

BANSHEE

Explosion Proof Products

Fail-Safe
Performance in
**Hazardous
Environments**



Product Catalogue 2025





BANSHEE

Explosion Proof Products

Over 30 years of innovation

Founded in 1989 by Grant Rousseau, BANSHEE began its journey developing sirens for non-hazardous environments. Early designs quickly gained recognition for their **reliability and performance**.

In response to increasing demand, the flagship **BANSHEE 87** was re-engineered to meet stringent **SANS/IEC 60079 standards** for explosive atmospheres. This advancement led to widespread adoption across underground mines and petrochemical facilities throughout the region.

Today, BANSHEE is a leading manufacturer of **flameproof and explosion-protected solutions**. Our product range has expanded beyond sirens to include **beacons, lights, push buttons**, and custom hazardous area devices, each designed with safety, durability, and compliance at their core.

All products are developed and manufactured in our advanced facility, where industry experts, engineers, and quality specialists ensure compliance with **MARK scheme** protocols and **SANS/IEC standards**, consistently meeting or exceeding international safety requirements.

BANSHEE's commitment to quality goes beyond manufacturing, backed by **global best practices, strong quality systems**, and **dedicated after-sales support** to ensure long-term customer satisfaction.

With **over 3 decades** of proven experience, BANSHEE continues to lead through innovation, reliability, and integrity, delivering **value-driven, application-specific solutions** trusted in the world's most demanding environments.



INDEX

Our Story	3
Technical Information	4
Hazardous Zone Classifications	5
Selection of Equipment	6
Products & Services	7
Ex Sounder S1	8
Ex Duplo Siren S1	9
Ex 26S Siren S1	10
Ex 26D Siren S1	11
Ex LED Beacon S1	12
Ex Flood Light S1	13
Ex Siren LED S1 Combo	14
Ex Sounder LED S1 Combo	15
Ex Sounder S3	16
Ex Vehicle Light S3	17
Ex LED Beacon S3	18
Ex Hour Meter S3	19
Ex Pressure Switch S3	20
Ex Oil Level Meter S3	21
Ex Terminal Box S3	22
Ex Isolator S3	23
Ex Start Station S3	24
Ex E-Stop Station S3	25
Ex Door Switch S3	26
Ex Key Switch S3	27
Ex Stop/Start Station S3	28
Ex E-Stop/Start Station S3	29
Ex Local 2 button Station S3	30
Ex Local 3 button Station S3	31

Explore our
comprehensive
range

Technical Information

Explosion protected or commonly referred to as, flameproof devices are designed to keep their surroundings safe from potential hazardous explosions. The units are designed to be resistant to spark and shock, and have a high tolerance to extreme temperatures, creating an ideal solution for hazardous locations. Explosion protected products keep any interior explosion from spreading to the external environment and potentially damaging personnel and property.

Hazardous locations are defined as places where fire or explosive hazards may exist due to flammable gases, flammable liquid-produced vapors, combustible liquid-produced vapors, combustible dusts, or ignitable fibers present in the air in quantities sufficient to produce explosive or ignitable mixtures.

Examples of Hazardous Areas:

Coal Mines:

Typically, 180m from the working face, return airways, battery charging and cap lamp rooms.

Zone 1: Area where the concentration does not exceed 1.4% methane/firedamp in air. (EPL = Mb)

Zone 0: Area where the concentration exceeds 1.4% methane/firedamp in air. (EPL = Ma)

Gas concentrations are more than 0.5% methane/firedamp in the general body of air. (EPL = Mb)

Hard Rock Mines:

Areas when the concentration exceeds 0.5% methane/firedamp in the general body of air. (EPL = Mb)

NB: Gases/Vapors other than methane/firedamp that may be present are additionally considered through a risk assessment/area classification.

Hazardous Chemical Manufacturing



Oil & Gas Refineries



Petrochemical Plants



Power Plants



Mining & Underground Operations



Hazardous Zone Classifications

Gas Zone Definitions

Zones 0, 1 and 2:
Atmospheres with explosive gases and vapours
(AS2380; AS/NZS/IEC 60079)

An area in which an explosive gas atmosphere is present continuously, for long periods or frequently.

EPL Level : Ga
Explosive Condition on >1000 hrs/year

Examples:

- The air space inside a petrol tank
- An area adjacent to the face of a seam of coal.
- The area around a vent which is venting explosive gas.

Zone 0

An area in which an explosive gas atmosphere is likely to occur in normal operation occasionally. This includes areas in which the explosive mixture may exist frequently because of leakage.

EPL Level : Gb
Explosive Condition Normal, >10 ≤1000hrs/year

Examples:

- Outside an unvented petrol tank.
- In ventilated coal mine shafts.

Zone 1

Area in which an explosive gas atmosphere is not likely to occur in normal operation but, if it does occur it will exist for a short period only.

EPL Level : Gc
Explosive Condition Abnormal >0.1 ≤10hrs/year

Examples:

- Open walkways in LNG Plants.
- The top portion of a petrol pump 1m from a fuel truck.

Zone 2

Dust Zone Definitions

Zones 20, 21 & 22:
Hazardous Areas - presence of combustible dusts, fibres or flyings
(AS/NZS/IEC 60079-31)

An area in which an explosive dust atmosphere is present continuously, for long periods or frequently.

EPL Level : Ga
Explosive Condition on >1000 hrs/year

Zone 20

An area in which an explosive dust atmosphere is likely to occur in normal operation occasionally. This includes areas in which the explosive mixture may exist frequently because of leakage.

EPL Level : Gb
Explosive Condition Normal, >10 ≤1000hrs/year

Zone 21

Area in which an explosive dust atmosphere is not likely to occur in normal operation but, if it does occur it will exist for a short period only.

EPL Level : Gc
Explosive Condition Abnormal >0.1 ≤10hrs/year

Zone 22

Temperature Classifications

Temperature classification defines the maximum surface temperature that a product destined for use in a potentially hazardous atmosphere is allowed to operate at.

T1 T2 T3 T4 T5 T6 CLASSIFICATION	Ignition Temp. < 450 °C	300°C < Surface Temp. < 450°C
	300°C < Ignition Temp. < 450°C	200°C < Surface Temp. < 300°C
	200°C < Ignition Temp. < 300°C	135°C < Surface Temp. < 200°C
	135°C < Ignition Temp. < 200°C	100°C < Surface Temp. < 135°C
	100°C < Ignition Temp. < 135°C	85°C < Surface Temp. < 100°C
	85°C < Ignition Temp. < 100°C	Surface Temp. ≤ 85°C
IGNITION TEMPERATURE OF GAS/VAPOR		MAX. APPLICABLE SURFACE TEMP. OF CERTIFIED EQUIPMENT
Mining Group: Methane/Firedamp (537°C) Coal Dust (150°C)		

Selection of Equipment

Equipment used in hazardous areas should be carefully evaluated before selecting a specific product. The below table serves as a guideline to help make the correct decision.

Very high protection required

EPL			TYPE OF PROTECTION	CODE	STANDARD	CONDITIONS OF OPERATION
GROUP I	GROUP II	GROUP III				
Ma			Intrinsically Safe	ia	IEC 60079-11	Equipment remains functioning when explosive atmosphere is present.
			Encapsulation	ma	IEC 60079-18	
			Two independent type of protection each meeting EPL Gb criteria.		IEC 60079-26	
			Optical radiation		IEC 60079-28	
	Ga		Same as "Ma"			Equipment remains functioning in Zones 0, 1, & 2.
		Da	Intrinsically Safe	iD	IEC 60079-11	Equipment remains functioning in Zones 20, 21, and 22.
			Encapsulation	mD	IEC 60079-18	
			Enclosure	tD	IEC 60079-31	

High protection required

Mb			Intrinsically Safe	ib	IEC 60079-11	Equipment de-energised when explosive atmosphere is present.
			Encapsulation	mb	IEC 60079-18	
			Flameproof	d	IEC 60079-1	
			Increase Safety	e	IEC 60079-7	
			Oil immersion	o	IEC 60079-6	
			Pressurised	p/ px/ py	IEC 60079-2	
			Powder filled	q	IEC 60079-5	
			FISCO		IEC 60079-27	
			Optical radiation		IEC 60079-28	
	Gb		Same as "Ma"			Equipment remains functioning in Zones 1 & 2.
		Db	Intrinsically Safe	iD	IEC 60079-11	Equipment remains functioning in Zones 21 and 22.
			Encapsulation	mD	IEC 60079-18	
			Enclosure	tD	IEC 60079-31	
			Pressurised	pD	IEC 61241-4	

Basic protection required

Mb			Intrinsically Safe	ib	IEC 60079-11	Equipment de-energised when explosive atmosphere is present.
			Encapsulation	mb	IEC 60079-18	
			Flameproof	d	IEC 60079-1	
			Increase Safety	e	IEC 60079-7	
			Oil immersion	o	IEC 60079-6	
			Pressurised	p, px, or py	IEC 60079-2	
			Powder filled	q	IEC 60079-5	
			FISCO		IEC 60079-27	
			Optical radiation		IEC 60079-28	
	Gb		Same as "Ma"			Equipment remains functioning in Zones 1 and 2.
		Db	Intrinsically Safe	iD	IEC 60079-11	Equipment remains functioning in Zones 21 and 22.
			Encapsulation	mD	IEC 60079-18	
			Enclosure	tD	IEC 60079-31	
			Pressurised	pD	IEC 61241-4	

NOTE:

If no ambient temperature is indicated on the equipment, it may be used in -20°C to +40°C (default) ambient.

Alternative ambient temperature marked on the equipment. See marking/certificate of equipment.

Products & Services

Explosion Protection

Oil,
Gas &
Mining

There are **many types** of flame-proof/explosion-proof devices available, in this selection we are covering:

**Motorised Sirens • Beacons • Electronic Sounders • Terminal Boxes • Lights
Key Switches • Start/Stop Stations • Isolators • Oil Level Meters • Hour Meters**



Motorised Sirens

Robust, continuous-rated sirens powered by electric motors, ideal for disaster warning, fire alarms, security alerts, process control, and machinery signaling in hazardous environments.



Beacons

Visual signaling devices with flashing, static, or rotating light functions. Available in multiple colors and often paired with sirens for audio-visual alerts.



Electronic Sounders

Versatile low-power sounders offering 30+ selectable tones and multi-stage alarms. Widely used in fire, security, mining, industrial, and hazardous area applications.



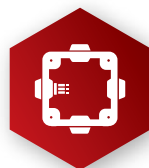
Lights

Flameproof lighting solutions designed for underground vehicles, inspection areas, and confined spaces where reliable illumination is critical to safety.



Terminal Box

Durable junction boxes for safe power distribution in hazardous zones. Available for various industrial applications in EN8 mild steel or 304/316 stainless steel.



Isolator

Heavy-duty isolators with lockout capabilities to ensure safe equipment shutdown in explosive atmospheres. Simple installation with accessible terminals.



Key Switches

Explosion-protected key-operated switches used to control access or restrict activation of critical equipment in hazardous zones.



Oil Level Meters

Industrial-grade level indicators for monitoring oil levels in tanks or gearboxes within flameproof enclosures.



Start/Stop Stations

Rugged, flameproof control stations enabling manual machine start and stop functions in explosive or dusty environments.



Hour Meters

Durable counters for tracking equipment runtime, aiding in maintenance scheduling and performance monitoring in hazardous environments.

Services



Product Repairs

All BANSHEE products are covered by a 5-year warranty and supported by fast, reliable repair services to ensure optimal performance throughout the product lifecycle.



Technical Site Surveys

Our on site industry experts offers the best technical advice, as well as on site demonstrations where required.



Custom OEM Solutions

If you can't find a product that meets your requirements, BANSHEE works closely with mining machinery OEMs to design and develop tailored flameproof and explosion-protected solutions. Our engineering team can create custom products, from enclosures to signaling systems, ensuring seamless integration into specialized equipment and meeting the most demanding operational needs.

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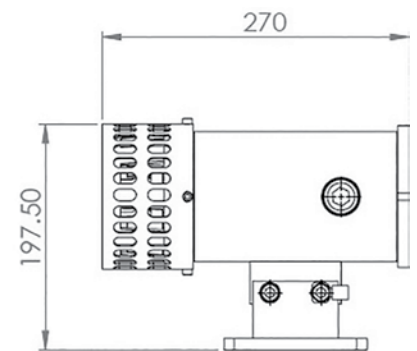
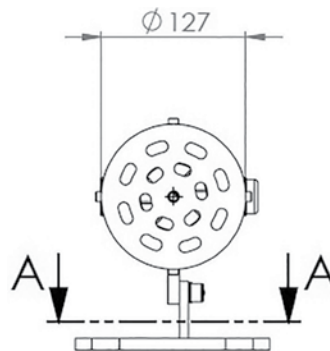
Ex Sounder S1



The Banshee Ex Sounder S1 is an electronic sounder designed for the most hazardous environments, including fiery mines and petrochemical plants. Housed in a robust 304 stainless steel enclosure, this explosionprotected device features two M20 cable gland entries and a unique screw-on lid, allowing for quick and easy cable connections during installation. With 32 selectable tones, the sounder ensures clear and customizable alerts tailored to your safety needs, all while being safeguarded by a durable stainless steel nose cone.

PRODUCT CODE

BFES024 = 12-24Vdc
BFES220 = 110-220Vac



OUR PRODUCTS CARRY A **5 YEAR WARRANTY**

SPECIFICATIONS

VOLTAGE	12-24VDC 110-220VAC
DUTY CYCLE	Continuous Rated
SOUND OUTPUT	108dB(A) at 1m
SOUND FREQUENCY	420-3100 Hz (depending on the sound selection)
APP. RANGE	600m in still air on open field
CURRENT CONSUMPTION	4-40 mA (depending on the sound selection)
CLASSIFICATION	Ex db [ia] Mb Ex db [ia] IIC T6 Gb Ex tb IIIC T85°C Db IP65
CERTIFICATION	MASC S/22-2110X
GAS GROUPS	I, IIA, IIB, IIC, IIIA, IIIB, IIIC
IGNITION GROUP	T6 - 85°C
IP RATING	IP65
WEIGHT	9kg
PACKING DIMENSIONS	270 x 200 x 230mm



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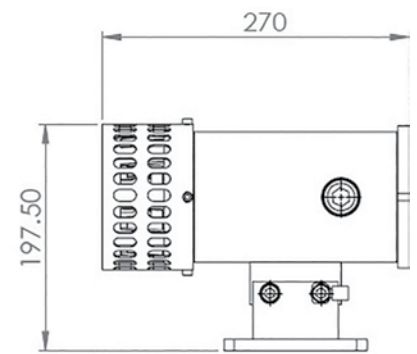
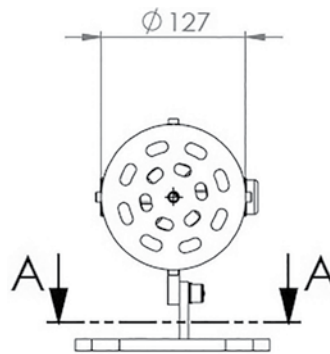
Ex Duplo Siren S1



The Banshee Ex Duplo Siren S1 is a robust motorized siren engineered for demanding environments like fiery mines and petrochemical plants. Constructed from durable 304 or 316 stainless steel, this explosion-protected device features two M20 cable gland entries and a unique screw-on back lid which allow for easy cable connections. The siren's impeller and cover are safeguarded by a stainless-steel nose cone, ensuring reliable performance and longevity in hazardous conditions.

PRODUCT CODE

BFSM110 - 110V
BFSM220 = 220V



OUR PRODUCTS CARRY A **5 YEAR WARRANTY**

SPECIFICATIONS

VOLTAGE	110VAC/DC 220 VAC/DC
DUTY CYCLE	Continuous (Thermal cut-out protection)
SOUND OUTPUT	123dB(A) at 1m
SOUND FREQUENCY	950 - 1200Hz
APP. RANGE	1000m in still air on open field
CURRENT CONSUMPTION*	110V AC/DC - 1.8A 220V AC/DC - 0.9A
CLASSIFICATION	Ex db I Mb Ex db IIC T6 Gb Ex tb IIIC T85°C IP65 Db
CERTIFICATION	IECEX ICS 15.0027X MASC MS/25-9003X MASC S/22-2110X
GAS GROUPS	I, IIA, IIB, IIC, IIIA, IIIB, IIIC
IGNITION GROUP	T6 - 85°C
IP RATING	IP65
WEIGHT	9kg
PACKING DIMENSIONS	270 x 200 x 230mm



*Startup current x8 of nominal current

BANSHEE

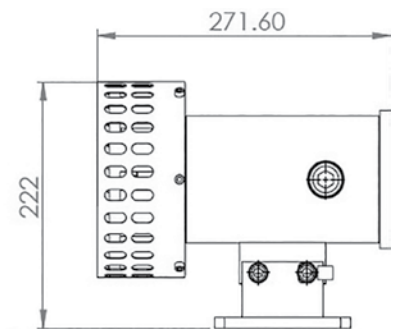
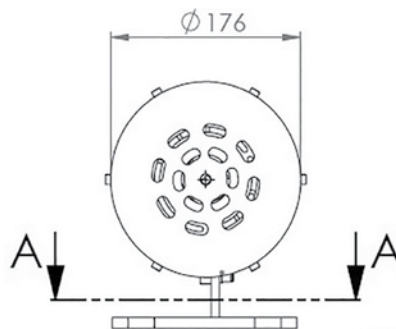
Ex 26S Siren S1



The Banshee Ex 26S Siren S1 is a powerful motorized siren engineered for the most demanding environments, including fiery mines and petrochemical plants. Built within a robust 304 or 316 stainless steel enclosure, this explosion protected device features two M20 cable gland entries and a unique screw-on lid for straightforward cable connections. The impeller and cover are further safeguarded by a durable stainless- steel nose cone, ensuring reliable performance in critical situations.

PRODUCT CODE

BFSM311 = 110V
BFSM322 = 220V



OUR PRODUCTS CARRY A **5 YEAR WARRANTY**

SPECIFICATIONS

VOLTAGE	110VAC/DC 220VAC/DC
DUTY CYCLE	Continuous (Thermal cut-out protection)
SOUND OUTPUT	125dB(A) at 1m
SOUND FREQUENCY	660Hz
APP. RANGE	1500m in still air on open field
CURRENT CONSUMPTION*	110V AC/DC - 2A 220V AC/DC - 1,5A
CLASSIFICATION	Ex db I Mb Ex db IIC T6 Gb Ex tb IIIC T85°C IP65 Db
CERTIFICATION	IECEx ICS 15.0027X MASC MS/25-9003X MASC S/22-2110X
GAS GROUPS	I, IIA, IIB, IIC, IIIA, IIIB, IIIC
IGNITION GROUP	T6 - 85°C
IP RATING	IP65
WEIGHT	12kg
PACKING DIMENSIONS	279 x 200 x 230mm



*Startup current x8 of nominal current

BANSHEE

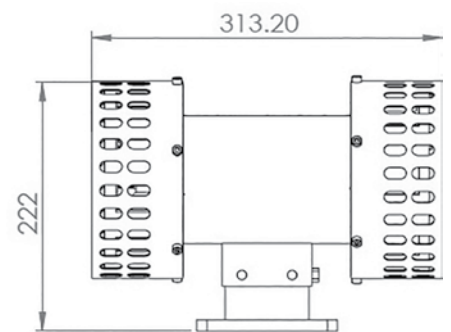
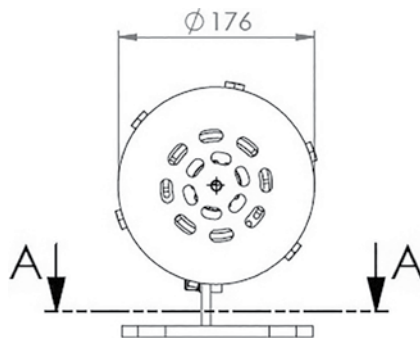
Ex 26D Siren S1



The Banshee Ex 26D Siren S1 is a motorized siren designed for the most challenging environments, including fiery mines and petrochemical plants. Enclosed in a robust 304 or 316 stainless steel housing, this explosion-protected device features a double shaft motor that powers two separate impellers, producing a distinctive sound for maximum alert effectiveness. Cable connections are made easy through the auxiliary terminal box, which includes two M20 cable gland entries and a removable lid for convenient access. Both impellers and their covers are shielded by durable stainless steel nose cones, ensuring reliability and longevity in critical applications.

PRODUCT CODE

BFSM411 = 110Vac
BFSM422 = 220Vac



OUR PRODUCTS CARRY A **5 YEAR WARRANTY**

SPECIFICATIONS

VOLTAGE	110VAC 220VAC
DUTY CYCLE	Continuous (Thermal cut-out protection)
SOUND OUTPUT	122dB(A) at 1m
SOUND FREQUENCY	370Hz / 660Hz
APP. RANGE	2000m in still air on open field
CURRENT CONSUMPTION	110 VAC - 2A 220 VAC - 1.5A
CLASSIFICATION	Ex db I Mb Ex db IIC T6 Gb Ex tb IIIC T85°C IP65 Db
CERTIFICATION	IECEX ICS 15.0027X MASC MS/25-9003X
GAS GROUPS	I, IIA, IIB, IIC, IIIA, IIIB, IIIC
IGNITION GROUP	T6 - 85°C
IP RATING	IP65
WEIGHT	16kg
PACKING DIMENSIONS	365 x 260 x 200mm



BANSHEE

Ex LED Beacon S1



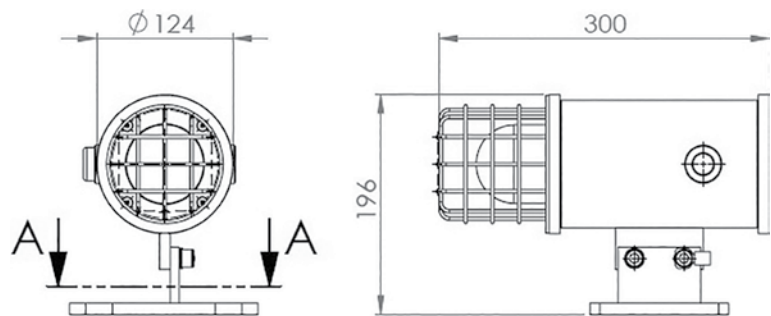
The Banshee Ex LED Beacon S1 is a signalling device designed for hazardous environments, including fiery mines and petrochemical plants. This explosion-protected beacon is housed in a durable 304 stainless steel enclosure, featuring two M20 cable gland entries and a unique screw-on lid for easy cable connections. The powerful LEDs are encased in a toughened glass dome, safeguarded by a robust stainless steel dome cage, ensuring maximum durability and visibility.

PRODUCT CODE

BFB*024 = 12-24Vdc
BFB*220 = 110-220Vac

* Indicates LED & Glass Colour:

A=Amber, B=Blue, R=Red, G=Green, W=White



OUR PRODUCTS CARRY A **5 YEAR WARRANTY**



SPECIFICATIONS

VOLTAGE	12-24VDC 110-220VAC
DUTY CYCLE	Continuous Rated
COLOUR	Amber, Red, Blue, Green, White
LIGHT SOURCE	40 LEDs
LIGHT OUTPUT	9W
LIGHT INTENSITY	70 Lux Rotating 100 Lux Flashing 70 Lux Static
CURRENT CONSUMPTION	12/24 VDC - 0.4A 110/220 VAC - 0.05A
CLASSIFICATION	Ex db IIC T6 Gb Ex tb IIIC T85°C Db IP65
CERTIFICATION	MASC S/22-2110X
GAS GROUPS	IIA, IIB, IIC, IIIA, IIIB, IIIC
IGNITION GROUP	T6 - 85°C
IP RATING	IP65
WEIGHT	9kg
PACKING DIMENSIONS	270 x 200 x 230mm

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Ex Flood Light S1



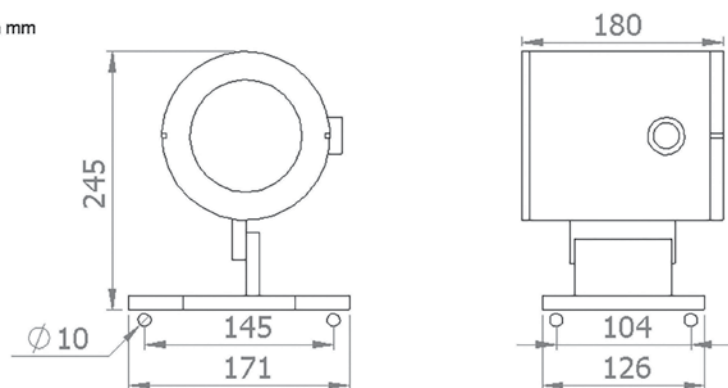
The Ex Flood Light S1 has been engineered for the most demanding environments such as fiery mines, petrochemical plants, and underground coal mines. This robust unit features advanced LED technology, which allow for an extended lifespan and energy efficiency, housed in a durable 304 stainless steel enclosure with a secure M20 cable entry. The LEDs are protected by double-layered toughened glass plates, ensuring resilience against harsh conditions, while its innovative screw-on back lid design simplifies cable connections. Reliable and efficient, it's the ideal lighting solution for hazardous and flameproof applications.

PRODUCT CODE

BFLF012 = 12-24Vdc

BFLF220 = 220Vac

All dimensions in mm



OUR PRODUCTS CARRY A **5 YEAR WARRANTY**



SPECIFICATIONS

VOLTAGE	10-30VDC 220VAC
COLOUR	White
LIGHT SOURCE	LV: 9 LEDs HV: 12 Super Bright LEDs
LIGHT INTENSITY	10-30 VDC - 6.5 Lux at 10m 220VAC - 190 Lux at 5m
CURRENT CONSUMPTION	10-30 VDC - 2.7A 220 VAC - 0.05A
CLASSIFICATION	Ex db I Mb Ex db IIC T4 Gb Ex ta IIIC T110°C Da IP65
CERTIFICATION	MASC MS/21-2773X
GAS GROUPS	I, IIA, IIB, IIC, IIIA, IIIB, IIIC
IGNITION GROUP	T4 - 135°C
IP RATING	IP65
WEIGHT	12kg
PACKING DIMENSIONS	270 x 200 x 230mm

BANSHEE

Ex Siren LED S1 Combo



The Ex Siren Beacon Combination Unit is engineered for safety and reliability in hazardous environments like fiery mines and petrochemical plants. Housed in a robust 304 stainless steel enclosure, this unit features a small terminal box with two M20 cable entries and a removable lid for easy cable connections. The siren's impeller and cover are safeguarded by a stainless-steel nose cone, while the LEDs are shielded by a toughened glass dome encased in a stainless-steel dome cage, ensuring durability and optimal performance in explosive conditions. This combination unit provides both high-intensity audible and visual alerts, meeting stringent safety standards.

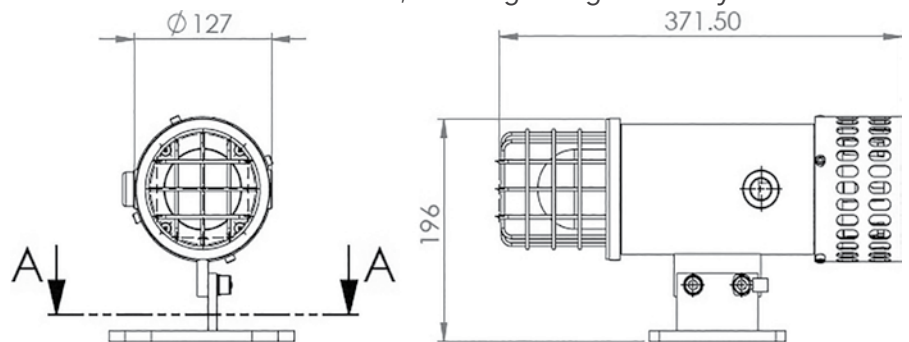
PRODUCT CODE

BFSBL*4 = 110Vac

BFSBL*5 = 220Vac

* Indicates LED & Glass Colour:

A=Amber, B=Blue, R=Red, G=Green, W=White



OUR PRODUCTS CARRY A **5 YEAR WARRANTY**

SPECIFICATIONS

VOLTAGE	110VAC 220VAC
DUTY CYCLE	Continuous (Siren - Thermal cut-out protection)
SOUND OUTPUT	123dB(A) at 1m
SOUND FREQUENCY	950 - 1200Hz
APP. RANGE	1000m in still air on open field
COLOUR	Amber, Red, Blue, Green
LIGHT SOURCE	40 LEDs
LIGHT INTENSITY	70 Lux Rotating 100 Lux Flashing 70 Lux Static
CURRENT CONSUMPTION	110 VAC - 1.9A 220 VAC - 0.95A
CLASSIFICATION	Ex db IIC T6 Gb Ex tb IIIC T85°C Db IP65
CERTIFICATION	MASC S/22-2110X
GAS GROUPS	IIA, IIB, IIC, IIIA, IIIB, IIIC
IGNITION GROUP	T6 - 85°C
IP RATING	IP65
WEIGHT	12kg
PACKING DIMENSIONS	365 x 260 x 200mm



BANSHEE

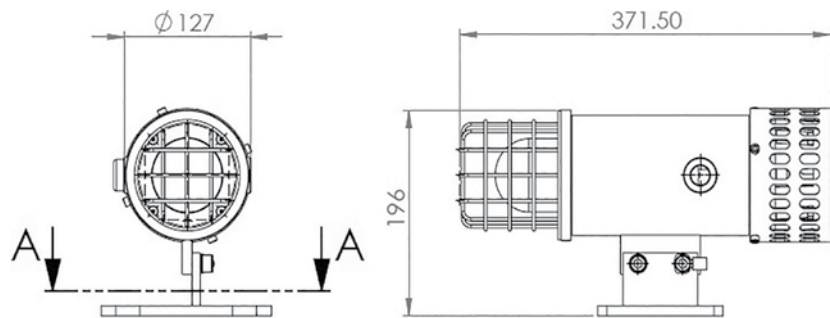
Ex Sounder LED S1 Combo

The Ex Sounder Beacon Combination Unit is designed for critical applications in fiery mines, petrochemical plants, and other hazardous environments. Featuring a rugged 304 stainless steel housing and a compact terminal box, with two M20 cable entries and a removable lid which allow for easy cable connections, this unit ensures robust performance in explosive settings. The electronic sounder, shielded by a durable stainless steel nose cone, delivers 32 selectable tones to suit various alert needs. Meanwhile, the LEDs are safeguarded by a toughened glass dome within a stainless steel dome cage, offering both durability and visibility in challenging conditions.

PRODUCT CODE

BFEBL*2 = 12-24Vdc
BFEBL*5 = 110-220Vac

* Indicates LED & Glass Colour:
A=Amber, B=Blue, R=Red, G=Green, W=White



OUR PRODUCTS CARRY A 5 YEAR WARRANTY



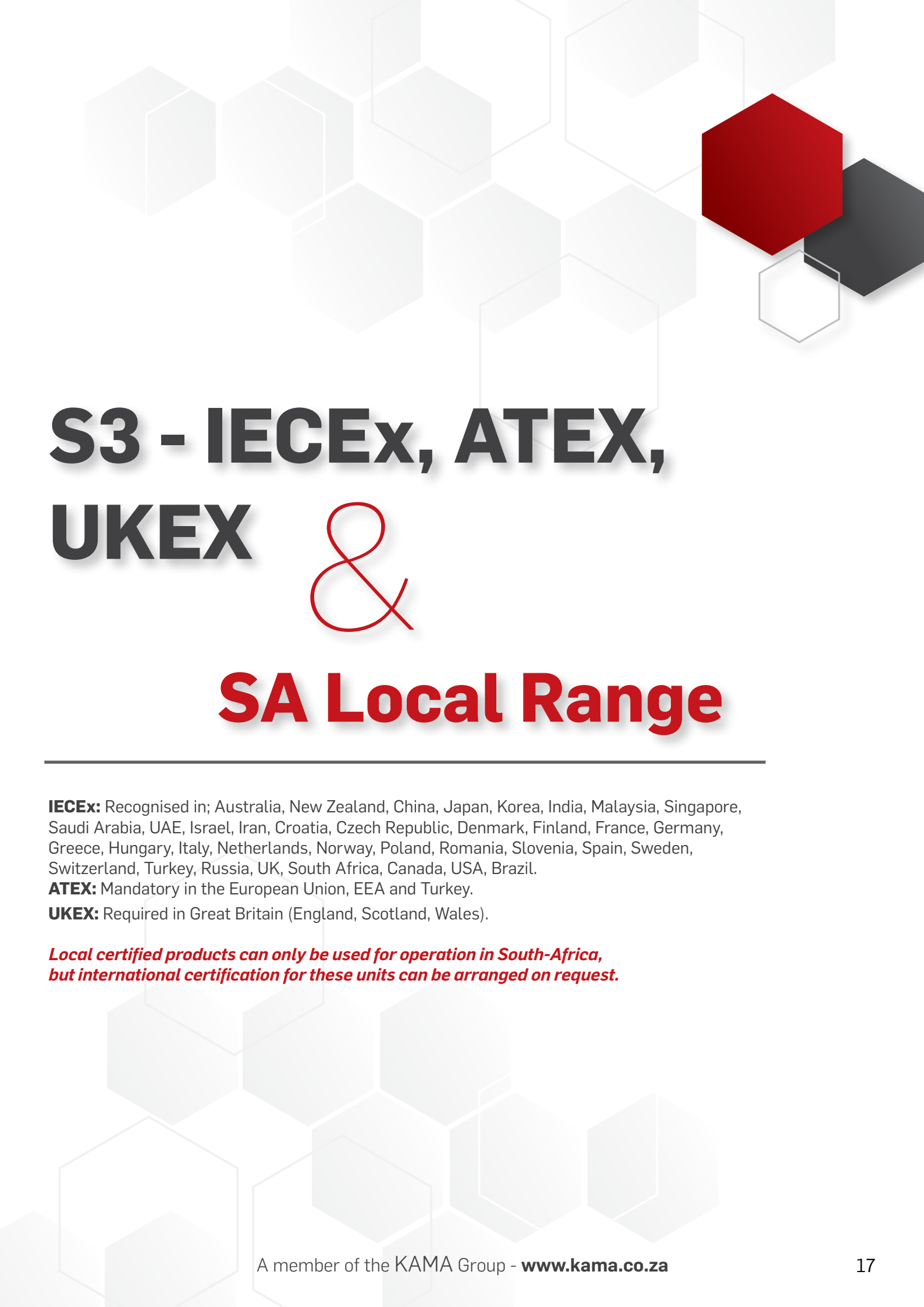
SPECIFICATIONS

VOLTAGE	12-24VDC 110-220VAC
DUTY CYCLE	Continuous Rated
SOUND OUTPUT	108dB(A) at 1m
SOUND FREQUENCY	420-3100 Hz (depending on the sound selection)
APP. RANGE	600m in still air on open field
COLOUR	Red, Amber, Blue, Green
LIGHT SOURCE	40 LED's
LIGHT INTENSITY	70 Lux Rotating 100 Lux Flashing 70 Lux Static
CURRENT CONSUMPTION	12-24 VDC - 0.42A 110-220 VAC - 0.07A
CLASSIFICATION	Ex db [ia] IIC T6 Gb Ex tb IIIC T85°C Db IP65
CERTIFICATION	MASC S/22-2110X
GAS GROUPS	IIA, IIB, IIC, IIIA, IIIB, IIIC
IGNITION GROUP	T6 - 85°C
IP RATING	IP65
WEIGHT	12kg
PACKING DIMENSIONS	365 x 260 x 200mm



BANSHEE

Explosion Proof Products



S3 - IECEX, ATEX, UKEX & SA Local Range

IECEX: Recognised in; Australia, New Zealand, China, Japan, Korea, India, Malaysia, Singapore, Saudi Arabia, UAE, Israel, Iran, Croatia, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Italy, Netherlands, Norway, Poland, Romania, Slovenia, Spain, Sweden, Switzerland, Turkey, Russia, UK, South Africa, Canada, USA, Brazil.

ATEX: Mandatory in the European Union, EEA and Turkey.

UKEX: Required in Great Britain (England, Scotland, Wales).

*Local certified products can only be used for operation in South-Africa,
but international certification for these units can be arranged on request.*

BANSHEE

Ex Sounder S3



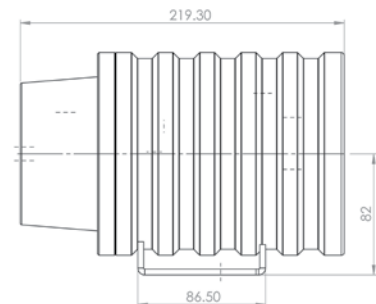
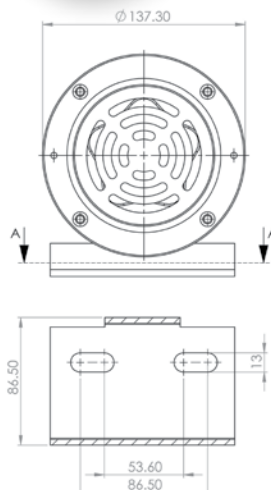
The Banshee Ex Sounder S3 is an electronic sounder designed for both underground and surface applications, ideal for areas where an explosion-protected device is essential. Constructed with a durable electroplated mild steel housing, this unit houses an advanced electronic sounder equipped with 32 user-selectable tones, offering a diverse range of sounds and frequencies to suit various alerting needs. Manufactured from high-grade mild steel and electroplated for enhanced corrosion resistance, the sounder is built to withstand harsh conditions. Additionally, it features one M20 gland entry and one M25 gland entry, ensuring flexible installation while maintaining safety and compliance in demanding environments.

PRODUCT CODE

12-24 VDC: BXMS012
110-220 VAC: BXMS220



NOTE: The IECEX, ATEX and UKEX certification is ONLY Certified for Underground Application



OUR PRODUCTS CARRY A 5 YEAR WARRANTY

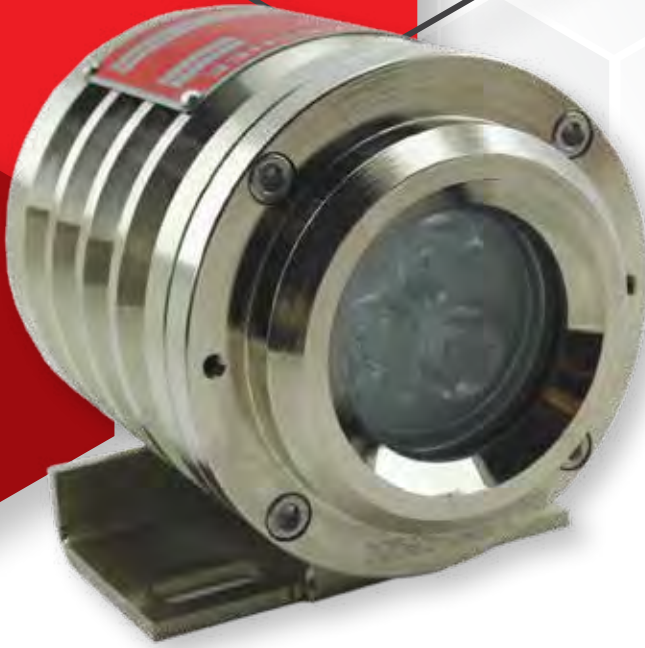
SPECIFICATIONS

VOLTAGE	12-24VAC/DC 110-220VAC
DUTY CYCLE	Continuous Rated
SOUND OUTPUT	108dB(A) at 1m
SOUND FREQUENCY	420-3100 Hz (depending on the sound selection)
APP. RANGE	600m in still air on open field
CURRENT CONSUMPTION	4-40 mA (depending on the sound selection)
CLASSIFICATION	Ex db ia I Mb (International) Ex db [ia] I Mb (RSA Only) Ex db [ia] IIB + H2 T4 Gb (RSA Only)
CERTIFICATION	MASC MS/18-1795X IECEX ICS 22.0019X MASC M/23-9005X CML 24ATEX1189X CML 24UKEX1196X
GAS GROUPS	I, IIA, IIB
IGNITION GROUP	T4 - 135°C
IP RATING	IP54
WEIGHT	10kg
PACKING DIMENSIONS	230 x 160 x 230mm



BANSHEE

Ex Vehicle Light S3

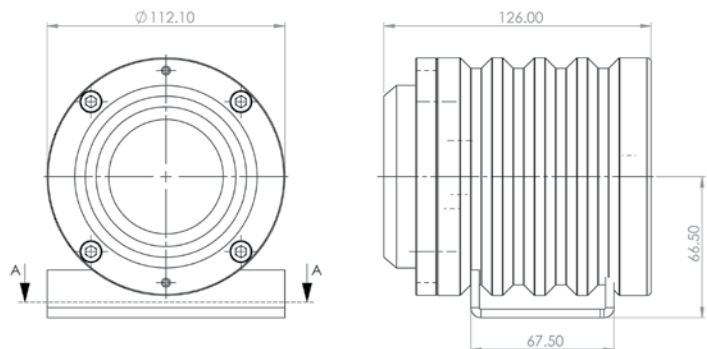


The Banshee Ex Vehicle Light S3 is designed for use in underground and surface mining vehicles, as well as in areas that require an explosion-protected device. Constructed with a flameproof enclosure, this unit is fitted with a toughened transparent glass lens that houses an array of LEDs, including three high-bright white LEDs for excellent driver visibility, three red LEDs for indicating the rear of the vehicle, and one flashing amber LED that serves as a hazard indicator. Manufactured from high-grade mild steel and electroplated for corrosion resistance, the unit is built to endure challenging conditions. Additionally, it features one M20 gland entry and one M25 gland entry, allowing for versatile installation while maintaining safety and compliance in demanding environments.

PRODUCT CODE

12-24 VDC: BXDL124

12-24 VAC: BXDL12A



NOTE: The IECEX, ATEX and UKEX certification is ONLY Certified for Underground Application

OUR PRODUCTS CARRY A 5 YEAR WARRANTY

SPECIFICATIONS

VOLTAGE	12-24VAC/DC
DUTY CYCLE	Continuous Rated
LIGHT SOURCE	3 High-Bright White LED's, 3 Red LED's, 1 Flashing Amber
LIGHT INTENSITY	11 Watt (100Lux @10m, 25 Lux @ 20m)
CURRENT CONSUMPTION	0.6A
CLASSIFICATION	Ex db op is I Mb (International) Ex db I Mb (RSA Only) Ex db IIB + H2 T4 Gb (RSA Only)
CERTIFICATION	MASC MS/18-1794X IECEx ICS 22.0022X MASC M/23-9008X CML 24ATEX1192X CML 24UKEX1199X
ZONES	1 & 2
GAS GROUPS	I, IIA, IIB
IGNITION GROUP	T4 - 135°C
IP RATING	IP54
WEIGHT	6kg
PACKING DIMENSIONS	210 x 140 x 140mm



BANSHEE

Ex LED Beacon S3



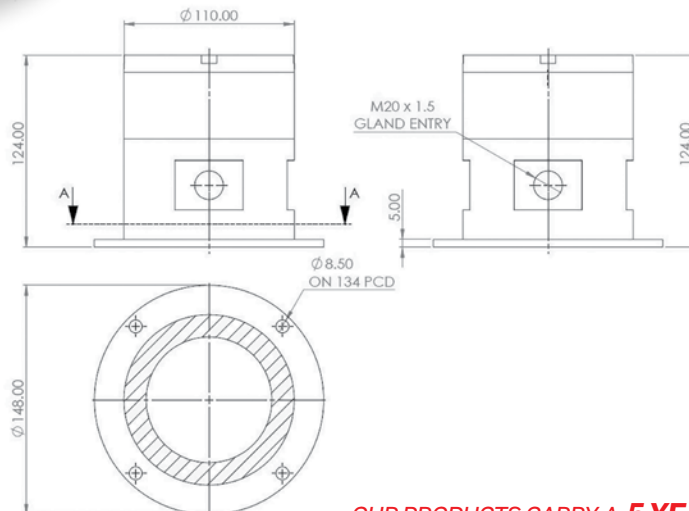
The Banshee Ex LED Beacon S3 is an ideal solution for applications in underground and surface mining, as well as any area where an explosion-protected device is necessary. Manufactured from high-grade mild steel, the electroplated housing is designed for durability, while a clear polycarbonate lens protects forty high-bright LEDs, ensuring heightened visibility. The beacon offers three selectable LED output modes-static, flashing, or rotating-allowing users to customize alerts based on their needs. Additionally, the unit features three M25 gland entries, providing versatile installation options while maintaining safety and compliance in demanding environments.

PRODUCT CODE

BXVL(*)12
BXVL(*)22

*Indicates LED Colour:

A=Amber, B=Blue, R=Red, G=Green, W=White



OUR PRODUCTS CARRY A **5 YEAR WARRANTY**

NOTE: The IECEX, ATEX and UKEX certification is ONLY Certified for Underground Application



SPECIFICATIONS

VOLTAGE	12-24 VDC 110-220 VAC
COLOUR	Amber, Red, Blue, Green, White
LIGHT SOURCE	9W LED - 40 SMD 360°
LIGHT INTENSITY	70 Lux Rotating 100 Lux Flashing 70 Lux Static
CURRENT CONSUMPTION	12-24 VDC - 0.4A 110-220 VAC - 0.05A
CLASSIFICATION	Ex db op is I Mb (International) Ex db I Mb (RSA Only) Ex db IIC T4 Gb (RSA Only) Ex tb IIIC 85°C Db IP65 (RSA Only)
CERTIFICATION	MASC MS/18-3027X IECEX ICS 22.0021X MASC M/23-9007X CML 24ATEX1191X CML 24UKEX1198X
GAS GROUPS	I, IIA, IIB, IIC, IIIA, IIIB, IIIC
IGNITION GROUP	T4 - 135°C
ZONES	1, 2, 21 & 22
IP RATING	IP65
WEIGHT	4kg
PACKING DIMENSIONS	230 x 160 x 230mm

BANSHEE

Ex Hour Meter S3

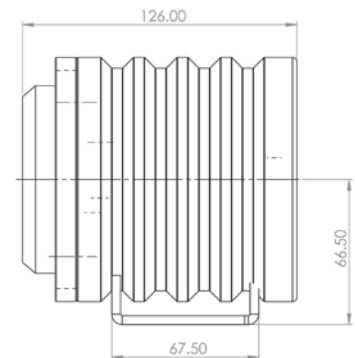
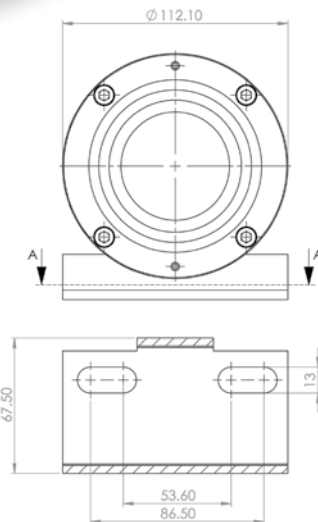


The Banshee Ex Hour Meter S3 is an explosion-proof instrument designed for hazardous environments, accurately tracking the operational hours of machinery and equipment. Suitable for both underground and surface applications, it is ideal for use in mining, chemical plants, and gas manufacturing and processing facilities. Manufactured from high-grade mild steel, the unit's electroplated parts ensure resistance to corrosion, enhancing durability in challenging conditions. Additionally, the hour meter features one M20 gland entry and one M25 gland entry, providing flexible installation options while maintaining safety and compliance in critical settings.

PRODUCT CODE
BXHM430



NOTE: The IECEX, ATEX and UKEX certification is ONLY Certified for Underground Application



OUR PRODUCTS CARRY A 5 YEAR WARRANTY

SPECIFICATIONS

VOLTAGE	4-30VAC/DC
DUTY CYCLE	Continuous Rated
CURRENT CONSUMPTION	0.25A
CLASSIFICATION	Ex db I Mb Ex db IIB + H2 T4 Gb (RSA Only)
CERTIFICATION	MASC MS/18-1794X IECEX ICS 22.0022X MASC M/23-9008X CML 24ATEX1192X CML 24UKEX1199X
GAS GROUPS	1 & 2
IGNITION GROUP	I, IIA, IIB
ZONE CLASS	T4 - 135°C
IP RATING	IP54
WEIGHT	6kg
PACKING DIMENSIONS	210x 140x 140mm



BANSHEE

Ex Pressure Switch S3



The Banshee Ex Pressure Switch S3 is designed to monitor and control pressure levels within equipment or systems used in underground mining applications. It ensures the safe operation by activating or deactivating based on predefined pressure thresholds and preventing overpressure situations that could lead to hazardous incidents. The unit consists of a flameproof enclosure that houses up to three Normally Closed (N/C) or Normally Open (N/O) switches; the customer can select the combination of switches and switch positions to ensure the pressure switch meets their needs.

PRODUCT CODE

BXPS100 = 1 Switch

BXPS200 = 2 Switch

BXPS300 = 3 Switch



OUR PRODUCTS CARRY A 5 YEAR WARRANTY

SPECIFICATIONS

VOLTAGE	100V
DUTY CYCLE	NC or NO (According to customer requirements)
ACTIVATION PRESSURE	Customer Specification
CURRENT CONSUMPTION	1A
CLASSIFICATION	Ex db I Mb
CERTIFICATION	MASC M/23-9011X IECEx ICS 23.0008X CML 24ATEX1195X CML 24UKEX1202X
GAS GROUPS	I
IGNITION GROUP	150°C
ZONE CLASS	1 & 2
IP RATING	IP54
WEIGHT	6.5kg
PACKING DIMENSIONS	230 x 160 x 230mm





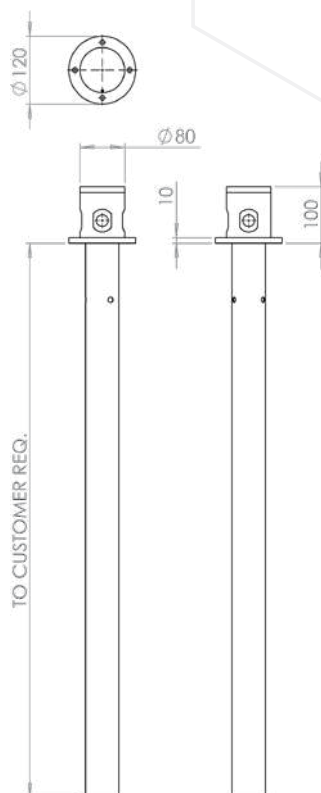
PRODUCT CODE
BXOM600



BANSHEE

Ex Oil Level Meter S3

The Banshee Ex Oil Level Meter S3 accurately measures and monitors the oil level in tanks or equipment used in underground mining. This versatile unit can be equipped with Normally Closed (N/C) or Normally Open (N/O) switches, as well as a temperature sensor or thermostat, tailored to specific customer requirements. Users can select the combination of switches and switch positions to ensure the oil level meter meets their exact needs. Manufactured from highgrade mild steel, the unit's electroplated parts enhance corrosion resistance, making it suitable for harsh environments. Additionally, the level meter features three M25 gland entries, providing flexible installation options while maintaining safety and compliance.



OUR PRODUCTS CARRY A 5 YEAR WARRANTY

SPECIFICATIONS

VOLTAGE	127VAC/DC
DUTY CYCLE	N/C or N/O (According to customer requirements)
TEMP CUT OUT	70°C 75°C 80°C 85°C (According to customer requirements)
CURRENT CONSUMPTION	1A
CLASSIFICATION	Ex db Mb
CERTIFICATION	IECEx ICS 22.0024X MASC M/23-9010X CML 24ATEX1194X CML 24UKEX1201X
GAS GROUPS	I
IGNITION GROUP	150°C
ZONE CLASS	1 & 2
IP RATING	IP54
WEIGHT	According to customer requirements
PACKING DIMENSIONS	According to customer requirements



BANSHEE

Ex Terminal Box S3

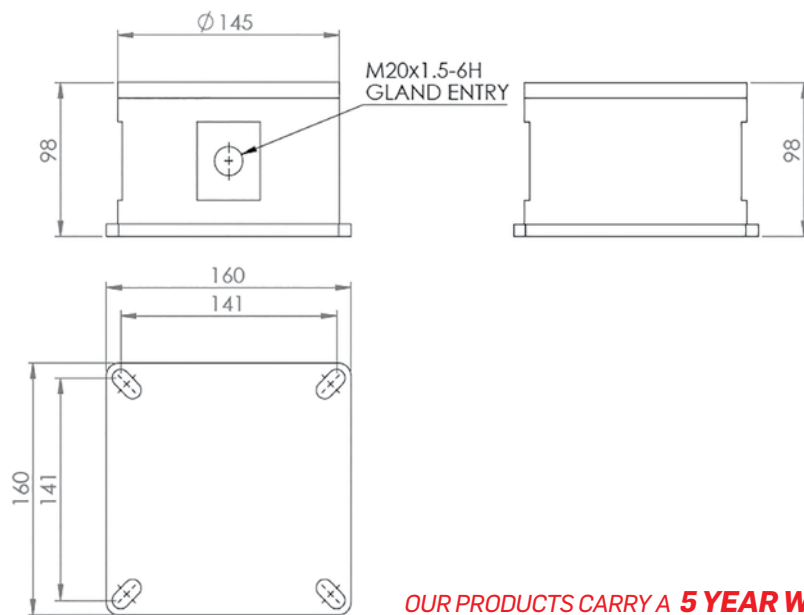


The Banshee Ex Terminal Box S3 is a robust junction box that provides a safe enclosure for electrical connections and terminations, ensuring that potential sources of ignition are contained and minimized. Ideal for use in various underground and surface hazardous areas such as mining, petrochemical plants, and gas manufacturing and processing facilities, this unit is manufactured from high-grade mild steel. The mild steel parts are electroplated to enhance corrosion resistance, ensuring durability in challenging environments. Additionally, the terminal box features one M20 gland entry and two M25 gland entries, offering versatile installation options while maintaining safety and compliance.

PRODUCT CODE
BXTB400



NOTE: The IECEX, ATEX and UKEX certification is ONLY Certified for Underground Application



OUR PRODUCTS CARRY A 5 YEAR WARRANTY



SPECIFICATIONS

CLASSIFICATION	Ex db I Mb Ex db IIB +H2 T4 Gb (RSA Only)
CERTIFICATION	MASC MS18-2263X IECEX ICS 22.0020X MASC M/23-9006X CML 24ATEX1190X CML24UKEX1197X
ZONES	1 & 2
GAS GROUPS	I, IIA, IIB
IGNITION GROUP	T4 - 135°C
IP RATING	IP54
WEIGHT	9.5kg
PACKING DIMENSIONS	230 x 160 x 230mm

BANSHEE

Ex Isolator S3

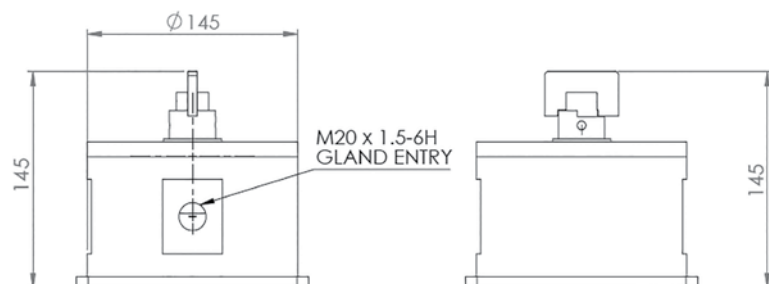


PRODUCT CODE
BXIS400

The Banshee Ex Isolator S3 is an explosion-proof switch that provides users with a safe and reliable method for isolating electrical circuits or equipment. Designed specifically for use in hazardous industries such as petrochemicals, refineries, and mining, this specialized switch features a flameproof enclosure that houses an isolator switch, enabling operators to disconnect power quickly and effectively. Additionally, operators can lock the switch in the ON or OFF position, ensuring adherence to safety protocols and lock-out procedures. Manufactured from high-grade mild steel, the unit's electroplated parts enhance corrosion resistance, making it suitable for demanding environments. The isolator also features one M20 gland entry and two M25 gland entries, providing versatile installation options while maintaining safety and compliance.



NOTE: The IECEX, ATEX and UKEX certification is ONLY Certified for Underground Application



OUR PRODUCTS CARRY A 5 YEAR WARRANTY



SPECIFICATIONS

VOLTAGE	415VAC/DC
CURRENT CONSUMPTION	25A
CLASSIFICATION	Ex db I Mb Ex db IIB + H2 T4 Gb (RSA Only)
CERTIFICATION	MASC MS/18-2264U MASC MS/18-2265X IECEX ICS 22.0020X MASC M/23-9006X IECEX ICS 22.0023U MASC M/23-9009U CML 24ATEX1190X CML 24ATEX1193U CML24UKEX1197X CML 24UKEX1200U
ZONES	1 & 2
GAS GROUPS	I, IIA, IIB
IGNITION GROUP	T4 - 135°C
IP RATING	IP54
WEIGHT	9.5kg
PACKING DIMENSIONS	230 x 160 x 230mm

BANSHEE

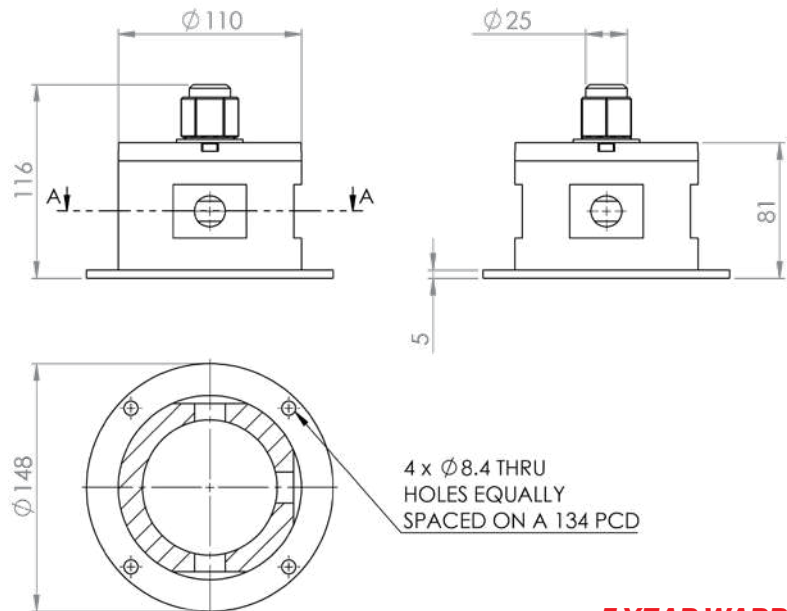
Ex Start Station S3



The Banshee Ex Start Station S3 (Stop Station also available) is designed for safe operation of machinery and equipment in underground mining applications. Built within a durable flameproof enclosure, the unit houses a switch mechanism that activates equipment when the button is pressed. Available with either a green start button or a red stop button, it allows operators to select the configuration that best suits their control needs. Manufactured from high-grade mild steel with electroplated components, it delivers excellent corrosion resistance and durability in harsh environments. The push button assembly features three M25 gland entries for flexible installation while maintaining safety and compliance in critical settings.

PRODUCT CODE
BXSA600

BXSA700
NOTE: THE EX STOP STATION
IS AVAILABLE ON REQUEST.



OUR PRODUCTS CARRY A 5 YEAR WARRANTY



SPECIFICATIONS

RATED VOLTAGE	600VAC/DC
DUTY CYCLE	Spring return
CURRENT CONSUMPTION	10A
CLASSIFICATION	Ex db I Mb
CERTIFICATION	IECEx ICS 22.0021X MASC M/23-9007X IECEx ICS 22.0023U MASC M/23-9009U CML 24ATEX1191X CML 24ATEX1193U CML 24UKEX1198X CML 24UKEX1200U
GAS GROUPS	I
IGNITION GROUP	150°C
ZONE CLASS	1 & 2
IP RATING	IP54
WEIGHT	5kg
PACKING DIMENSIONS	230 x 160 x 230mm

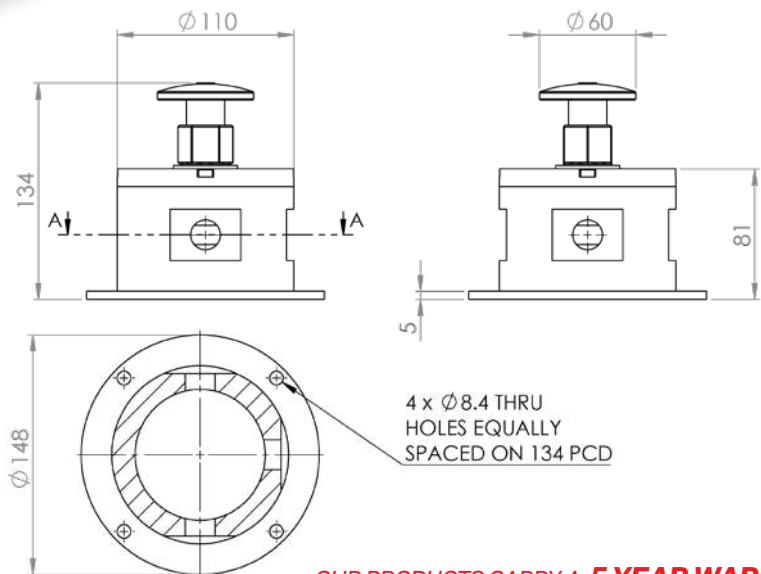
BANSHEE

Ex E-Stop Station S3



The Banshee Ex E-Stop Station S3 is a vital safety device designed to interrupt the operation of machinery and equipment in hazardous environments, such as underground mining. Constructed within a flameproof enclosure, the unit houses a switch operator that immediately cuts off power to the equipment when the emergency stop button is pressed. Manufactured from high-grade mild steel, the unit's electroplated parts ensure resistance to corrosion, enhancing its durability in challenging conditions. Additionally, the E-stop features three M25 gland entries, providing flexible installation options while maintaining safety and compliance in critical settings.

PRODUCT CODE
BXES600



OUR PRODUCTS CARRY A 5 YEAR WARRANTY



SPECIFICATIONS

RATED VOLTAGE	600VAC/DC
DUTY CYCLE	Latching Pull to return Spring loaded
CURRENT CONSUMPTION	10A
CLASSIFICATION	Ex db Mb
CERTIFICATION	IECEx ICS 22.0021X MASC M/23-9007X IECEx ICS 22.0023U MASC M/23-9009U CML 24ATEX1191X CML 24ATEX1193U CML 24UKEX1198X CML 24UKEX1200U
GAS GROUPS	I
IGNITION GROUP	150°C
ZONE CLASS	1 & 2
IP RATING	IP54
WEIGHT	5kg
PACKING DIMENSIONS	230 x 160 x 230mm

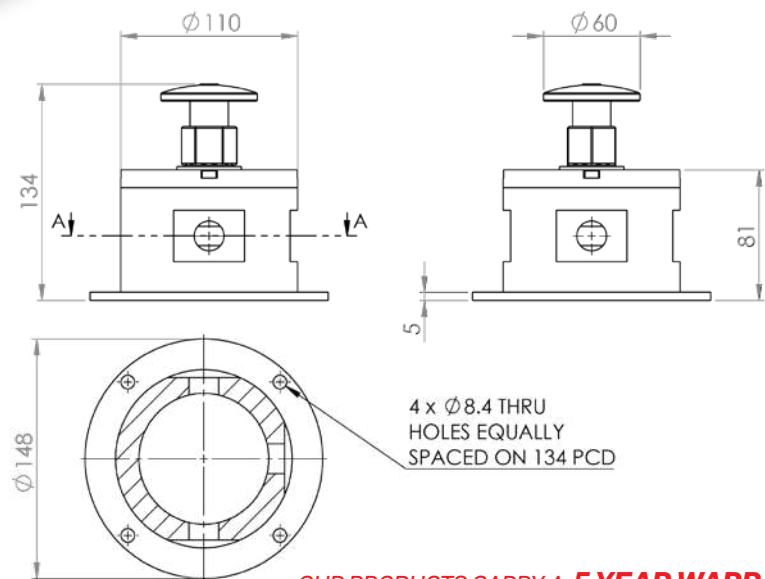
BANSHEE

Ex Door Switch S3



The Banshee Ex Door Switch S3 is a vital safety device designed for mining equipment like roof bolters and shuttle cars. Mounted inside the machine, it signals the operator when a door closes, confirming safe operation. With three M25 gland entries, it offers flexible installation while ensuring compliance with critical safety standards, making it ideal for demanding mining environments.

PRODUCT CODE
BXES601



OUR PRODUCTS CARRY A 5 YEAR WARRANTY



SPECIFICATIONS

RATED VOLTAGE	600VAC/DC
DUTY CYCLE	Non Latching Spring return
CURRENT CONSUMPTION	10A
CLASSIFICATION	Ex db Mb
CERTIFICATION	IECEx ICS 22.0021X MASC M/23-9007X IECEx ICS 22.0023U MASC M/23-9009U CML 24ATEX1191X CML 24ATEX1193U CML 24UKEX1198X CML 24UKEX1200U
GAS GROUPS	I
IGNITION GROUP	150°C
ZONE CLASS	1 & 2
IP RATING	IP54
WEIGHT	5kg
PACKING DIMENSIONS	230 x 160 x 230mm

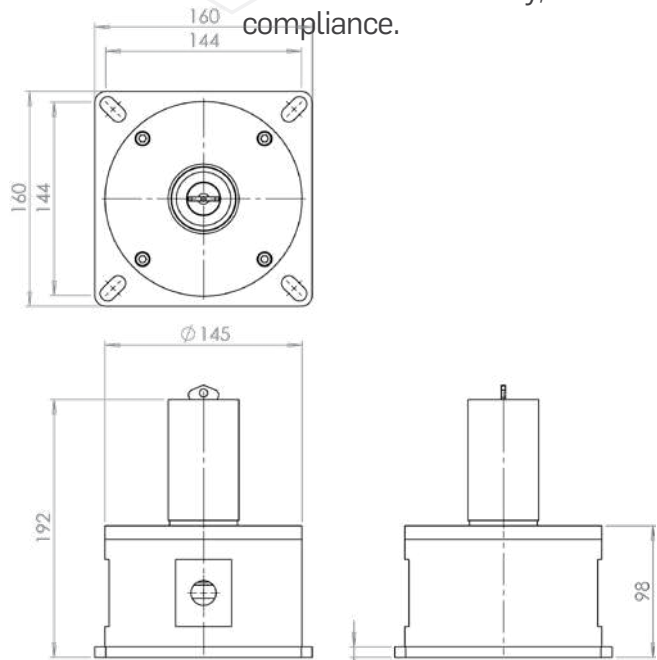
BANSHEE

Ex Key Switch S3



PRODUCT CODE

BXKS600 - Roof Bolter
BXKS601 - Shuttle Car
BXKS602 - Continuous Miner



OUR PRODUCTS CARRY A **5 YEAR WARRANTY**

SPECIFICATIONS

VOLTAGE	690VAC/DC
DUTY CYCLE	Continuous Rated
CURRENT CONSUMPTION	16A
CLASSIFICATION	Ex db I Mb
CERTIFICATION	IECEX ICS 22.0020X MASC M/23-9007X IECEX ICS 22.0023U MASC M/23-9009U CML24ATEX1190X CML 24ATEX1193U CML24UKEX1197X CML 24UKEX1200U
GAS GROUPS	I
IGNITION GROUP	150°C
ZONE CLASS	1 & 2
IP RATING	IP54
WEIGHT	10kg
PACKING DIMENSIONS	230x 160 x 230mm



BANSHEE

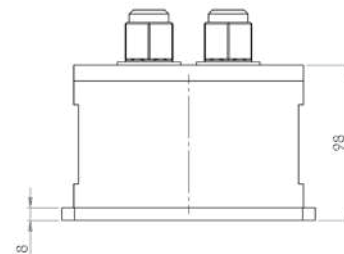
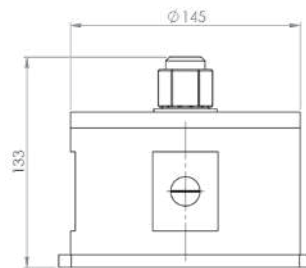
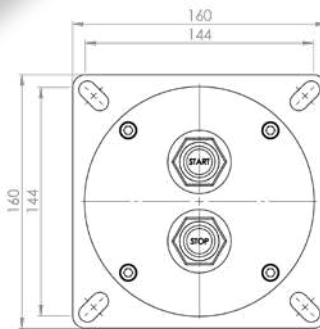
Ex Start/Stop Station S3



PRODUCT CODE
BXES800

BXES900

NOTE: THE EX START/STOP STATION
IS AVAILABLE ON REQUEST.



The Banshee Ex Start/Stop Station S3 serves as a crucial safety control mechanism for underground mining operations, allowing operators to instantaneously stop or start equipment operations. Constructed within a flameproof enclosure, the unit houses two operators: a stop button for immediate shutdowns and a start button for controlled equipment activation. Manufactured from high-grade mild steel, the unit's electroplated parts ensure resistance to corrosion, enhancing its durability in harsh environments. Additionally, the push button features one M20 gland entry and two M25 gland entries, providing flexible installation options while maintaining safety and compliance in critical settings.

OUR PRODUCTS CARRY A 5 YEAR WARRANTY

SPECIFICATIONS

RATED VOLTAGE	600VAC/DC
DUTY CYCLE	Spring return
CURRENT CONSUMPTION	10A
CLASSIFICATION	Ex db Mb
CERTIFICATION	IECEX ICS 22.0020X MASC M/23-9006X IECEX ICS 22.0023U MASC M/23-9009U CML 24ATEX1190X CML 24ATEX1193U CML24UKEX1197X CML 24UKEX1200U
GAS GROUPS	I
IGNITION GROUP	150°C
ZONE CLASS	1 & 2
IP RATING	IP54
WEIGHT	9.5kg
PACKING DIMENSIONS	230 x 160 x 230mm

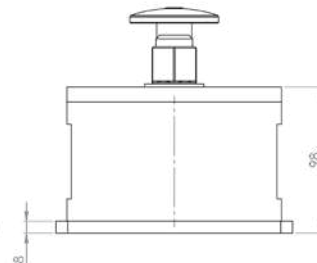
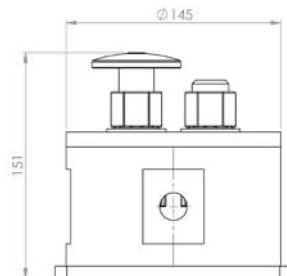
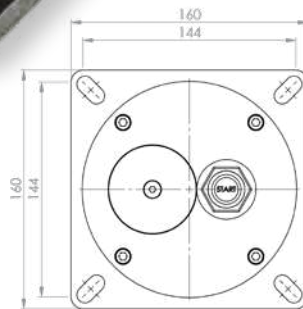


BANSHEE

Ex E-Stop/Start Station S3



PRODUCT CODE
BXES700



The Banshee Ex E-Stop/Start Station S3 serves as a vital safety control mechanism for underground mining operations, allowing operators to instantaneously stop or start equipment operations. Constructed within a flameproof enclosure, the unit houses two operators: an emergency stop (e-stop) button for immediate shutdowns during emergencies and a start button for controlled equipment activation. Manufactured from high-grade mild steel, the unit's electroplated parts ensure resistance to corrosion, enhancing its durability in harsh environments. Additionally, the push button features one M20 gland entry and two M25 gland entries, providing flexible installation options while maintaining safety and compliance in critical settings.

OUR PRODUCTS CARRY A 5 YEAR WARRANTY

SPECIFICATIONS

RATED VOLTAGE	600VAC/DC
DUTY CYCLE	Latching Pull to return Spring loaded
CURRENT CONSUMPTION	10A
CLASSIFICATION	Ex db Mb
CERTIFICATION	IECEx ICS 22.0020X MASC M/23-9006X IECEx ICS 22.0023U MASC M/23-9009U CML 24ATEX1190X CML 24ATEX1193U CML24UKEX1197X CML 24UKEX1200U
GAS GROUPS	I
IGNITION GROUP	150°C
ZONE CLASS	1 & 2
IP RATING	IP54
WEIGHT	9.5kg
PACKING DIMENSIONS	230 x 160 x 230mm



BANSHEE

Ex Local 2 Button Station S3



PRODUCT CODE
BXES701

The Banshee Ex Start/Stop Station S3 serves as a crucial safety control mechanism for underground mining operations, allowing operators to instantaneously stop or start equipment operations. Constructed within a flameproof enclosure, the unit houses two operators: a stop button for immediate shutdowns and a start button for controlled equipment activation. Manufactured from high-grade mild steel, the unit's electroplated parts ensure resistance to corrosion, enhancing its durability in harsh environments. Additionally, the push button features one M20 gland entry and two M25 gland entries, providing flexible installation options while maintaining safety and compliance in critical settings.



OUR PRODUCTS CARRY A 5 YEAR WARRANTY

SPECIFICATIONS

RATED VOLTAGE	600VAC/DC
DUTY CYCLE	Latching Pull to return Spring loaded
CURRENT CONSUMPTION	10A
CLASSIFICATION	Ex db Mb
CERTIFICATION	MASC M/23-9007X MASC M/23-9009U
GAS GROUPS	I
IGNITION GROUP	150°C
ZONE CLASS	1 & 2
IP RATING	IP54
WEIGHT	9.5kg
PACKING DIMENSIONS	230 x 160 x 230mm



PRODUCT CODE
BXES300



BANSHEE

Ex Local 3 Button Station S3

The Banshee Ex E-Stop/ Start/ Start Station(S3) serves as a vital safety control mechanism for underground mining operations, allowing operators to instantaneously stop or start equipment operations. Constructed within a flameproof enclosure, the unit houses three operators: an emergency stop(e-stop) button for immediate shutdowns during emergencies ,a start button for controlled equipment activation and a secondary start button for additional equipment activation. Manufactured from high-grade mild steel, the unit's electroplated parts ensure resistance to corrosion, enhancing its durability in harsh environments. Additionally, the push button features one M20 gland entry and two M25 gland entries, providing flexible installation options while maintaining safety and compliance in critical settings.



OUR PRODUCTS CARRY A 5 YEAR WARRANTY

SPECIFICATIONS

RATED VOLTAGE	600VAC/DC
DUTY CYCLE	Latching Pull to return Spring loaded
CURRENT CONSUMPTION	10A
CLASSIFICATION	Ex db I Mb
CERTIFICATION	MASC M/23-9006X MASC M/23-9009U
GAS GROUPS	I
IGNITION GROUP	150°C
ZONE CLASS	1 & 2
IP RATING	IP54
WEIGHT	9.5kg
PACKING DIMENSIONS	230 x 160 x 230mm



BANSHEE

Explosion Proof Products

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Fail-Safe
Performance in
**Hazardous
Environments**



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Fail-Safe
Performance in
**Hazardous
Environments**