

1 **UK-TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres**
UKSI 2016:1107 (as amended by UKSI 2019:696) – Schedule 3A, Part 1

3 UK-Type Examination Certificate Number: **BAS21UKEX0626X – Issue 1**

4 Product: **Euroswitch**

5 Manufacturer: **Longvale Limited**

6 Address: **Lancaster Park, Needwood, Burton-upon-Trent, Staffordshire, DE13 9PD**
United Kingdom

7 This re-issued certificate extends UK-Type Examination Certificate No. **BAS21UKEX0626X** to apply to product designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

8 SGS Baseefa, Approved Body number 1180, in accordance with Regulation 43 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended by UKSI 2019:696), certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.

The examination and test results are recorded in confidential Report No. **See Certificate History**

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0: 2018 EN 60079-11: 2012

except in respect of those requirements listed at item 18 of the Schedule.

10 If the sign “X” is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

11 This UK-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12 The marking of the product shall include the following :

 **See Schedule**

SGS Baseefa Customer Reference No. **5323**

Project File No. **23/0119**

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0191



R S SINCLAIR
TECHNICAL MANAGER

On behalf of SGS Baseefa Limited

13

Schedule

14

Certificate Number **BAS21UKEX0626X** – Issue 1

15 Description of Product

The Euroswitch range of proximity sensors consist of up to two sets of volt-free switch contacts, either normally-open, normally-closed or change-over, which are actuated by either an external or integral magnet.

The proximity sensors come in various shapes, sizes and external materials of construction (stainless steel, brass, plastic). In all cases the switch contacts are encapsulated into the outer enclosure.

Electrical connections are made to the Gas and Dust certified proximity sensors via an integral cable, separately certified Ex e terminals in a terminal chamber or via a plug and socket connector.

Marking for the **METALLIC Group IIC & IIIC** versions (excluding LFM and connector versions) as detailed on drawing **ENG002**:

	U _i = 30V
	I _i = 250 mA
	P _i = 1.3 W
	C _i = 0 or 120 pF/m of cable for non-wireable types
	L _i = 0 or 0.7 µH/m of cable for non-wireable types
The Wireable types shall be marked (metallic IP66/67/68 enclosures only)	
⊕ II 1G	⊕ II 1D
Ex ia IIC T4 Ga (-60°C ≤ Ta ≤ +125°C)	Ex ia IIIC T135°C IP66/67/68 Da (-60°C ≤ Ta ≤ +125°C)
Ex ia IIC T6 Ga (-60°C ≤ Ta ≤ +80°C)	Ex ia IIIC T85°C IP66/67/68 Da (-60°C ≤ Ta ≤ +80°C)
The Non-Wireable types with PVC integral cable types shall be marked	
⊕ II 1G	⊕ II 1D
Ex ia IIC T6 Ga (-20°C ≤ Ta ≤ +80°C)	Ex ia IIIC T85°C IP66/67/68 Da (-20°C ≤ Ta ≤ +80°C)
The Non-Wireable types with Polyolefin integral cable types shall be marked	
⊕ II 1G	⊕ II 1D
Ex ia IIC T4 Ga (-60°C ≤ Ta ≤ +125°C)	Ex ia IIIC T135°C IP66/67/68 Da (-60°C ≤ Ta ≤ +125°C)
Ex ia IIC T6 Ga (-60°C ≤ Ta ≤ +80°C)	Ex ia IIIC T85°C IP66/67/68 Da (-60°C ≤ Ta ≤ +80°C)
The Non-Wireable types with Teflon integral wiring shall be marked	
⊕ II 1G	⊕ II 1D
Ex ia IIC T3 Ga (-40°C ≤ Ta ≤ +175°C)	Ex ia IIIC T200°C IP66/67/68 Da (-40°C ≤ Ta ≤ +175°C)
Ex ia IIC T4 Ga (-40°C ≤ Ta ≤ +125°C)	Ex ia IIIC T135°C IP66/67/68 Da (-40°C ≤ Ta ≤ +125°C)
Ex ia IIC T6 Ga (-40°C ≤ Ta ≤ +80°C)	Ex ia IIIC T85°C IP66/67/68 Da (-40°C ≤ Ta ≤ +80°C)
The Non-Wireable types with Silicone integral wiring shall be marked	
⊕ II 1G	⊕ II 1D
Ex ia IIC T3 Ga (-55°C ≤ Ta ≤ +175°C)	Ex ia IIIC T200°C IP66/67/68 Da (-55°C ≤ Ta ≤ +175°C)
Ex ia IIC T4 Ga (-55°C ≤ Ta ≤ +125°C)	Ex ia IIIC T135°C IP66/67/68 Da (-55°C ≤ Ta ≤ +125°C)
Ex ia IIC T6 Ga (-55°C ≤ Ta ≤ +80°C)	Ex ia IIIC T85°C IP66/67/68 Da (-55°C ≤ Ta ≤ +80°C)
The Non-Wireable types with Polyurethane (PUR) integral cable types shall be marked	
⊕ II 1G	⊕ II 1D
Ex ia IIC T4 Ga (-40°C ≤ Ta ≤ +90°C)	Ex ia IIIC T135°C IP66/67/68 Da (-40°C ≤ Ta ≤ +90°C)
Ex ia IIC T6 Ga (-40°C ≤ Ta ≤ +80°C)	Ex ia IIIC T85°C IP66/67/68 Da (-40°C ≤ Ta ≤ +80°C)

The Non-Wireable types with PEEK integral wiring shall be marked	
⊕ II 1G	⊕ II 1D
Ex ia IIC T3 Ga (-60°C ≤ Ta ≤ +175°C)	Ex ia IIIC T200°C IP66/67/68 Da (-60°C ≤ Ta ≤ +175°C)
Ex ia IIC T4 Ga (-60°C ≤ Ta ≤ +125°C)	Ex ia IIIC T135°C IP66/67/68 Da (-60°C ≤ Ta ≤ +125°C)
Ex ia IIC T6 Ga (-60°C ≤ Ta ≤ +80°C)	Ex ia IIIC T85°C IP66/67/68 Da (-60°C ≤ Ta ≤ +80°C)

Marking for the **METALLIC Group IIC & IIIC** versions (ES Series LFM versions only. Excluding connector versions), as detailed on drawing **ENG002**:

Ui	= 30V
Ii	= 250 mA
Pi	= 1.3W
Ci	= 0 or 120 pF/m of cable for non-wireable types
Li	= 0 or 0.7 μH/m of cable for non-wireable types
The Wireable types shall be marked (metallic IP66/67 enclosures only)	
⊕ II 1G	⊕ II 1D
Ex ia IIC T4 Ga (-60°C ≤ Ta ≤ +105°C)	Ex ia IIIC T185°C IP66/67/68 Da (-60°C ≤ Ta ≤ +125°C)
Ex ia IIC T6 Ga (-60°C ≤ Ta ≤ +55°C)	Ex ia IIIC T140°C IP66/67/68 Da (-60°C ≤ Ta ≤ +80°C)
The Non-Wireable types with PVC integral cable types shall be marked	
⊕ II 1G	⊕ II 1D
Ex ia IIC T6 Ga (-20°C ≤ Ta ≤ +55°C)	Ex ia IIIC T140°C IP66/67/68 Da (-20°C ≤ Ta ≤ +80°C)
The Non-Wireable types with Polyolefin integral cable types shall be marked	
⊕ II 1G	⊕ II 1D
Ex ia IIC T4 Ga (-60°C ≤ Ta ≤ +105°C)	Ex ia IIIC T185°C IP66/67/68 Da (-60°C ≤ Ta ≤ +125°C)
Ex ia IIC T6 Ga (-60°C ≤ Ta ≤ +55°C)	Ex ia IIIC T140°C IP66/67/68 Da (-60°C ≤ Ta ≤ +80°C)
The Non-Wireable types with Silicone integral cable types shall be marked	
⊕ II 1G	⊕ II 1D
Ex ia IIC T4 Ga (-55°C ≤ Ta ≤ +105°C)	Ex ia IIIC T185°C IP66/67/68 Da (-55°C ≤ Ta ≤ +125°C)
Ex ia IIC T6 Ga (-55°C ≤ Ta ≤ +55°C)	Ex ia IIIC T140°C IP66/67/68 Da (-55°C ≤ Ta ≤ +80°C)
The Non-Wireable types with Polyurethane (PUR) integral cable types shall be marked	
⊕ II 1G	⊕ II 1D
Ex ia IIC T4 Ga (-40°C ≤ Ta ≤ +90°C)	Ex ia IIIC T150°C IP66/67/68 Da (-40°C ≤ Ta ≤ +90°C)
Ex ia IIC T6 Ga (-40°C ≤ Ta ≤ +55°C)	Ex ia IIIC T140°C IP66/67/68 Da (-40°C ≤ Ta ≤ +80°C)
The Non-Wireable types with PEEK integral cable types shall be marked	
⊕ II 1G	⊕ II 1D
Ex ia IIC T4 Ga (-60°C ≤ Ta ≤ +105°C)	Ex ia IIIC T185°C IP66/67/68 Da (-60°C ≤ Ta ≤ +125°C)
Ex ia IIC T6 Ga (-60°C ≤ Ta ≤ +55°C)	Ex ia IIIC T140°C IP66/67/68 Da (-60°C ≤ Ta ≤ +80°C)
The Non-Wireable types with Teflon integral wiring shall be marked	
⊕ II 1G	⊕ II 1D
Ex ia IIC T4 Ga (-40°C ≤ Ta ≤ +105°C)	Ex ia IIIC T185°C IP66/67/68 Da (-40°C ≤ Ta ≤ +125°C)
Ex ia IIC T6 Ga (-40°C ≤ Ta ≤ +55°C)	Ex ia IIIC T40°C IP66/67/68 Da (-40°C ≤ Ta ≤ +80°C)

Marking for the **METALLIC Group IIC & IIIC** versions (FS series LFM versions only. Excluding connector versions), as detailed on drawing **ENG002**:

U _i	= 30V
I _i	= 250 mA
P _i	= 650mW
C _i	= 0 or 120 pF/m of cable for non-wireable types
L _i	= 0 or 0.7 μH/m of cable for non-wireable types
The Wireable types shall be marked (metallic IP66/67/68 enclosures only)	
⊕ II 1G	⊕ II 1D
Ex ia IIC T4 Ga (-60°C ≤ Ta ≤ +105°C)	Ex ia IIIC T185°C IP66/67/68 Da (-60°C ≤ Ta ≤ +125°C)
Ex ia IIC T6 Ga (-60°C ≤ Ta ≤ +55°C)	Ex ia IIIC T140°C IP66/67/68 Da (-60°C ≤ Ta ≤ +80°C)
The Non-Wireable types with PVC integral cable types shall be marked	
⊕ II 1G	⊕ II 1D
Ex ia IIC T6 Ga (-20°C ≤ Ta ≤ +55°C)	Ex ia IIIC T140°C IP66/67/68 Da (-20°C ≤ Ta ≤ +80°C)
The Non-Wireable types with Polyolefin integral cable types shall be marked	
⊕ II 1G	⊕ II 1D
Ex ia IIC T4 Ga (-60°C ≤ Ta ≤ +105°C)	Ex ia IIIC T185°C IP66/67/68 Da (-60°C ≤ Ta ≤ +125°C)
Ex ia IIC T6 Ga (-60°C ≤ Ta ≤ +55°C)	Ex ia IIIC T140°C IP66/67/68 Da (-60°C ≤ Ta ≤ +80°C)
The Non-Wireable types with Silicone integral cable types shall be marked	
⊕ II 1G	⊕ II 1D
Ex ia IIC T4 Ga (-55°C ≤ Ta ≤ +105°C)	Ex ia IIIC T185°C IP66/67/68 Da (-55°C ≤ Ta ≤ +125°C)
Ex ia IIC T6 Ga (-55°C ≤ Ta ≤ +55°C)	Ex ia IIIC T140°C IP66/67/68 Da (-55°C ≤ Ta ≤ +80°C)
The Non-Wireable types with Polyurethane (PUR) integral cable types shall be marked	
⊕ II 1G	⊕ II 1D
Ex ia IIC T4 Ga (-40°C ≤ Ta ≤ +90°C)	Ex ia IIIC T150°C IP66/67/68 Da (-40°C ≤ Ta ≤ +90°C)
Ex ia IIC T6 Ga (-40°C ≤ Ta ≤ +55°C)	Ex ia IIIC T140°C IP66/67/68 Da (-40°C ≤ Ta ≤ +80°C)
The Non-Wireable types with PEEK integral cable types shall be marked	
⊕ II 1G	⊕ II 1D
Ex ia IIC T4 Ga (-60°C ≤ Ta ≤ +105°C)	Ex ia IIIC T185°C IP66/67/68 Da (-60°C ≤ Ta ≤ +125°C)
Ex ia IIC T6 Ga (-60°C ≤ Ta ≤ +55°C)	Ex ia IIIC T140°C IP66/67/68 Da (-60°C ≤ Ta ≤ +80°C)
The Non-Wireable types with Teflon integral wiring shall be marked	
⊕ II 1G	⊕ II 1D
Ex ia IIC T4 Ga (-40°C ≤ Ta ≤ +105°C)	Ex ia IIIC T185°C IP66/67/68 Da (-40°C ≤ Ta ≤ +125°C)
Ex ia IIC T6 Ga (-40°C ≤ Ta ≤ +55°C)	Ex ia IIIC T40°C IP66/67/68 Da (-40°C ≤ Ta ≤ +80°C)

Marking for the **Connector type** versions as detailed on drawing ENG002

Ui	= 30V
Ii	= 250 mA
Pi	= 550mW
Ci	= 0
Li	= 0
The Connector types shall be marked	
⊕ II 1G	⊕ II 1D
Ex ia IIC T6 Ga (-20°C ≤ Ta ≤ +80°C)	Ex ia IIIC T135°C IP66/67/68 Da (-20°C ≤ Ta ≤ +80°C)
The Connector type LFM versions shall be marked:	
⊕ II 1G	⊕ II 1D
Ex ia IIC T6 Ga (-20°C ≤ Ta ≤ +55°C)	Ex ia IIIC T135°C IP66/67/68 Da (-20°C ≤ Ta ≤ +80°C)

Marking for the **NON-METALLIC Group IIC & IIIC** versions as detailed on drawing ENG005:

Ui	= 30V
Ii	= 250 mA
Pi	= 650 mW
Ci	= 0 or 120 pF/m of cable for non-wireable types
Li	= 0 or 0.7 μH/m of cable for non-wireable types
The Non-Wireable types with PVC integral cable types shall be marked	
⊕ II 1G	⊕ II 1D
Ex ia IIC T6 Ga (-20°C ≤ Ta ≤ +80°C)	Ex ia IIIC T75°C IP54 Da (-20°C ≤ Ta ≤ +70°C)
The Non-Wireable types with Polyolefin integral cable types shall be marked	
⊕ II 1G	⊕ II 1D
Ex ia IIC T4 Ga (-60°C ≤ Ta ≤ +125°C)	Ex ia IIIC T75°C IP54 Da (-20°C ≤ Ta ≤ +70°C)
Ex ia IIC T6 Ga (-60°C ≤ Ta ≤ +80°C)	
The Non-Wireable types with Silicone integral cable types shall be marked	
⊕ II 1G	⊕ II 1D
Ex ia IIC T4 Ga (-55°C ≤ Ta ≤ +125°C)	Ex ia IIIC T75°C IP54 Da (-20°C ≤ Ta ≤ +70°C)
Ex ia IIC T6 Ga (-55°C ≤ Ta ≤ +80°C)	
The Non-Wireable types with Polyurethane (PUR) integral cable types shall be marked	
⊕ II 1G	⊕ II 1D
Ex ia IIC T4 Ga (-40°C ≤ Ta ≤ +90°C)	Ex ia IIIC T75°C IP54 Da (-20°C ≤ Ta ≤ +70°C)
Ex ia IIC T6 Ga (-40°C ≤ Ta ≤ +80°C)	
The Non-Wireable types with PEEK integral cable types shall be marked	
⊕ II 1G	⊕ II 1D
Ex ia IIC T4 Ga (-60°C ≤ Ta ≤ +125°C)	Ex ia IIIC T75°C IP54 Da (-20°C ≤ Ta ≤ +70°C)
Ex ia IIC T6 Ga (-60°C ≤ Ta ≤ +80°C)	
The Non-Wireable types with Teflon integral wiring shall be marked	
⊕ II 1G	⊕ II 1D
Ex ia IIC T3 Ga (-40°C ≤ Ta ≤ +175°C)	Ex ia IIIC T200°C IP54 Da (-40°C ≤ Ta ≤ +175°C)
Ex ia IIC T4 Ga (-40°C ≤ Ta ≤ +125°C)	Ex ia IIIC T135°C IP54 Da (-40°C ≤ Ta ≤ +125°C)
Ex ia IIC T6 Ga (-40°C ≤ Ta ≤ +80°C)	Ex ia IIIC T85°C IP54 Da (-40°C ≤ Ta ≤ +80°C)

Part number matrix Metallic switches (Drawing SWM5)

Switch Type/Description	XX	-	X	X	X	X	-	X
Euroswitch	ES	-					-	
Ferro switch	FS	-					-	
Safety switch	ES	-					-	
90 x 20 x 23 rectangular switch	ES only	-	0				-	
80 x 20 x 25 rectangular switch	ES only	-	1				-	
55 x 20 x 25 rectangular switch	ES only	-	2				-	
M18 x 1 cylindrical switch	ES only	-	3				-	
M18 x 1 cylindrical switch	ES only	-	4				-	
5/8" UNF cylindrical switch	ES only	-	5				-	
M18 x 1 cylindrical switch	ES only	-	6				-	
5/8" UNF cylindrical switch	ES only	-	7				-	
M18 x 1 cylindrical switch	ES only	-	8				-	
5/8" UNF cylindrical switch	ES only	-	9				-	
M18 x 1 cylindrical switch	ES only	-	10				-	
5/8" UNF cylindrical switch	ES only	-	11				-	
M18 x 1 cylindrical switch	ES only	-	12				-	
3/8" UNF cylindrical switch	ES only	-	13				-	
M12 x 1 cylindrical switch	ES only	-	14				-	
3/8" UNF cylindrical switch	ES only	-	15				-	
M12 x 1 cylindrical switch	ES only	-	16				-	
87 x 15 x 22 rectangular switch	ES only	-	44				-	
67 x 19 x 13 rectangular switch	ES only	-	45				-	
35 x 13 x 16 rectangular switch	ES only	-	46				-	
80 x 16 x 21 rectangular switch	ES only	-	BZ18				-	
91 x 22 x 36 rectangular safety switch	ES only	-	SS				-	
M18 x 1 cylindrical switch	FS only	-	A				-	
5/8" UNF cylindrical switch	FS only	-	B				-	
M18 x 1 cylindrical switch	FS only	-	C				-	
5/8" UNF cylindrical switch	FS only	-	D				-	
M18 x 1 cylindrical switch	FS only	-	E				-	
3/4"-16 UNF cylindrical switch	FS only	-	F				-	
5/8" UNF cylindrical switch	FS only	-	H				-	
M18 x 1 cylindrical switch	FS only	-	I				-	
5/8" UNF cylindrical switch	FS only	-	J				-	
M18 x 1 cylindrical switch	FS only	-	K				-	
5/8" UNF cylindrical switch	FS only	-	L				-	
M18 x 1 cylindrical switch	FS only	-	M				-	
3/8" UNF cylindrical switch	FS only	-	N				-	
M12 x 1 cylindrical switch	FS only	-	O				-	
3/8" UNF cylindrical switch	FS only	-	P				-	
M12 x 1 cylindrical switch	FS only	-	Q				-	
1" -14 UNF cylindrical switch	FS only	-	R				-	
Flange mount s/w	FS only	-	CYL				-	
90 x 20 x 23 rectangular switch	FS only	-	Z				-	
ATEX/IECEX Markings		-		2			-	
Multiple Certification Markings (Exia only)		-		E			-	
Other regional Exia certification		-		F - Z			-	
Brass housing		-			1		-	
Stainless steel housing		-			2		-	

PVC cable		-				1	-	
PVC Leads		-				1L	-	
Polyolefin cable		-				2	-	
Polyurethane (PUR) Cable		-				3	-	
Teflon Leads		-				4L	-	
PEEK Leads		-				5L		
Silicon Cable		-				6		
Options (may be combined eg -LE)								
1A Switching	ES only	-					-	A
20W Reed	ES only	-					-	B
3A switching N/O	ES only	-					-	C
DPDT		-					-	D
Earth wire		-					-	E
Latching/bi-stable	ES only	-					-	F
Fully Potted		-					-	FP
Line Fault Monitoring (Normally open)		-					-	LFM/LFO
Line Fault Monitoring (Normally closed)		-					-	LFC
Normally Open Form A (2-wire)		-					-	NO
Normally Closed Form B (2-wire)		-					-	NC
5000 psi pressure resistant end cap		-					-	5K
10000 psi pressure resistant end cap		-					-	10K
Side entry teflon leads		-					-	SE
Back wireable (cylindrical only)		-					-	W
Side wireable (cylindrical only)		-					-	WL
Rotatable side wireable (cylindrical only)		-					-	WLR
Twin entry rotatable side wireable (cylindrical only)		-					-	WLRT
Customer requests not affecting certification		-					-	(X...)
Male adaptor thread M20, ½"NPT or ¾"NPT		-					-	(M), (N) or (3N)
Metric micro change connector (* denotes no. of pins)		-					-	V2-*
Imperial micro change connector (* denotes no. of pins)		-					-	V5-*
Mini change connector (* denotes no. of pins)		-					-	V3-*

Part number matrix Non-Metallic switches (Drawing SWM8)

Switch Type/Description	XX	-	X	X	X	X	-	X
Euroswitch - Resin Series	RS	-					-	
65 x 15 x 25 rectangular switch		-	V1				-	
ATEX/IECEX Markings		-		2			-	
Multiple Certification Markings (Exia only)		-		E			-	
Other regional Exia certification		-		F - Z			-	
Plastic housing		-			0			
PVC cable		-				1	-	
PVC Leads		-				1L	-	
Polyolefin cable		-				2	-	
Options (may be combined eg -DF)								
Double pole changeover		-					-	D
Latching/bi-stable		-					-	F

Metric micro change connector (* denotes no. of pins)		-					-	V2-*
Imperial micro change connector (* denotes no. of pins)		-					-	V5-*
Single pole normally open		-					-	NO
Customer requests not affecting certification		-					-	(X...)

Euroswitch - Resin Series	RS	-					-	
28 x 9 x 16 rectangular switch		-	V3				-	
ATEX/IECEX Markings		-		2			-	
Multiple Certification Markings (Exia only)		-		E			-	
Other regional Exia certification		-		F - Z			-	
Plastic housing		-			0		-	
PVC cable		-				1	-	
PVC Leads		-				1L	-	
Options								
Single pole normally open		-					-	NO
Customer requests not affecting certification		-					-	(X...)

Euroswitch - Resin Series	RS	-					-	
M12 x 1 x 60mm cylindrical switch			M12					
M18 x 1 x 60 cylindrical switch		-	M18				-	
ATEX/IECEX Markings		-		2			-	
Multiple Certification Markings (Exia only)		-		E			-	
Other regional Exia certification		-		F - Z			-	
Plastic housing					0		-	
PVC cable		-				1	-	
PVC Leads		-				1L	-	
Polyolefin cable		-				2	-	
Options								
Single pole normally open		-					-	NO
Short housing		-					-	K40
Double pole changeover		-					-	D
Metric micro change connector (* denotes no. of pins)		-					-	V2-*
Imperial micro change connector (* denotes no. of pins)		-					-	V5-*
Customer requests not affecting certification		-					-	(X...)

The Part Number format for other switches can be summarised as follows:

Valve Position Switch (4-wire)	X	-	VIP	-	X	
Plastic housing	MI	-	VIP	-	4	
Stainless Steel housing	MS	-	VIP	-	I	

The customer special switch types can be summarised as follows:

DIFFERENTIAL PRESSURE SWITCH	ESI	-	VDHA	-	XXXX	
Single Pole Changeover – Titanium	ESI	-	VDHA	-	1035	
Single Pole Changeover – Stainless Steel	ESI	-	VDHA	-	700	
Single Pole Changeover – Stainless Steel	ESI	-	VDHA	-	450	

80 x 20 x 25 rectangular switch – 5m of pvc cable	ES only	-	HLS-25i
80 x 20 x 25 rectangular switch – 10m of pvc cable	ES only	-	HLS-210i

16 Report Number

See Certificate History

17 Specific Conditions of Use

1. Non-metallic proximity sensors may pose an electrostatic risk. This should be taken into account during installation.
2. Metallic proximity sensors or metallic parts of non-metallic proximity sensors may pose an electrostatic risk if not earthed. This should be taken into account during installation.
3. Integral cables shall be fixed and effectively protected against damage as required of a Type B cable as defined in clause 9.5.3 of IEC 60079-25: 2010.
4. External cabling to the proximity sensors shall use either type A or type B cable as defined in clause 9.5.2 & 9.5.3 of IEC 60079-25: 2010.
5. Junction boxes used to extend the sensor cabling, that are located in a dust hazardous area must be separately certified and appropriate for use in that hazardous area.
6. Where a sensor has two sets of switching contacts, both sets of switching contacts are considered to be part of the same single intrinsically safe circuit, not separate intrinsically safe circuits.
7. The VDHA type Euroswitch bodies may be manufactured from Titanium and so must be mounted in such a way as to avoid impact or friction.

18 Essential Health and Safety Requirements

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

Clause	Subject
13	LVD type requirements
14	Overloading of equipment (protection relays, etc.)
21 (1)	External effects
21 (2)	Aggressive substances, etc.

19 Drawings and Documents

No new drawings submitted for this issue of certificate:

Current drawings which remain unaffected by this issue:

Number	Sheet	Issue	Date	Description
ENG002	1 of 1	14	14.09.21	Marking Detail for Metal Exia Euroswitch
ENG005	1 of 1	2	01.11.21	Marking Details for Non Metallic Exia Euroswitches

Number	Sheet	Issue	Date	Description
SWM5	1 of 1	D	11/11/21	Baseefa14ATEX0013X Part Number Matrix Metallic Switches

For all other drawings refer to Baseefa14ATEX0013X latest issue

20 Certificate History

Certificate No.	Date	Comments
BAS21UKEX0626X	29 November 2021	The release of the prime certificate. The associated test and assessment against the requirements of EN IEC 60079-0: 2018 and EN 60079-11: 2012 is documented in IECEx ExTR GB/BAS/ExTR21.0204/00 and held with Project No. 21/0381.
BAS21UKEX0626X Issue 1	21 July 2023	To permit an alternative housing construction and an alternative connector assembly for the equipment. The associated test and assessment is documented in GB/SGS/ExTR23.0015/00 and held with Project No. 23/0119.

For drawings applicable to each issue, see original of that issue.