Hazardous area

Safe area

Supply

SPECIFICATION

Power Supply

		24Vdc	115Vac	230Vac
Model		24Vdc	115Vac	230Vac
Voltage		20 to 28V dc	115V±10%	230V±10%
Current	sounder	250mA	110mA	56mA
	beacon	270mA	140mA	55mA

Output

Sounder	110dB(A) nominal ±3dB at 1m
	32 selectable sounds
	Three stage output
Beacon	5 joule Xenon at 1Hz
	Choice of six lens colours: amber, blue, clear, green, red, yellow

Certification
Europe ATEX

Code	Group II Category 2G
	Ex d IIB T4 Tamb -50 to +70˚C
or	Group II Category 2D
	Ex tD A21 IP6X T100 Tamb +55˚C
	Ex tD A21 IP6X T115 Tamb +70˚C
Certificate no.	KEMA 01ATEX2223X

Dust option
See How to
Order

Location		
Gas		Zone 1 or 2
Dust		Zone 21 or 22
End of line monitoring		A resistor or diode may be fitted inside the enclosure monitoring or line continuity. The resistor must have a minimum value of 3,300W and a minimum power rating of 0.5W, or a minimum value of 500W and a minimum power rating of 2W. (24V model only)

International IECEx

Code	Ex d IIB T4 Ta -50ºC to +70˚C
or	Ex tD A21 IP6X T100 Ta +55˚C
	Ex tD A21 IP6X T115 Ta +70˚C
Certificate no.	ECEx KEM 10.0025X

Dust option
See How to
Order

Environmental

Operating temp.	-50 to +70˚C See certificate for details
Storage temp.	-50 to +70˚C
Enclosure	IP67
EMC	In accordance with EU Directive 2004/108/EC

Mechanical

Enclosure material	
Body	Marine grade LM6 aluminium, phosphated & powder coated finish providing good resistance to high humidity and salt spray.
Horn	
Gas cert.	High impact UL94, V0 & 5VA FR ABS
Dust cert.	Anti-static, high impact ABS
Lens	Glass
Lens guard & fittings.	Stainless steel
Terminals	Screw clamp for 0.5 – 4mm² cables
Cable entry	Two M20, one fitted with stopping plug
Weight	5kg

Accessories

Pipe mounting kit	BA393 stainless steel heavy duty using 'V' bolt for 40 - 80mm outside diameter vertical or horizontal pipe.
Tag plate	Etched stainless steel plate fitted to beacon 'U' bracket.

HOW TO ORDER

Please specify

Cert. & Model No.	
Gas cert.	BExCS110-05D
Gas & dust cert.	BExDCS110-05D
Voltage	24V dc; 115V ac or 230V ac
Lens colour	Red; amber; yellow; green; blue or clear
Accessories	
Tag plate	Legend required
Pipe mounting kit	BA393

DIMENSIONS

368

BExCS110-05D

Combined sounder and flashing beacon

Flameproof for use in gas & dust hazardous areas

◆ **Flameproof**
  ATEX gas
  or ATEX gas & dust
  Both versions have
  IECEx certification

◆ **High output sounder 110dB(A) typical 5 joule Beacon**

◆ **IP67 protection**

◆ **32 different sounds**

◆ **Second & third stage sounds**

The BExCS110-05D is a flameproof combined sounder and flashing beacon for use in hazardous areas. Separate terminals for the sounder and beacon enable each to be controlled individually and a wide selection of lens colours plus 32 different sound outputs result in a versatile device which will satisfy most applicational requirements.

Three different sounds may be remotely selected so that one combined sounder and beacon can indicate three different alarm conditions. When maximum loudness is not required, the level may be reduced by an internal volume control.

The beacon produces a regular bright flash once every second and will attract attention in most lighting conditions.

BEKA associates

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