECEx; ATEX; CU-TR; INMETRO

Material

Enclosure: Copper-free aluminium
Glass cover: Toughened glass

Lamp

Lamp specification:
LED module, Multiple LED
Lamp power (W):
60W, 90W, 120W, 160W, 200W, 240W

Degree of protection: IP65; IP66; IP67(optional)

EXPLOSION-PROOF LED FLOODLIGHTS



HRT96

- ◆ Isolated LED lamp compartment and terminal compartment;
- ◆ Wind-convection heat dissipation structure.

Zones 1&2; 21&22

Explosion protection

Global (IECEX)(applied for)

Ex db op is IIC T6 Gb

Ex tb op is IIIC T80°C Db IP66

Europe (ATEX)(applied for)

Ex II 2 G Ex db op is IIC T6 Gb

Ex II 2 D Ex tb op is IIIC T80°C Db IP66

Certificates: IECEX; ATEX; CU-TR

Material

Enclosure: Copper-free aluminium

Glass cover: Toughened glass

Lamp

Lamp specification: LED module, Multiple LED

Lamp power (W): 80W, 160W, 240W

Degree of protection: IP66

EXPLOSION-PROOF LED LIGHTINGS



HRND95

- ◆ International brand white light LED, reasonable arrangement of multi LED, high lighting efficiency and long service life.
- ◆ Two types of light distribution: spotlight and floodlight, which can be selected on request.
- ◆ Standard luminaries equip without lens, 30° lens and 60° lens which are optional, please indicate when placing an order.
- ◆ Standard luminaries do not equip with external lampshade, if need, please specify.
- ◆ Low-maintenance due to long service life is up to 100,000 operating hours.

Zones 2; 22

Explosion protection

Global (IECEX)

Ex nR IIC T□ Gc

Ex tc IIIC T□ Dc IP66

Europe (ATEX)

Ex II 3 G Ex nR IIC T□ Gc

Ex II 3 D Ex tc IIIC T□ Dc IP66

Certificates: IECEX; ATEX; CU-TR

Material

Enclosure: Copper-free aluminium

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

EXPLOSION-PROOF LED FLOODLIGHTS



HRNT95

- ◆ International brand white light LED, reasonable arrangement of multi LED, high lighting efficiency and long service life.
- ◆ Two types of light distribution: spotlight and floodlight, which can be selected on request.
- ◆ Standard luminaries equip with 60° lens, 30° lens which is optional, please indicate when placing an order.
- ◆ Low-maintenance due to long service life is up to 100,000 operating hours.

Zones 2; 22

Explosion protection

Global (IECEX)

Ex nR IIC T□ Gc

Ex tc IIIC T□ Dc IP66

Europe (ATEX)

Ex II 3 G Ex nR IIC T□ Gc

Ex II 3 D Ex tc IIIC T□ Dc IP66

Certificates: IECEX; ATEX; CU-TR

Material

Enclosure: Copper-free aluminium

Glass cover: Toughened glass

Lamp

Lamp specification: LED module, Multiple LED

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

Degree of protection: IP66



EXPLOSION-PROOF LIGHT FITTINGS



HRD61

- ◆ Three enclosure types: 150, 250, 400
- ◆ Integral control gear, easy installation and maintenance.
- ◆ Explosion-proof trigger, rapid starting, stable performance and long service life.
- ◆ Wireless connection between body and top cover, easy installation and maintenance.
- ◆ Powder coated wire guard, white.

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)

Ex II 2 G Ex d IIC T4 or T3 Gb

Ex II 2 D Ex tb IIIC T130°C or T190°C Db IP66

Certificates: IECEX; ATEX; CU-TR

Material

Enclosure: Copper-free aluminium

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

EXPLOSION-PROOF LIGHTINGS



BDD81

- ◆ The light fittings are supplied without lamp. PHILIPS lamps are recommended.

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; CU-TR

Material

Enclosure: Copper-free aluminium

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, IP67(optional)

EXPLOSION-PROOF LIGHT FITTINGS



BDD91

- ◆ Applicable lamp (max.400W):
-Metal halide lamp (HIE)
-High pressure sodium lamp (HSE)
-High pressure mercury lamp (HME)
- ◆ Three enclosure types: 150, 250, 400
- ◆ Integral control gear, easy installation and maintenance.

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 tb IIIC T130°C Db IP66

Certificates: IECEX; ATEX; CU-TR

Material

Enclosure: Copper-free aluminium

Transparent cover: Toughened glass

Lamp

Available lamp and lamp power (W):

Available lamp:

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

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

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

Lamp holder: E27, E40

Note: HPI European standard ballast is available in general.

Degree of protection: IP66, IP67(optional)

EXPLOSION-PROOF LIGHT FITTINGS



BnD81

- ◆ Applicable lamp (max.400W):
-Metal halide lamp (HIE)
-High pressure sodium lamp (HSE)
-High pressure mercury lamp (HME)
- ◆ Three enclosure types: 150, 250, 400
- ◆ Integral control gear, easy installation and maintenance.
- ◆ Both American standard and European standard are available.

Zones 2; 21&22

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

Explosion protection

Global (IECEX)

Ex nR IIC T4 or T3 Gc
Ex t IIIC T130°C or T190°C Db IP65
Europe (ATEX)

Ex II 3 G Ex nR IIC T4 or T3 Gc

Ex II 2 D Ex tb IIIC T130°C or T190°C Db IP65

Certificates: IECEX; ATEX; UL; CU-TR

Material

Enclosure: Copper-free aluminium
Transparent cover: Toughened glass

Lamp

Lamp holder:

American Standard: E26, E39; European Standard: E27, E40

Available lamp and lamp power (W):

Available lamp	American Standard	European Standard
HIE	70W, 100W, 150W, 175W, 250W, 400W	70W, 100W, 150W, 250W, 400W
HSE	70W, 100W, 150W, 250W, 400W	70W, 100W, 150W, 250W, 400W
HME	-	80W, 125W, 250W, 400W

Note: Please see Selection table of American standard HID lamp and corresponding electrical components

Degree of protection: IP65

EXPLOSION-PROOF FLOODLIGHTS



BAT53

- ◆ Four enclosure types: 125, 250, 400, 1000.
- ◆ Integral control gear, easy installation and maintenance.
- ◆ Rapid starting trigger, stable performance and long service life.

Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex d e IIB T□ Gb

Ex tb IIIC T□ Db IP66

Europe (ATEX)

Ex II 2 G Ex db e IIB T□ Gb

Ex II 2 D Ex tb IIIC T□ Db IP66

Certificates: IECEX; ATEX

Material

Enclosure: Copper-free aluminium

Glass cover: Toughened glass

Lamp

Lamp holder: E27, E40

Available lamp and lamp power (W):

High pressure sodium lamp (HSE): 70W, 100W, 150W, 250W, 400W (tubular), 1000W

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

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

Note: HPI European standard ballast is available in general

Degree of protection: IP66

EXPLOSION-PROOF FLOODLIGHTS



BAT85

- ◆ Integral control gear, easy installation and maintenance.
- ◆ The light fittings are supplied without lamp. PHILIPS lamps are recommended.
- ◆ Both American standard and European standard are available.

Zones 1&2; 21&22

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

Explosion protection

Global (IECEX)

Ex db IIC T3 or xxx°C Gb

Ex tb IIIC Txxx°C Db IP66

Europe (ATEX)

Ex II 2 G Ex db IIC T3 or xxx°C Gb

Ex II 2 D Ex tb IIIC Txxx°C Db IP66

Certificates: IECEX; ATEX; CU-TR

Material

Enclosure: Copper-free aluminium

Glass cover: Toughened glass

Lamp

Lamp holder:

European standard: E40, American standard: 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): 250W, 400W

Degree of protection: IP66



EXPLOSION-PROOF FLOODLIGHTS



BnT81

- ◆ Two enclosure types: 400, 1000.
- ◆ Type 400:
Lamp and ballast are of integral type.
- Type 1000:
Lamp and ballast are split type.
- ◆ Both American standard and European standard are available.
- ◆ Type 400 are supplied without lamp, PHILIPS lamps are recommended.
- ◆ Type 1000 are supplied with lamp.

Zones 2; 21&22

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

Explosion protection

Global (IECEX)

Ex nR IIC xxx Gc

Ex t IIIC Txxx°C Db IP65

Europe (ATEX)

Ex II 3 G Ex nR IIC xxx Gc

Ex II 2 D Ex t IIIC Txxx°C Db IP65

Certificates: IECEX; ATEX; UL

Material

Enclosure: Copper-free aluminium

Glass cover: Toughened glass

Lamp

Lamp holder:

American Standard: E39; European Standard: E40

Available lamp and lamp power (W):

HIE: 250W, 400W, 1000W

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

Note: Please see Selection table of American standard

HID lamp and corresponding electrical components

Degree of protection: IP65

EXPLOSION-PROOF FLOODLIGHTS



HRT81

- ◆ Two enclosure types: 400, 1000.
- ◆ Type 400:
Lamp and ballast are of integral type.
- Type 1000:
Lamp and ballast are split type.
- ◆ Type 400 are supplied without lamp, PHILIPS lamps are recommended.
- ◆ Type 1000 are supplied with lamp.

Zones 2; 21&22

Explosion protection

Global (IECEX)

Ex nR IIC T□ Gc

Ex t IIIC T□ Db IP66

Europe (ATEX)

Ex II 3 G Ex nR IIC T□ Gc

Ex II 2 D Ex tb IIIC T□ Db IP66

Certificates: IECEX; ATEX

Material

Enclosure: 316 stainless steel

Glass cover: Toughened glass

Lamp

Lamp holder: E40

Available lamp and lamp power (W):

HIE: 250W, 400W, 1000W

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

Note: HPI European standard ballast is available in general

Degree of protection: IP65

PORTABLE SEARCHLIGHT



HRD305

- ◆ Heat resistant: LED radiator and battery are effectively isolated, which improves the stability of the light.
- ◆ Intelligent control: pulse dimming technology, strong light and working light can be changed at random, with battery detection indicator, which can detect the working condition at any time, intelligent charger is with protection circuit.
- ◆ Portable and flexible: small volume, light weight, several types of handling like portable and on shoulder, meet different working requirement.

Zones 1&2; 21&22

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; CU-TR

Lamp (LED)

Rated power: 9W/3W

Current of strong light: 900mA

Degree of protection: IP68



SEARCHLIGHT



HRD309E

- ◆ Safe and reliable:
The product with good explosion-proof performance and antistatic effect, can safely and reliably work in various combustible areas.
- ◆ Efficient and energy-saving:
LED solid lamp, low energy consumption, high luminous efficacy, long service life, maintenance free and no subsequent usage cost, memory-free battery is recyclable, pollution-free.

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

EXPLOSION-PROOF INCANDESCENT HAND LAMPS



BSX-60

- ◆ Incandescent lamps: Max. 60W
- ◆ Cable on request.
- ◆ Handle in plastic, with control pushbutton.
- ◆ Powder coated wire guard, white.
- ◆ Movable transformer on request.

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

Lamp

Lamp holder: E27

Available lamp:

Incandescent lamp: 25W, 40W, 60W; LED: 3W, 5W, 8W

Degree of protection: IP65



Zones 1&2

EXPLOSION-PROOF EMERGENCY LIGHT FITTINGS



BAJ52-20

- ◆ Lighting angle can be adjusted.
- ◆ Low-power halogen tungsten lamps, with reflector to increase lighting intensity.
- ◆ Emergency device with Ni-MH batteries, charging automatically; when power supply is cut off, the emergency device starts to work; with overcharge and overdischarge protection.

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

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



Zones 1&2



EXPLOSION-PROOF EMERGENCY EXIT LIGHT FITTINGS



BAYD85

- ◆ Designed with test button and sleep button. The test button is for testing. Press the button, lamp shall automatically enter into emergency status. The sleep button is to stop the lamp source output, press this button, the lamp turned off, re-press the button, lamp on and return to work.
- ◆ Ultra-bright LED lamp, low power consumption and long service life up to 50,000 hours; energy saving and environmental protection.

Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex d IIB T6 Gb

Ex tb IIIC T80°C Db IP66

Europe (ATEX)

Ex II 2 G Ex d IIB T6 Gb

Ex II 2 D Ex tb IIIC T80°C Db IP66

Certificates: IECEX; ATEX; CU-TR

Material

Enclosure: Copper-free aluminium

Lamp

LED lamp (working voltage DC 3.6V)

Power consumption: 4W

Emergency time: 180min

Degree of protection: IP66, IP67(optional)

EXPLOSION-PROOF TANK INSPECTION VESSEL LIGHT FITTINGS



BAK51

- ◆ Available for 35W or 50W halogen tungsten lamp, with high light efficiency and long service life.
- ◆ A or B mounting type is optional.

Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db IIB T3 Gb

Ex tb IIIC T190°C Db IP66

Europe (ATEX)

Ex II 2 G Ex db IIB T3 Gb

Ex II 2 D Ex tb IIIC T190°C Db IP66

Certificates: IECEX; ATEX

Material

Enclosure: Copper-free aluminium

Lamp

Available lamp: Halogen tungsten lamp

Lamp holder: GY6.35

Lamp power (W): 35W, 50W

Degree of protection: IP66

EXPLOSION-PROOF LED TANK INSPECTION VESSEL LIGHT FITTINGS



BAK85

- ◆ Applicable lamp and power: LED lamps; energy-saving and long service life, 9W.

Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db op is IIC T6 Gb

Ex tb op is IIIC T80°C Db IP66/IP67

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 IP66/IP67

Certificates: IECEX; ATEX

Material

Enclosure: Copper-free aluminium

Glass cover: Toughened glass

Lamp

Lamp specification:

International brand of LED module

Lamp power (W): 9W

Degree of protection: IP66

EXPLOSION-PROOF CAUTION SPOTLIGHT FITTINGS



BSZD81-E

BSZD81-C



BSZD81

- ◆ Ultra-bright LED lamp, low consumption and long service life up to 50,000 hours, integrated chip control with various circuit protection.
- ◆ Synchronous flashing of light fittings through signal lines.
- ◆ Low luminous intensity.

Zones 1&2; 21&22

Explosion protection

Global (IECEX)

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; IECEX; CU-TR

Material

Enclosure: Copper-free aluminium

Transparent cover: Toughened glass

Lamp

Lamp specification: LED

Lamp power (W):

BSZD81-E: < 10W (continuous work)

BSZD81-C: 40W (continuous work)

Degree of protection: IP65

EXPLOSION-PROOF AUDIO AND VISUAL CAUTION SPOTLIGHT FITTINGS



BBJ81

- ◆ Ultra-bright LED lamp, low power consumption and long service life.
- ◆ Lamp colours: red, blue, yellow, green.

Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex d ib IIC T6 Gb

Ex t IIIC T80 °C Db IP66

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

Transparent cover: Toughened glass

Lamp

Lamp specification: LED

Lamp power (W): 5W

Degree of protection: IP66, IP67(optional)

EXPLOSION-PROOF CAUTION SPOTLIGHT FITTINGS



BJD81

- ◆ Ultra-bright LED lamp, low power consumption and long service life.
- ◆ Lamp colour: red, blue, yellow, green.

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 t IIIC T80 °C Db IP66

Certificates: ATEX; IECEX; CU-TR

Material

Enclosure: Copper-free aluminium

Transparent cover: Toughened glass

Lamp

Lamp specification: LED

Lamp power (W): 3W

Lamp colour: Red, blue, yellow, green

Degree of protection: IP66, IP67(optional)



EXPLOSION-PROOF ILLUMINATION SWITCHES



BZM

- ◆ Two options:
-On-off switch
-Changeover switch



Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex d 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 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

EXPLOSION-PROOF JUNCTION BOXES



BHD51

- ◆ Six types: A, B, C, D, E, F.
- ◆ Type A, B, C, D, E in Copper-free Aluminium Alloy only;
Type F in Copper-free Aluminium Alloy or cast iron.



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 t IIIC T80°C Db IP66

Certificates: IECEX; ATEX; CU-TR

Enclosure material:

Copper-free Aluminium Alloy or cast iron, powder coated surface

Exposed fastener: Stainless steel

Rated voltage: Max. 500V AC

Rated current: 20A

Degree of protection: IP66, IP67(optional)

EXPLOSION-PROOF JUNCTION BOXES



BHD91

- ◆ Four types: A, B, C, D



Zones 1&2; 21&22

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

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; 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, IP67(optional)

EXPLOSION-PROOF TERMINAL BOXES



Ex d IIB



BXJ-IIB

- ◆ Size and direction of cable entries can be customized on request.

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; CU-TR

Enclosure material:

Copper-free Aluminium Alloy (carbon steel or stainless steel is optional), 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, IP67(optional)

EXPLOSION-PROOF TERMINAL BOXES



Ex d IIC



BXJ-IIC

- ◆ Size and direction of cable entries can be customized on request.

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; CU-TR

Enclosure material:

Copper-free Aluminium Alloy(carbon steel or stainless steel is optional), 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	70mm ²	95mm ²
Rated current	24A	32A	41A	57A	76A	125A	192A	250A

Degree of protection: IP65

TERMINAL BOXES



Ex e IIC



BXJ-e

- ◆ Size and direction of cable entries can be customized on request.

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(carbon steel or stainless steel is optional), 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	125A
Ex ib Rated current	5A	5A	5A	-	-	-

Degree of protection: IP66, IP67(optional)



TERMINAL BOXES



BXJ8050

- ◆ International brand of explosion-proof terminal blocks.

Zones 0&1&2; 21&22

Explosion protection

Global (IECEX)
Ex e IIC T6 or T5 Gb
Ex ia IIC T6 Ga
Ex tb IIIC T80°C Db IP66
Europe (ATEX)
Ex II 2 G Ex e IIC T6 or T5 Gb
Ex II 1 G Ex ia IIC T6 Ga
Ex II 2 D Ex tb IIIC T80°C Db IP66

Certificates:

IECEX; ATEX; CU-TR

Enclosure material:

GRP (glass fibre-reinforced polyester resin)

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	125A
Ex ia Rated current	5A	5A	5A	-	-	-

Degree of protection: IP66, IP67(optional)

JUNCTION BOXES



BXJ8050-20/6

- ◆ GRP (glass fibre-reinforced polyester resin) enclosure.

Zones 1&2; 21&22

Explosion protection

Global (IECEX)
Ex e II T6
Europe (ATEX)
Ex II 2 G Ex e IIC T6 Gb

Certificates:

IECEX; ATEX; CU-TR

Enclosure material:

GRP (glass fibre-reinforced polyester resin)

Exposed fastener: Stainless steel

Rated voltage: Max. 500V AC

Rated current: 20A

Degree of protection: IP65

TERMINAL BOXES



BXJ-S

- ◆ International brand of explosion-proof terminal blocks.

Zones 0&1&2; 21&22

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

Explosion protection

Global (IECEX)
Ex eb IIC T6 or T5 Gb
Ex tb IIIC T80°C or T95°C Db IP66
Ex ia IIC T6 Ga
Ex tb IIIC T80°C Db IP66
Europe (ATEX)

Ex II 2 G Ex eb IIC T6 or T5 Gb

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

Ex II 1 G Ex ia IIC T6 Ga

Ex II 2 D Ex tb IIIC T80°C Db IP66

Certificates: IECEX; ATEX; CU-TR; UL

Enclosure material: Stainless steel

Exposed fastener: Stainless steel

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

Cross section	2.5mm ²	4mm ²	6mm ²	10mm ²	16mm ²	35mm ²	70mm ²
Ex e Rated current	24A	32A	41A	57A	76A	125A	192A
Ex ia Rated current	5A	5A	-	-	-	-	-
Cross section	120mm ²	185mm ²	300mm ²	2 × 185mm ²	2 × 300mm ²	3 × 300mm ²	
Ex e Rated current	269A	353A	520A	550A	700A	1000A	
Ex ia Rated current	-	-	-	-	-	-	-

Degree of protection: IP66, IP67(optional)

EXPLOSION-PROOF PLUG AND SOCKETS



BCZ8060

- ◆ 2P, 3P, 4P and 5P.
- ◆ Only the switch in the socket cut off can plug be pulled out, power after inserting the plug.
- ◆ GRP (glass fibre-reinforced polyester resin).

Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db eb IIC T□ Gb

Ex tb IIIC T□℃ Db IP66

Europe (ATEX)

Ex II 2 G Ex db eb IIC T□ Gb

Ex II 2 D Ex tb IIIC T□℃ Db IP66

Certificates: IECEX; ATEX; CU-TR

Enclosure material:

GRP (glass fibre-reinforced polyester resin)

Exposed fastener: Stainless steel

Rated voltage: MAX: 690V AC

Rated current:

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

Degree of protection: IP66

EXPLOSION-PROOF PLUG AND SOCKETS



BCZ85

- ◆ Four enclosure types; Four current ratings (16A, 32A, 63A, 125A); 3P, 4P or 5P.
- ◆ Only the switch in the socket cut off can plug be pulled out, power after inserting the plug.
- ◆ Copper-free Aluminium Alloy enclosure, powder coated surface.

Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db IIC T6 Gb

Ex tb IIIC T80℃ Db IP66

Europe (ATEX)

Ex II 2 G Ex db IIC T6 Gb

Ex II 2 D Ex tb IIIC T80℃ 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:

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

Degree of protection: IP66, IP67(optional)

EXPLOSION-PROOF PLUG CONNECTORS



BLJ85

- ◆ 4 enclosure types; 8 current ratings (10A, 16A, 25A, 32A, 63A, 80A, 100A, 125A); 2P, 3P, 4P and 5P.
- ◆ Copper-free Aluminium Alloy enclosure, anodic-oxidation treatment for surface.

Zones 1&2; 21&22

Explosion protection

Europe (ATEX)

Ex II 2 G Ex db eb IIC T□ Gb

Ex II 2 D Ex tb IIIC T80℃ Db IP66

Certificates: IECEX; ATEX (applied for)

Enclosure material: Copper-free Aluminium Alloy, anodic-oxidation treatment for surface

Exposed fastener: Stainless steel

Rated voltage: DC/AC 36V, 24V

AC 380V~415V, 200V~250V, 100V~130V

Rated current:

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

Degree of protection: IP66, IP67(optional)



EXPLOSION-PROOF MOVABLE SWITCHBOARDS



BCZY

- ◆ Type A (portable type) and type B (push type) for option.
- ◆ The enclosure of type A (portable type): Stainless steel or GRP (glass fibre-reinforced polyester resin), the Max. transformer capacity of stainless steel product: 1600VA; the Max. transformer capacity of GRP product: 300VA.
- ◆ Several kinds of voltage for option.
- ◆ Portable type is equipped with 5m cable; push type is equipped with 20m cable; also can be customized on request.
- ◆ Type A with transformer function.

Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db eb IIC T4 Gb

Ex tb IIIC T80°C Db IP66

Europe (ATEX)

Ex II 2 G Ex db eb IIC T4 Gb

Ex II 2 D Ex tb IIIC T80°C Db IP66

Certificates: IECEX; ATEX (applied for)

Material:

Enclosure (Portable type): Stainless steel or GRP

Plug and flange type socket:

GRP (glass fibre-reinforced polyester resin)

Exposed fastener: Stainless steel

Rated voltage:

3P: 200~250V AC, 5P: 380~415V AC

Rated current: 16A

Degree of protection: IP66

EXPLOSION-PROOF POSITION SWITCHES



HRZX91

- ◆ Types: D, Z, L, N, K.
- ◆ Increased safety enclosure with explosion-proof components.
- ◆ Copper-free Aluminium Alloy enclosure, powder coated surface.

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 IP66

Certificates: IECEX; ATEX (applied for)

Enclosure material:

Copper-free Aluminium Alloy, powder coated surface

Exposed fastener: Stainless steel

Rated voltage: 240V AC, 250V DC

Rated current: 3A AC; 0.27A DC

Degree of protection: IP66

EXPLOSION-PROOF CONTROL STATIONS



BZC

- ◆ Six types of enclosure.

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; CU-TR

Enclosure material:

Copper-free Aluminium Alloy, powder coated surface

Exposed fastener: Stainless steel

Rated voltage: Max. 415V AC

Rated current: 10A

Degree of protection: IP66, IP67(optional)

FLAMEPROOF PUSHBUTTON



HA

- ◆ Five different ways of operation
 - Spring-return pushbutton
 - Key-operated pushbutton
 - Mushroom stay-put emergency pushbutton
 - Mushroom turn-to-release emergency pushbutton
 - Rotary pushbutton
- ◆ Mushroom stay-put emergency pushbutton / mushroom turn-to-release emergency pushbutton can be equipped with protection cover, please specify when ordering. Material of protection cover: stainless steel and PC, please specify when ordering.

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

Rated voltage: 660V AC; 400V DC

Rated current: 10A(for 660V AC); 6A(for 400V DC)

Degree of protection: IP66



Zones 1&2; 21&22

INDICATORS



HD

- ◆ Available in
 - red
 - green
 - yellow
 - blue
 - white
- ◆ Two versions
 - screw connection
 - 2m cable connection

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

Rated voltage:

400V 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

CONTROL SWITCHES



HK

- ◆ Available in latching and spring-return forms.
- ◆ Different function options.
- ◆ Number of pole: 2P, 3P, 4P, 6P.
- ◆ The switch shall be fitted inside Ex d enclosure.

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

Rated voltage: 500V AC, 400V DC

Rated current: 16A

Degree of protection: IP66



Zones 1&2; 21&22

EXPLOSION-PROOF CONTROL UNIT SYSTEMS



BZA8050

- ◆ Three types of enclosure.
- ◆ Individual unit can be combined into larger units.

Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex d e IIC T6 Gb

Europe (ATEX)

Ex II 2 G Ex d e IIC T6

Certificates: IECEX; ATEX

Enclosure material:

GRP (glass fibre-reinforced polyester resin)

Exposed fastener: Stainless steel

Rated voltage: Max. 415V AC

Rated current: 6A(IECEX); 10A(ATEX)

Degree of protection: IP65

EXPLOSION-PROOF CONTROL UNIT SYSTEMS



BZA85

- ◆ Pushbutton, Indicator, Ammeter, Voltmeter.....

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 IP66

Certificates: IECEX; ATEX; CU-T

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, IP67(optional)

CONTROL STATIONS (GRP)



BZC8050

- ◆ Four types of enclosure.

Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex d e IIC T6 Gb

Europe (ATEX)

Ex II 2 G Ex d e IIC T6 Gb

Ex II 2 D Ex tb IIIC T80°C Db IP65

Certificates: IECEX; ATEX; CU-TR

Enclosure material:

GRP (glass fibre-reinforced polyester resin)

Exposed fastener: Stainless steel

Rated voltage: Max. 415V AC

Rated current:

Main circuit current:

6A (for BZC8050-A2D2, BZC8050-A2B1)

16A (for BZC8050-K1)

10A (for others)

Degree of protection: IP65, IP66(optional)



CONTROL STATIONS (ALUMINIUM ALLOY)



BZC8050

- ◆ Seven types of enclosure.

Explosion protection

Global (IECEX)

Ex d e IIC T6 Gb

Europe (ATEX)

Ⓔ II 2 G Ex d e IIC T6 Gb

Ⓔ II 2 D Ex tb IIIC T80°C Db IP65

Certificates: IECEX; ATEX; CU-TR

Enclosure material:

Copper-free Aluminium Alloy, powder coated surface

Exposed fastener: Stainless steel

Rated voltage: Max. 415V AC

Rated current:

Main circuit current:

6A (for BZC8050-A2D2, BZC8050-A2B1)

16A (for BZC8050-K1)

10A (for others)

Degree of protection: IP65, IP66(optional)



Zones 1&2; 21&22

CONTROL STATIONS (STAINLESS STEEL)



BZC8050

- ◆ Five types of enclosure.

Explosion protection

Global (IECEX)

Ex d e IIC T6 Gb

Europe (ATEX)

Ⓔ II 2 G Ex d e IIC T6 Gb

Ⓔ II 2 D Ex tb IIIC T80°C Db IP65

Certificates: IECEX; ATEX; CU-TR

Enclosure material: Stainless steel

Exposed fastener: Stainless steel

Rated voltage: Max. 415V AC

Rated current:

Main circuit current:

6A (for BZC8050-A2D2, BZC8050-A2B1)

16A (for BZC8050-K1)

10A (for others)

Degree of protection: IP65, IP66(optional)



Zones 1&2; 21&22

CONTROL BUTTONS



BA8050

- ◆ 2 versions of component
 - 1 NO
 - 1 NC
- ◆ Eight different ways of operation
 - Spring-return control button
 - Mushroom stay-put emergency control button
 - Key-operated control button
 - Rotary control button
 - Double control button
 - Mushroom turn-to-release emergency control button
 - Pushbutton with indicator
 - Key-operated mushroom turn-to-release emergency control pushbutton

Explosion protection

Global (IECEX)

Ex d e IIC Gb

Europe (ATEX)

Ⓔ II 2 G Ex d e IIC Gb

Certificates: IECEX; ATEX; CU-TR

Enclosure material: Polyamide (PA66)

Rated voltage: Max. 415V AC

Rated current: 6A



Zones 1&2; 21&22



INDICATORS



BD8050

- ◆ Available in
 - red
 - green
 - yellow
 - blue
 - white
- ◆ Two mounting types
 - cover mounting
 - rail mounting

Explosion protection

Global (IECEX)

Ex d e IIC Gb

Europe (ATEX)

Ex II 2 G Ex d e IIC Gb

Certificates: IECEX; ATEX; CU-TR

Rated voltage:

12V...415V AC/DC (-10%...+6%)

Frequency: 0Hz...60Hz

Rated current: Max. 15mA



Zones 1&2; 21&22

CONTROL SWITCHES



BK8050

- ◆ Number of pole: 2P, 3P, 4P, 6P.
- ◆ Available in latching and spring-return forms.

Explosion protection

Global (IECEX)

Ex d e IIC Gb

Europe (ATEX)

Ex II 2 G Ex d e IIC Gb

Certificates: IECEX; ATEX; CU-TR

Enclosure material: Plastic

Rated voltage: Max. 415V AC

Rated current: 16A



Zones 1&2; 21&22

EXPLOSION-PROOF AMMETERS / VOLTMETERS



BB8050

- ◆ Fast comparison of measured with set values.
- ◆ Versions available
 - Ammeter (type 72)
 - Voltmeter (type 72)

Explosion protection

Ammeter

Global (IECEX)

Ex e IIC Gb

Europe (ATEX)

Ex II 2 G Ex e IIC Gb

Voltmeter

Global (IECEX)

Ex e IIC Gb

Europe (ATEX)

Ex II 2 G Ex e IIC Gb

Certificates: IECEX; ATEX; CU-TR

Enclosure material: Flame retardant plastic

Insulation voltage: 690V AC

Frequency: 50/60Hz

DC available



Zones 1&2; 21&22

EXPLOSION-PROOF MOTOR SWITCHES



BLK

- ◆ Classified as IIB according to gas atmosphere.
- ◆ Built-in MCB (miniature circuit breaker), MCCB (moulded case circuit breaker).
- ◆ Earth leakage protection device is optional.

Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db IIB T6 Gb

Ex tb IIIC T80°C Db

Europe (ATEX)

Ⓔ II 2 G Ex db IIB 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

Rated voltage:

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

Rated current: Max. 250A

Degree of protection: IP66



EXPLOSION-PROOF MOTOR SWITCHES



BLK

- ◆ Classified as IIC according to gas atmosphere.
- ◆ Built-in MCB (miniature circuit breaker), MCCB (moulded case circuit breaker).
- ◆ Earth leakage protection device is optional.

Zones 1&2; 21&22

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 IP66

Certificates: IECEX; ATEX; CU-TR

Enclosure material:

Copper-free Aluminium Alloy, powder coated surface

Exposed fastener: Stainless steel

Rated voltage:

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

Rated current: Max. 250A

Degree of protection: IP66

EXPLOSION-PROOF MOTOR STARTERS



BQD

- ◆ Classified as IIB according to gas atmosphere.
- ◆ Different motor starters.

Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex db IIB T6 or T5 Gb

Ex tb IIIC T80°C or T95°C Db

Europe (ATEX)

Ⓔ II 2 G Ex db IIB T6 or T5 Gb

Ⓔ II 2 D Ex tb IIIC T80°C or T95°C Db

Certificates: IECEX; ATEX

Enclosure material:

Copper-free Aluminium Alloy, powder coated surface

Exposed fastener: Stainless steel

Rated voltage: 380/400V AC 50/60Hz

Degree of protection: IP66

EXPLOSION-PROOF MOTOR STARTERS



BQD

- ◆ Classified as IIC according to gas atmosphere.
- ◆ Different motor starters.

Zones 1&2

Explosion protection

Global (IECEX)

Ex d e IIC T6 Gb

Europe (ATEX)

Ⓔ II 2 G Ex d e IIC T6

Certificates: IECEX; ATEX

Enclosure material:

Copper-free Aluminium Alloy, powder coated surface

Exposed fastener: Stainless steel

Rated voltage: 380/400V AC 50/60Hz

Degree of protection: IP65

EXPLOSION-PROOF ILLUMINATION (POWER) DISTRIBUTION BOXES



BXM(D)51

- ◆ Enclosure for modular combination (Ex d & Ex e).
- ◆ Main switch and branch switch are operated with external rotary actuator.
- ◆ Internal wiring to the terminal is finished.
- ◆ International brand of explosion-proof terminal blocks.
- ◆ Special requirements on request.

Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex d e IIB T6

Europe (ATEX)

Ex II 2 G Ex d e IIB T6

Certificates: IECEX; ATEX

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. 415V AC 50/60Hz;

Rated current: max. 250A

Branch current: Max. 63A

Degree of protection: IP65

EXPLOSION-PROOF ILLUMINATION (POWER) DISTRIBUTION BOXES



BXM(D)53

- ◆ Enclosure for modular combination (Ex d & Ex e).
- ◆ Main switch and branch switch are operated with external rotary actuator.
- ◆ Internal wiring to the terminal is finished.
- ◆ International brand of explosion-proof terminal blocks.
- ◆ Special requirements on request.

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. 250A

Branch current: Max. 63A

Degree of protection: IP66

EXPLOSION-PROOF ILLUMINATION (POWER) DISTRIBUTION BOXES



BXM(D)81

- ◆ Flameproof enclosure (Ex d IIB).
- ◆ Main switch and branch switch are operated with external rotary actuator.
- ◆ Internal wiring to the terminal is finished.
- ◆ International brand of terminal blocks.
- ◆ Special requirements on request.

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; CU-TR

Enclosure material:

Copper-free Aluminium Alloy (carbon steel), powder coated surface, or stainless steel

Exposed fastener: Stainless steel

General power supply:

Rated voltage: max. 690V AC 50/60Hz;

Rated current: max. 630A

Rated current: Max. 400A

Degree of protection: IP66, IP67(optional)

EXPLOSION-PROOF DISTRIBUTION EQUIPMENTS



HRMD91

- ◆ Equipped with specialized hinge structure, which can prevent the flameproof joints from damage when opening and closing the box, and greatly prolong 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)

Ex db IIB+H₂ T□ Gb

Ex db [ib] IIB+H₂ T□ Gb

Ex tb IIIC T□ Db IP66

Europe (ATEX)

Ⓔ II 2 G Ex db IIB+H₂ T□ Gb

Ⓔ II 2 G Ex db [ib] IIB+H₂ T□ Gb

Ⓔ II 2 D Ex tb IIIC T□ Db IP66

Certificates: ATEX and IECEx

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



Zones 1&2; 21&22



AKO 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;



EXPLOSION-PROOF DISTRIBUTION EQUIPMENTS



HRMD92

- ◆ Equipped with specialized hinge structure, which can prevent the flameproof joints from damage when opening and closing the box, and greatly prolong 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)

Ex db IIB+H₂ T□ Gb

Ex db [ib] IIB+H₂ T□ Gb

Ex tb IIIC T□ Db IP66

Europe (ATEX)

Ex II 2 G Ex db IIB+H₂ T□ Gb

Ex II 2 G Ex db [ib] IIB+H₂ T□ Gb

Ex II 2 D Ex tb IIIC T□ Db IP66

Certificates: IECEx and ATEX (applied for)

Enclosure material: 316 stainless steel

Exposed fastener: Stainless steel

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

Max. 1500V DC

Rated current: Max. 1200A

Degree of protection: IP66



Zones 1&2; 21&22



AKO 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;

EXPLOSION-PROOF DISTRIBUTION PANELS



HRMD93

- ◆ Enclosure for modular combination (Ex d & Ex e).
- ◆ Main switch and branch switch are operated with external rotary actuator.
- ◆ Internal wiring to the terminal is finished.
- ◆ International brand of explosion-proof terminal blocks.
- ◆ Copper-free Aluminium Alloy, powder coated surface.
- ◆ Special requirements on request.

Zones 1&2; 21&22

Explosion protection

Global (IECEX)
Ex db IIB+H₂ T6 Gb
Ex db eb IIB+H₂ T6 Gb
Ex db [ib] IIB+H₂ T6 Gb
Ex db eb [ib] IIB+H₂ T6 Gb
Ex tb IIIC T80 °C Db IP66
Europe (ATEX)
⊕ II 2 G Ex db IIB+H₂ T6 Gb
⊕ II 2 G Ex db eb IIB+H₂ T6 Gb
⊕ II 2 G Ex db [ib] IIB+H₂ T6 Gb
⊕ II 2 G Ex db [ib] eb IIB+H₂ T6 Gb
⊕ II 2 D Ex tb IIIC T80 °C Db IP66
Certificates: IECEX; ATEX
Enclosure material:
Copper-free Aluminium Alloy, powder coated surface
Enclosure colour: Window grey (RAL7040)
Exposed fastener: Stainless steel
General power supply:
Rated voltage: max. 690V AC 50/60Hz;
Rated current: max. 630A
Branch current: 1A, 2A, 4A, 6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A, 80A, 100A, 125A, 160A, 200A, 250A, 320A, 400A
Degree of protection: IP66



EXPLOSION-PROOF ILLUMINATION (POWER) DISTRIBUTION BOXES



BXM(D)8050

- ◆ Enclosure for modular combination (Ex e).
- ◆ Main switch and branch switch are operated with external rotary actuator.
- ◆ Internal wiring to the terminal is finished.
- ◆ International brand of explosion-proof terminal blocks.
- ◆ Special requirements on request.

Zones 1&2; 21&22

Explosion protection

Global (IECEX)
Ex d e IIC T5 or T4 Gb
Ex tb IIIC T80 °C Db IP66
Europe (ATEX)
⊕ II 2 G Ex d e IIC T5 or T4 Gb
⊕ II 2 D Ex tb IIIC T80 °C Db IP66
Certificates: IECEX; ATEX; CU-TR
Enclosure:
Enclosure material:
GRP (glass fibre-reinforced polyester resin)
Enclosure colour: Black
Enclosure type: Ex e
Exposed fastener: Stainless steel
General power supply:
Rated voltage: max. 690V AC 50/60Hz;
Rated current: max. 250A
Branch current:
1A, 2A, 4A, 6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A
Degree of protection: IP66

EXPLOSION-PROOF ILLUMINATION (POWER) DISTRIBUTION BOXES



BXM(D)8061

- ◆ Enclosure for modular combination (Ex e).
- ◆ Main switch and branch switch are operated with external rotary actuator.
- ◆ Internal wiring to the terminal is finished.
- ◆ International brand of explosion-proof terminal.
- ◆ Special requirements on request.

Zones 1&2; 21&22

Explosion protection

Global (IECEX)
Ex db eb IIC T5 or T4 Gb
Ex tb IIIC T80 °C Db IP66
Europe (ATEX)
⊕ II 2 G Ex db eb IIC T5 or T4 Gb
⊕ II 2 D Ex tb IIIC T80 °C Db IP66
Certificates: IECEX; ATEX; CU-TR
Enclosure:
Enclosure material:
GRP (glass fibre-reinforced polyester resin)
Enclosure colour: Black
Enclosure type: Ex e
Exposed fastener: Stainless steel
General power supply:
Rated voltage: max. 690V AC 50/60Hz;
Rated current: max. 250A
Branch current:
1A, 2A, 4A, 6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A
Degree of protection: IP66



EXPLOSION-PROOF CIRCUIT BREAKER MODULES



BL8060

- ◆ Product of flame-proof structure; the cavity is of engineering plastic embedded with high strength metal frame structure; with strong corrosion-proof capacity and reliable performance.
- ◆ Built-in Schneider iC65 series MCB, special operation mechanism internally designed, reliable overall operation.

Zones 1&2

Explosion protection

Global (IECEX)

Ex d e IIC Gb

Europe (ATEX)

Ex II 2 G Ex d e IIC Gb

Certificates: IECEX; ATEX; INMETRO

Enclosure material:

GRP (glass fibre-reinforced polyester resin)

Rated voltage: Max.690V AC

Branch current:

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

EXPLOSION-PROOF FUSES



BRT8060

Zones 1&2

Explosion protection

Global (IECEX)

Ex eb mb IIC Gb

Europe (ATEX)

Ex II 2 G Ex eb mb IIC Gb

Certificates: IECEX and ATEX (applied for)

Enclosure material: PC

Rated voltage: 230V AC, 400V AC, 500V AC

Branch current: 1A, 2A, 4A, 6A, 8A, 10A

EXPLOSION-PROOF ENCLOSURES



BXT-□-W

- ◆ Flameproof enclosure (Ex d IIB+H₂) in aluminium alloy, formed of low pressure casting. 13 versions (external flange).
- ◆ Cable entries can be drilled and components can be installed by user on request.
- ◆ Safety shall be considered when installing components according to related electrical standards.
- ◆ Special requirements on request.

Zones 1&2; 21&22

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

Enclosure material:

Copper-free Aluminium Alloy, powder coated surface

Exposed fastener: Stainless steel

Mounting feet:

Carbon steel, power coated surface

Degree of protection: IP66, IP67(optional)

INCREASED SAFETY ENCLOSURES



BXT-e

- ◆ Copper-free Aluminium Alloy enclosure (Ex e), 8 versions.
- ◆ Cable entries can be drilled and components can be installed by user on request.
- ◆ Safety shall be considered when installing components according to related electrical standards.
- ◆ Special requirements on request.

Zones 1&2; 21&22

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



INCREASED SAFETY ENCLOSURES



BXT-S

- ◆ Increased-safety enclosure (Ex e) in stainless steel, 8 versions.
- ◆ Cable entries can be drilled and components can be installed by user on request.
- ◆ Safety shall be considered when installing components according to related electrical standards.
- ◆ Special requirements on request.

Zones 1&2

Explosion protection

Europe (ATEX)

Ex II 2 G Ex e II Gb

Certificates: ATEX

Enclosure material: Stainless steel

Exposed fastener: Stainless steel

Degree of protection: IP66

ENCLOSURES



BXT8050

- ◆ Increased-safety enclosure (Ex e) in GRP; 7 versions.
- ◆ Cable entries can be drilled and components can be installed by user on request.
- ◆ Safety shall be considered when installing components according to related electrical standards.
- ◆ Special requirements on request.

Zones 1&2

Explosion protection

Europe (ATEX)

Ex II 2 G Ex e II

Certificates: ATEX

Enclosure material:

GRP (glass fibre-reinforced polyester resin)

Exposed fastener: Stainless steel

Degree of protection: IP65



EXPLOSION-PROOF WINDOW AIR CONDITIONERS



BKC

- ◆ For explosion-proof window air conditioner, the corresponding product is the cooling-only air conditioner in T1 and T3 group. It is mainly used in high temperature areas, such as Middle East, Middle Africa, Southeast Asia and tropical zone nearby the equator.
- ◆ Explosion-proof window air conditioner is based on renowned brand, by conducting explosion-proof treatment to internal control units compressor, indoor and outdoor fan motors, temperature sensor system, protective system, heat-removal system, cooling system, etc., after which the outline dimensions and installation are the same as the prototype.

Zones 2

Explosion protection

Global (IECEX)

Ex d nC IIB T4 Gc

Europe (ATEX)

Ex II 3 G Ex d nC IIB T4 Gc

Certificates: IECEX; ATEX; CU-TR

EXPLOSION-PROOF WALL AIR CONDITIONERS



BKF(R)

- ◆ For explosion-proof wall air conditioner, both cooling-only and cooling & heating products in T1, T2, and T3 are available, to meet different requirements of low, medium and high temperature zones in the world.

Zones 1&2

Explosion protection

ATEX and CU-TR:

Outdoor unit

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

BZC Control station Ex II 3 G Ex d IIB

BDJ-W Fan motor Ex II 3 G Ex d IIB

Indoor unit

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

BXK Control station Ex 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

EXPLOSION-PROOF WALL AIR CONDITIONERS



BKF(R)

- ◆ For explosion-proof wall air conditioner, both cooling-only and cooling & heating products in T1, T2, and T3 are available, to meet different requirements of low, medium and high temperature zones in the world.

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)

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

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

Certificates: IECEX; ATEX; CU-TR

EXPLOSION-PROOF TANK AIR CONDITIONERS



BKG(R)

- ◆ For explosion-proof wall air conditioner, both cooling-only and cooling & heating products in T1, T2, and T3 are available, to meet different requirements of low, medium and high temperature zones in the world.

Zones 1&2

Explosion protection

Global (IECEX)

Ex db eb ib [ib Gb] nC IIB T4 Gc

Ex db eb ib [ib Gb] nC IIC T4 Gc

Europe (ATEX)

Ex II 3 (2) G Ex db eb ib [ib Gb] nC IIB T4 Gc

Ex II 3 (2) G Ex db eb ib [ib Gb] nC IIC T4 Gc

Certificates: IECEX and ATEX (applied for)

EXPLOSION-PROOF PRESSURIZED DISTRIBUTION CABINETS



PXK

- ◆ Explosion-proof types IIB, IIC.
- ◆ Available in types G, X, Q, T, K.
- ◆ Cabinet type product adopts GGD frame; the main cavity and auxiliary cavity are of left and right structure; cable channel is of horizontal installation type; bottom inlet, front operation and back overhauling.
- ◆ Box type product adopts high quality steel plate welding structure; the main 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 piano 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 IIB Ex d e [ia] ia px IIB T4 Gb
Ex Px IIC Ex db eb pxb IIC T4 Gb
Ex pxb tb IIIC T130°C Db IP66

Europe (ATEX)

Ex Pz IIC II 3 G Ex pz IIC T5 Gc
 II 3 D Ex pD IIIC T95°C Dc
Ex Px IIB II 2 G Ex d e [ia] ia px IIB T4 Gb
Ex Px IIC II 2 G Ex db eb pxb IIC T4 Gb
 II 2 D Ex pxb tb IIIC T130°C Db IP66

Certificates: IECEX; ATEX

Enclosure material:

Stainless steel or powder coated carbon steel

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

Rated current: Max.630A

Degree of protection: IP66



Zones 1&2

EXPLOSION-PROOF ENGINEERING CABINS



PXB

- ◆ Enclosure in carbon steel or stainless steel.
- ◆ The explosion-proof control box is the standard control box or PLC programmed control box. Combustible gas detector and toxic gas detector are modular designed. The thermal detector, smoking detector, and pressure transmitter are intrinsic safety explosion-proof components. The power of explosion-proof centrifugal fan 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)

II 2 G Ex px IIB T4 Gb
 II 2 D Ex px IIIC T130°C Db

Certificates: IECEX; ATEX (applied for)

Enclosure material:

Powder coated carbon steel or stainless steel

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



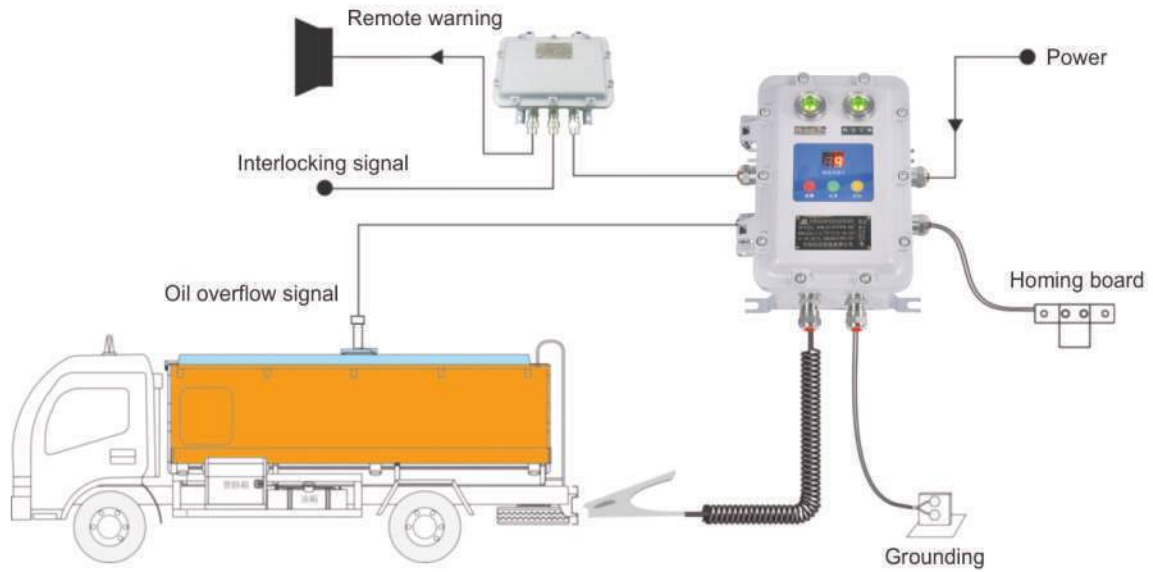
Zones 1&2; 21&22





**EXPLOSION-PROOF
OVERFLOW STATIC GROUNDING
CONTROL SYSTEM
(VOICE PROMPT FUNCTION)**

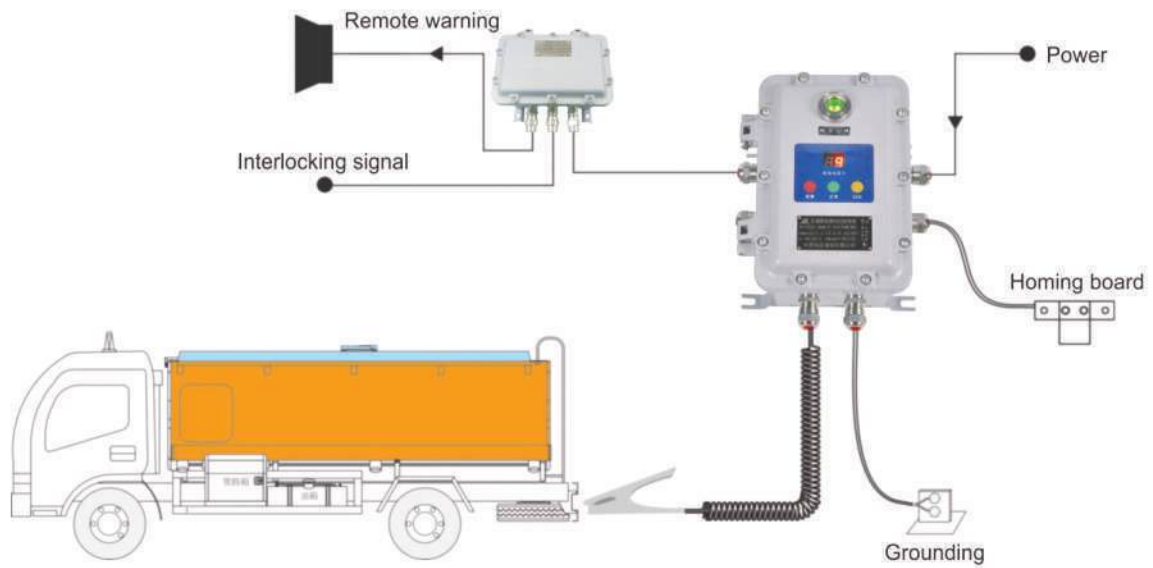
BXCQ-YJC/(II)



Zones 1&2; 21&22

**EXPLOSION-PROOF
STATIC GROUNDING
CONTROL SYSTEM**

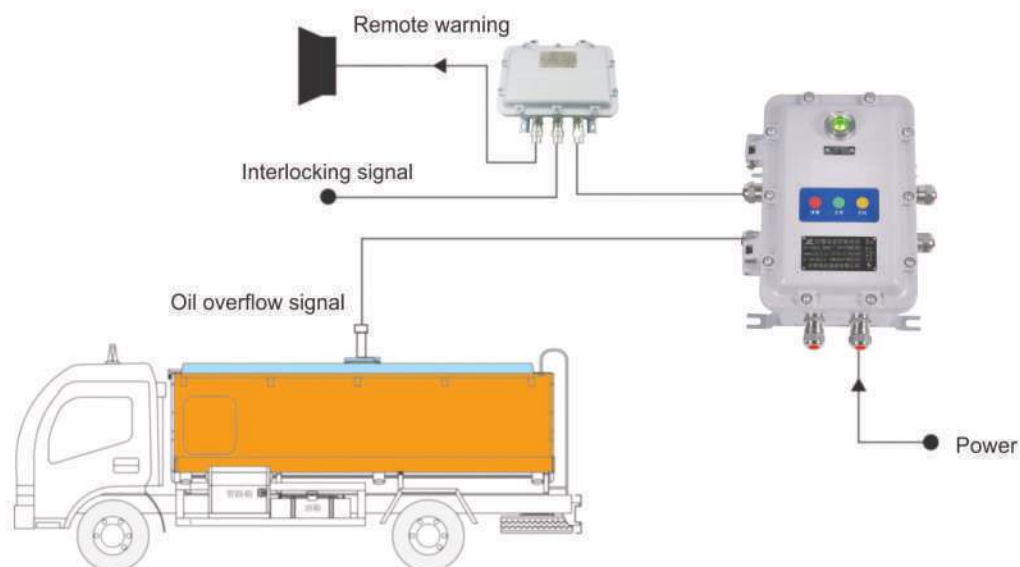
BXCQ-JC



Zones 1&2; 21&22

**EXPLOSION-PROOF
OVERFLOW
CONTROL SYSTEM**

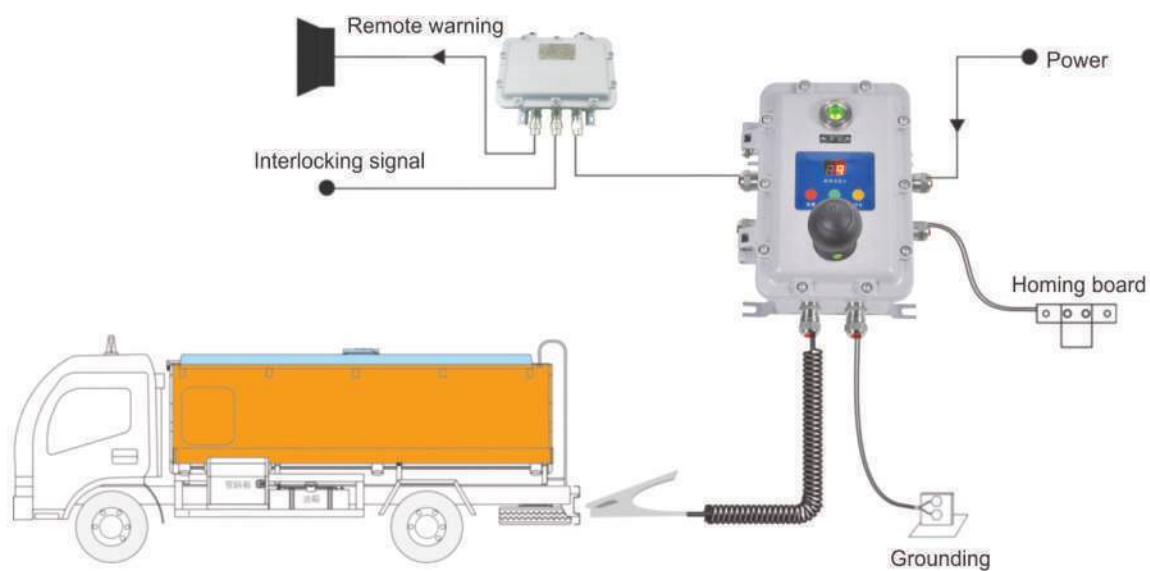
BXCQ-YC



Zones 1&2; 21&22

**EXPLOSION-PROOF
STATIC GROUNDING
CONTROL SYSTEM
(DUAL PURPOSES OF MAN AND MOTOR)**

BXCQ-JCL



Zones 1&2; 21&22





EXPLOSION-PROOF OVERFLOW STATIC GROUNDING CONTROLLER



BXCQ-YJC

- ◆ Aluminium alloy enclosure

Zones 1&2; 21&22

Explosion protection

Ex II 2 G Ex db [ia] IIB+H₂ T6 Gb
Ex II 2 D Ex tb IIIC T80°C Db IP66
Protection degree: IP66
Response time: <1S
Test resistance: <10Ω
Working voltage: 220VAC or 24VDC
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

EXPLOSION-PROOF STATIC GROUNDING CONTROLLER



BXCQ-JC

- ◆ Aluminium alloy enclosure

Zones 1&2; 21&22

Explosion protection

Ex II 2 G Ex db [ia] IIB+H₂ T6 Gb
Ex II 2 D Ex tb IIIC T80°C Db IP66
Protection degree: 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

EXPLOSION-PROOF OVERFLOW CONTROLLER



BXCQ-YC

- ◆ Aluminium alloy enclosure

Zones 1&2; 21&22

Explosion protection

Ex II 2 G Ex db [ia] IIB+H₂ T6 Gb
Ex II 2 D Ex tb IIIC T80°C Db IP66
Protection degree: IP66
Response time: <1S
Working voltage: 220VAC or 24VDC
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

EXPLOSION-PROOF STATIC GROUNDING CONTROLLER (DUAL PURPOSES OF MANAND MOTOR)



BXCQ-JCL

- ◆ Aluminium alloy enclosure

Zones 1&2; 21&22

Explosion protection

Ex II 2 G Ex db [ia] IIB T6 Gb
Ex II 2 D Ex tb IIIC T80°C Db IP66
Protection degree: 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

EXPLOSION-PROOF JUNCTION BOX



BXJ-IIB

- ◆ Aluminium alloy enclosure

Zones 1&2; 21&22

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



STATIC GROUNDING CLAMP



Clamp tooth material: Tungsten alloy
Opening range:
Clamp body material: 304 (316 optional)

CORROSION RESISTANCE HELICAL LINE



Cable material: Copper wire
Surface material: PU
Standard equipment length: 7m

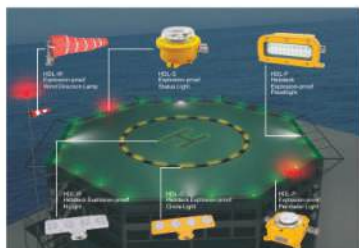
HOMING BOARD



- ◆ The length of helical Line is customized, the max length is 15m

Material: 304 stainless steel

HELICOPTER LANDING PLATFORM AID SYSTEM



- ◆ Widely used for landing aid signal on helideck of marine engineering oil and gas drilling platforms and ships etc. hazardous area.
- ◆ Can reliably work in severe environment where is easily affected by moisture, vibration, or corrosion.

Zones 1&2; 21&22

Executive Standard

- ◆ Comply with CAP 437 ICAO Annex 14, IMO standard requirements.
- ◆ Comply with IEC60079, EN60079, GB3836, GB12476, 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℃

HELIDECK EXPLOSION-PROOF H LIGHT



HDL-H

- ◆ Enclosure uses high quality maritime aluminium alloy, which is applied to the ocean environment.
- ◆ LED green light source, service life is up to 100000 hours.
- ◆ Standard light and bright light of light fittings can be switched through controlling the system and the dimming instruction of light fittings.
- ◆ Professional optics software designed secondary light distribution system, conform to CAP437 standard requirements.
- ◆ Total height is less than 25mm, protection degree is higher to IP66/IP67.

Zones 1&2; 21&22

Explosion protection

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

HELIDECK EXPLOSION-PROOF CIRCLE LIGHT



HDL-C

- ◆ Enclosure uses high quality maritime aluminium alloy, which is applied to the ocean environment.
- ◆ LED yellow light source, service life is up to 100000 hours.
- ◆ Standard light and bright light of light fittings can be switched through controlling the system and the dimming instruction of light fittings.
- ◆ Professional optics software designed secondary light distribution system, conform to CAP437 standard requirements.
- ◆ Total height is less than 25mm, protection degree is higher to IP66/IP67.

Zones 1&2; 21&22

Explosion protection

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

EXPLOSION-PROOF PERIMETER LIGHT



HDL-P

- ◆ Enclosure is precision casting by 316 stainless steel, powder coated on surface after finish machining, strong corrosion resistance.
- ◆ LED green light source, service life is up to 100000 hours.
- ◆ Professional optics software designed secondary light distribution system, conform to CAP437 standard requirements.
- ◆ Total height is less than 100mm, protection degree is higher to IP66/IP67.

Zones 1&2; 21&22

Explosion protection

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

HELIDECK EXPLOSION-PROOF FLOODLIGHT



HDL-F

- ◆ Enclosure uses maritime aluminium alloy, powder coated on surface after preservative treatment.
- ◆ LED white light source, service life is up to 100000 hours.
- ◆ In-built constant voltage constant current driving power, wide voltage input, constant power output, fast start, stable performance, surge resistance, overcurrent, open circuit, short circuit, etc. protection function.
- ◆ Total height is less than 135mm, protection degree is higher to IP66/IP67.

Zones 1&2; 21&22

Explosion protection

- Ⓜ II 2 G Ex db eb mb op is IIC T5 or T4 Gb
- Ⓜ II 2 D Ex tb op is IIIC T95°C or T130°C Db IP66/IP67



EXPLOSION-PROOF STATUS LIGHT



HDL-S

- ◆ Enclosure uses maritime aluminium alloy, powder coated on surface after preservative treatment.
- ◆ Professional optics software designed secondary light distribution system, conform to CAP437 standard requirements.
- ◆ Through the control system, status instructions are given to the lamps. The red LED light source flashes and gives warning signals.
- ◆ Total height is less than 100mm, protection degree is higher to IP66/IP67.

Zones 1&2; 21&22

Explosion protection

- Ⓜ II 2 G Ex db eb op is IIC T6 Gb
- Ⓜ II 2 D Ex tb op is IIIC T80°C Db IP66

EXPLOSION-PROOF WIND DIRECTION LAMP



HDL-W

- ◆ Enclosure uses maritime aluminium alloy, powder coated on surface after preservative treatment.
- ◆ Professional optics software designed secondary light distribution system, conform to CAP437 standard requirements.
- ◆ Through the control system, status instructions are given to the lamps. The red LED light source flashes and gives warning signals.
- ◆ Total height is less than 100mm, protection degree is higher to IP66/IP67.

Zones 1&2; 21&22

Explosion protection

- Ⓜ II 2 G Ex db eb op is IIC T6 Gb
- Ⓜ II 2 D Ex tb op is IIIC T80°C Db IP66

EXPLOSION-PROOF DISTRIBUTION PANELS



HRMD91

- ◆ Copper-free Aluminium Alloy enclosure, powder coated surface.
- ◆ Equipped with specialized hinge structure, which can prevent the flameproof joints from damage when opening and closing the box, and greatly prolong 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.

Zones 1&2; 21&22

Explosion protection

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



EXPLOSION-PROOF CABLE GLANDS PLASTIC UNARMORED



DQM-I

- ◆ Ex e structure.
- ◆ Single seal, suitable for unarmored cable.

Zones 1&2

Explosion protection

Global (IECEX)

Ex e II

Europe (ATEX)

Ex II 2 G Ex e IIC Gb

Certificates: IECEX; ATEX; CU-TR

Gland material: Plastic, black

Connection thread: M16-M63
G3/4"

Degree of protection: IP65

EXPLOSION-PROOF CABLE GLANDS METAL UNARMORED



DQM-I

- ◆ Ex e structure.
- ◆ Single seal, suitable for unarmored cable.

Zones 1&2; 21&22

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, nickel plated brass or galvanized carbon steel

Connection thread: M20-M75
NPT1/2"-NPT2 1/2"
G1/2"-G2 1/2"

Degree of protection: IP66/IP67

EXPLOSION-PROOF CABLE GLANDS METAL ARMORED



Cable wiring

Steel pipe wiring



DQM-I

- ◆ Ex e structure.
- ◆ Single seal, suitable for both armored and unarmored cable.
- ◆ EMC Cable Gland. (360° contact) - EMC tested.

Zones 1&2; 21&22

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, nickel plated brass or galvanized carbon steel

Connection thread: M20-M115
NPT1/2"-NPT4"
G1/2"-G4"

Degree of protection: IP66/IP67

EXPLOSION-PROOF CABLE GLANDS UNARMORED SINGLE SEAL



Cable wiring

Steel pipe wiring



DQM-II

- ◆ Ex d, Ex e structure.
- ◆ Single seal, suitable for unarmored cable.

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, nickel plated brass or galvanized carbon steel

Connection thread: M20-M115
NPT1/2"-NPT4"
G1/2"-G4"

Degree of protection: IP66 (IP67 optional)



EXPLOSION-PROOF CABLE GLANDS ARMORED DUAL SEAL



Cable wiring



Steel pipe wiring



DQM-II

- ◆ Ex d, Ex e structure.
- ◆ Dual seal, suitable for both armored and unarmored cable.
- ◆ EMC Cable Gland. (360° contact) - EMC tested.
- ◆ For particular use with: cables that exhibit "cold flow" characteristics.

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, nickel plated brass or galvanized carbon steel

Connection thread: M20-M115
NPT1/2"-NPT4"
G1/2"-G4"

Degree of protection: IP66 (IP67 optional)

EXPLOSION-PROOF CABLE GLANDS ARMORED DUAL SEAL



Cable wiring



Steel pipe wiring



DQM-II

- ◆ Ex d, Ex e structure.
- ◆ Dual seal, suitable for both armored and unarmored cable.
- ◆ EMC Cable Gland. (360° contact) - EMC tested.
- ◆ Provides a seal and an electrical bond on the cables lead inner sheath.

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, nickel plated brass or galvanized carbon steel

Connection thread: M20-M115
NPT1/2"-NPT4"
G1/2"-G4"

Degree of protection: IP66 (IP67 optional)

EXPLOSION-PROOF CABLE GLANDS UNARMORED COMPOUND BARRIER



Cable wiring



Steel pipe wiring



DQM-III

- ◆ Ex d, Ex e structure.
- ◆ With sealing and sealing compound; suitable for unarmored cable.
- ◆ For particular use with: cables that exhibit "cold flow" characteristics.

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, nickel plated brass or galvanized carbon steel

Connection thread: M20-M115
NPT1/2"-NPT4"
G1/2"-G4"

Degree of protection: IP66 (IP67 optional)

EXPLOSION-PROOF CABLE GLANDS ARMORED COMPOUND BARRIER



Cable wiring



Steel pipe wiring



DQM-III

- ◆ Ex d, Ex e structure.
- ◆ With sealing ring and sealing compound; suitable for armored cable.
- ◆ For particular use with: cables that exhibit "cold flow" characteristics.
- ◆ EMC Cable Gland. (360° contact) - EMC tested.

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, nickel plated brass or galvanized carbon steel

Connection thread: M20-M115
NPT1/2"-NPT4"
G1/2"-G4"

Degree of protection: IP66 (IP67 optional)



EXPLOSION-PROOF CABLE GLANDS ARMORED COMPOUND BARRIER



Cable wiring

Steel pipe wiring



DQM-III

- ◆ Ex d, Ex e structure.
- ◆ With sealing ring and sealing compound; suitable for armored cable.
- ◆ EMC Cable Gland. (360° contact) - EMC tested.
- ◆ Provides a seal and an electrical bond on the cables lead inner sheath.

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, nickel plated brass or galvanized carbon steel
Connection thread: M20-M115
NPT1/2"-NPT4"
G1/2"-G4"
Degree of protection: IP66 (IP67 optional)

EXPLOSION-PROOF CONNECTORS



BGJ

- ◆ Pipe connector, reducer, connector.

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

EXPLOSION-PROOF ALUMINIUM ALLOY BUSHINGS



BHC

- ◆ Ex e enclosure
- ◆ Widely used for connection in steel pipe wiring system.

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, Cast iron
Type: A, B, C, D, E, F, G, H
Connection thread: M20-M63
NPT1/2"-NPT2"
G1/2"-G2"
Degree of protection: IP66

EXPLOSION-PROOF SEAL BUSHINGS



BAG

- ◆ Widely used for isolating seal between pipes or pipes and explosion-proof enclosures.

Zones 1&2; 21&22

Explosion protection

Global (IECEX)
Ex db IIC Gb
Ex eb IIC Gb
Ex tb IIIC Db IP66
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 IP66
Certificates: IECEX; ATEX; CU-TR
Enclosure material: Copper-free aluminium
Note: Other material can be customized on request.
Type: Type Z, Type H, Type P
Connection thread: M20-M63
NPT1/2"-NPT2"
G1/2"-G2"
Degree of protection: IP66

EXPLOSION-PROOF FLEXIBLE CONDUITS



BNG

- ◆ Ex d structure.
- ◆ Application:
 - Widely used for flexible connection between explosion-proof boxes or explosion-proof light fittings and pipes
 - Protect cable from any damage
 - Highly corrosion-proof

Zones 1&2; 21&22

Explosion protection

Global (IECEX)

Ex d IIC Gb

Ex tD A21 IP66

Europe (ATEX)

Ex II 2 G Ex d IIC Gb

Ex II 2 D Ex tD A21 IP66

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



EXPLOSION-PROOF DRAIN PLUG



Explosion protection:

Global (IECEX)

Ex d IIC Gb

Europe (ATEX)

Ex II 2 G Ex d IIC Gb

Certificates: ATEX; IECEX; CU-TR (applied for)

Material: SS316

Specification: M20×1.5



STOPPING PLUG



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:

ATEX; IECEX; CU-TR (applied for)

Material: PA66(Polyamide)

Specification: M20-M63

STOPPING PLUG



Explosion protection:

Global (IECEX)

Ex db IIC Gb

Ex e IIC Gb

Ex tb IIIC Db IP66

Europe (ATEX)

Ex II 2 G Ex db IIC Gb

Ex II 2 G Ex e IIC Gb

Ex II 2 D Ex tb IIIC Db IP66

Certificates: IECEX; ATEX; CU-TR

Material:

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

Specification: M20-M115; INPT1/2"-NPT4"; IG1/2"-G4"

EX e STOPPING ROD



Material: Plastic

Specification: φ8, φ12, φ23, φ32

LOCKNUT



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

Specification: M20-M115

NPT1/2"-NPT4"

G1/2"-G4"

SERRATED WASHER



Material: Stainless steel

Specification: M20-M75

SEALING WASHER



Material: Teflon(PTFE)

Specification: M20-M115

SHROUD



Material: Silicone Rubber(VMQ)

Size Code: A-O

EARTH LUG



Material: Nickel plated brass

Specification: φ20-φ115