HUBBELL ELECTRICAL PRODUCTS
A Division of HUBBELL INCORPORATED (Delaware)
3940 Martin Luther King Drive
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INSTALLATION, OPERATION & MAINTENANCE DATA SHEET

FOR USE IN CLASS I, GROUPS B,C,D, CLASS II, GRPS E,F,G; CLASS III, HAZARDOUS (CLASSIFIED) LOCATIONS

Flame Arrestors For use in Explosive Atmospheres

KB1FA25, KB1FAM16: IECEx: Ex d IIB+H2 Gb IP66 **ATEX: Ex IIGD Ex d IIB+H2 Gb Ex tb IIIC IP66**

KBM20FA25, KBM20FAM16: IECEx: Ex d IIB+H2 Gb IP65 **ATEX: Ex IIGD Ex d IIB+H2 Gb Ex tb IIIC IP65**

SPECIAL CONDITIONS FOR SAFE USE

Do not use this product in explosive atmospheres containing acetylene gas.

For use in enclosures with maximum internal volume of **9,764** cubic in; (**160,000** cubic cm)

Application: For use in Hazardous Locations where gas analyzers and electro/pneumatic/hydraulic equipments are installed within an explosion proof enclosure. The flame arrestors provide through-the-wall connections for NPT and Metric style threads.

Preparation for Installation:
1.) For thru-wall connection of **1/2-14 NPT**, gauge the opening from flush to 2 turn pass the notch.
1.) For thru-wall connection of **M20x1.5 6g**, gauge the opening with GO and NO-GO gauges for proper fit.

Caution: Before installing, make sure you are compliant with area classifications, failure to do so may result in bodily injury, death and property damage. Do not attempt installation until you are familiar with the following procedures. All installation must comply with the applicable Electrical Code.
Make sure that the circuit is De-energized before starting installation or maintenance.
Verify that the installation is grounded. Failure to ground will create electrical shock hazards, which can cause serious injury and or death.
Important: Please read these instructions carefully before installing or maintaining this equipment. Good electrical practices should be followed at all times and this data should be used as a guide only.

Operating Temperature:
KB1/KBM20 series operating temperature: (-50° to +60°C).

Thread designation for Connections

Series	Thru-wall connection	Tube connection
KB1FA25	1/2-14 NPT	1/4-18 NPT
KB1FAM16	1/2-14 NPT	M16x1.5 6g
KBM20FA25	M20x1.5 6g	1/4-18 NPT
KBM20FAM16	M20x1.5 6g	M16x1.5 6g

Material Suffix:
Aluminium: (blank)
Stainless 303: SS
Stainless 316: SS6
Ni plated Brass: BS

Pressure Drop and Flow Rate Chart

Primary Pressure	Secondary Pressure	SCFH
5 psi	3 psi	60
10 psi	7 psi	80
15 psi	11 psi	95
25 psi	19 psi	110
50 psi	40 psi	160
75 psi	62 psi	192

Installation and Maintenance:

Before installing, apply lubricant (such as Killark's LUBG-6 thread lubricant) to the threads. Install fitting in the proper threaded opening and wrench tighten.

DO NOT use wrench or socket on the end hex-nut for removal; use the mid section hex-body.

If the pressure drop or flow rate is not reasonably within the above data, the flame arrestor element within the unit has been partially clogged with fluid contaminant. To function properly the flame arrestor must be replaced.

P/N KIL00921368 FORM NO. K1368 R7/17 ECO-8-037-17

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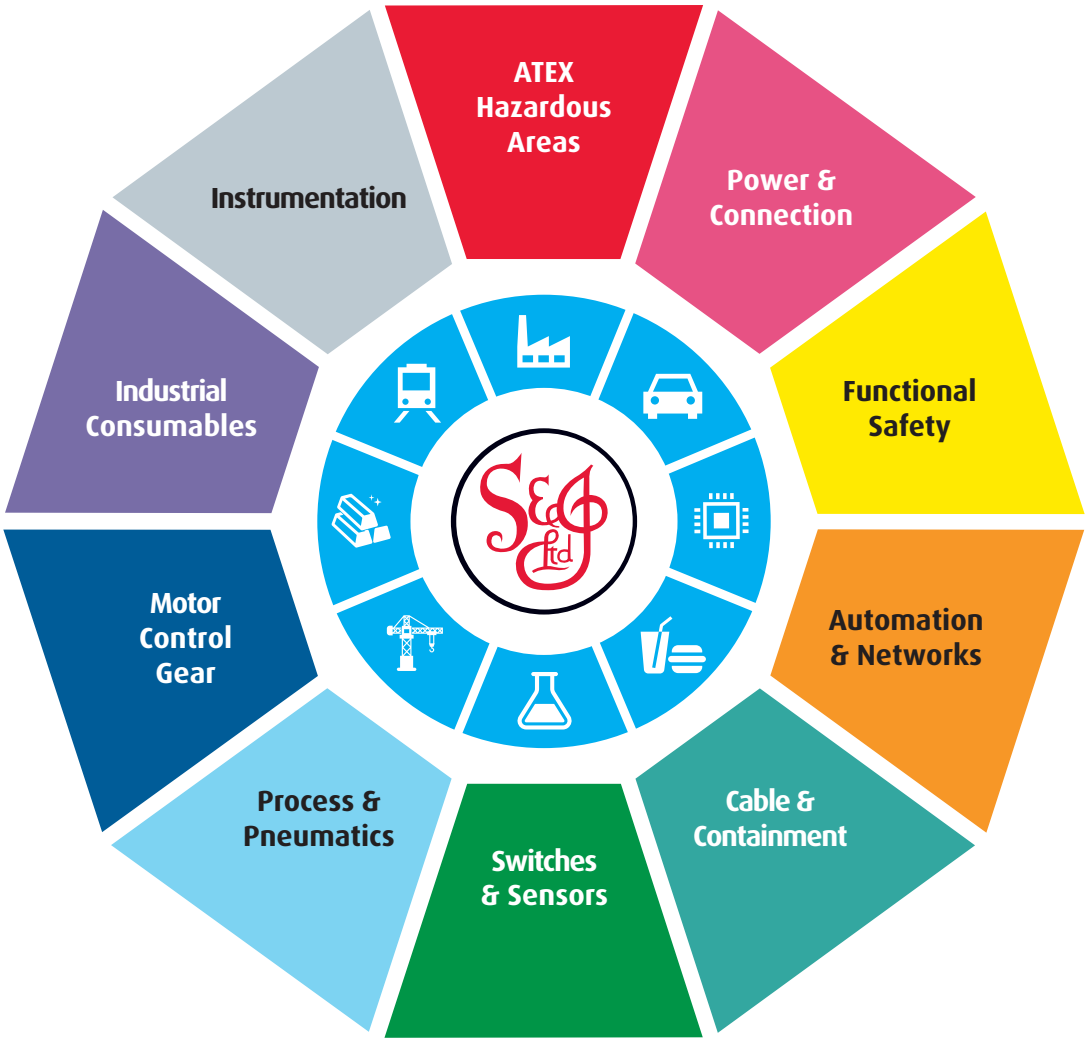

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