



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX BAS 14.0003X**

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Certificate history:

Status: **Current**

Issue No: 14

Issue 13 (2025-10-17)

Issue 12 (2023-08-01)

Issue 11 (2021-11-29)

Issue 10 (2021-05-24)

Issue 9 (2020-07-03)

Issue 8 (2019-12-19)

Issue 7 (2018-05-15)

Issue 6 (2018-02-15)

Issue 5 (2016-09-20)

Issue 4 (2016-08-09)

Date of Issue: 2025-11-13

Applicant: **Longvale Limited**
Lancaster Park
Needwood
Burton-upon-Trent
Staffordshire
DE13 9PD
United Kingdom

Equipment: **Euroswitch**

Optional accessory:

Type of Protection: **Intrinsic Safety (Gas & Dust)**

Marking: **See Annex**

Approved for issue on behalf of the IECEx
Certification Body:

D Brearley

Position:

Lead Certification Engineer

Signature:
(for printed version)

Date:
(for printed version)

13/11/2025

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Certificate issued by:

SGS UK Limited
Rockhead Business Park
Staden Lane
Buxton, Derbyshire SK17 9RZ
United Kingdom





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Date of issue: 2025-11-13

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Manufacturer: **Longvale Limited**
Lancaster Park
Needwood
Burton-upon-Trent
Staffordshire
DE13 9PD
United Kingdom

Manufacturing locations: **Longvale Limited**
Lancaster Park
Needwood
Burton-upon-Trent
Staffordshire
DE13 9PD
United Kingdom

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-11:2011](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Reports:

[GB/BAS/ExTR14.0017/00](#)
[GB/BAS/ExTR15.0349/00](#)
[GB/BAS/ExTR17.0197/00](#)
[GB/BAS/ExTR19.0321/00](#)
[GB/SGS/ExTR23.0015/00](#)

[GB/BAS/ExTR14.0331/00](#)
[GB/BAS/ExTR16.0201/00](#)
[GB/BAS/ExTR18.0093/00](#)
[GB/BAS/ExTR20.0104/00](#)
[GB/SGS/ExTR25.0096/00](#)

[GB/BAS/ExTR15.0208/00](#)
[GB/BAS/ExTR16.0252/00](#)
[GB/BAS/ExTR19.0304/00](#)
[GB/BAS/ExTR21.0204/00](#)
[GB/SGS/ExTR25.0148/00](#)

Quality Assessment Report:

[GB/SIR/QAR07.0013/17](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Euroswitch range covers the main Euroswitch sensor (which may also be identified as the MagnaProx), the Ferroswitch (may also be identified as FerroProx), a safety switch, a Resin Switch (may also be identified as a MagnaProx) and specialized switches that include a 4-wire valve position switch and a differential pressure switch.

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, aluminium or 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.

The applied marking, temperature range and terminal parameters are dependent on the models selected and are detailed in full in the Annex of this certificate.

The manufacturer has controlled the capacitance and inductance of the cable. The capacitance and inductance per unit length are ≤ 120 pF/m and ≤ 0.7 μ H/m respectively. Therefore for a Group IIC atmosphere the cable length cannot exceed 550 m and 3,000 m for a Group IIIC atmosphere for single switch circuits.

For dual switch circuits the permitted cable length limit is reduced to 137 m for Group IIC atmospheres and 811 m for Group IIIC. The end-user should contact the manufacturer if cable lengths in excess of these are required.

For full details regarding these parameters, including the model differences, refer to Annex.

SPECIFIC CONDITIONS OF USE: YES as shown below:

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.
8. Aluminium head options must be protected from impact and friction when located in a Zone 0 area.
9. When used for Group III applications the non-metallic coating of the aluminium head version presents a potential electrostatic charging hazard – see instructions



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Variation 14.1

To introduce a new aluminium head and lid option.

ExTR: **GB/SGS/ExTR25.0096/00**

File Reference: **25/0276**

Annex:

[IECEX BAS 14.0003X Annex issue 14.pdf](#)

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

Ui	= 30V
Ii	= 250 mA
Pi	= 1.3 W
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 IP66/67/68 enclosures only)	
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	
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	
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	
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	
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	
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	
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**:

U _i	= 30V
I _i	= 250 mA
P _i	= 1.3W
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 enclosures only)	
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	
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	
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	
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	
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	
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	
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)	
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	
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	
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	
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	
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	
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	
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

U _i	= 30V
I _i	= 250 mA
P _i	= 550mW
C _i	= 0
L _i	= 0
The Connector types shall be marked	
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:	
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:

U _i	= 30V
I _i	= 250 mA
P _i	= 650 mW
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 Non-Wireable types with PVC integral cable types shall be marked	
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	
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	
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	
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	
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	
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)

Range	Switch Type/Description	XX	-	X	X	X	X	-	X
Range	MagnaProx / Euroswitch	ES	-					-	
	FerroProx / FerroSwitch	FS	-					-	
	Safety Switch	ES	-					-	
Housing Style - MagnaProx	90 x 30 x 23 Rectangular Housing	ES only	-	0				-	
	80 x 20 x 25 Rectangular Housing	ES only	-	1				-	
	55 x 20 x 25 Rectangular Housing	ES only	-	2				-	
	M18 x 1 Cylindrical Housing	ES only	-	3				-	
	M18 x 1 Cylindrical Housing	ES only	-	4				-	
	5/8"-18 UNF Cylindrical Housing	ES only	-	5				-	
	M18 x 1 Cylindrical Housing	ES only	-	6				-	
	5/8"-18 UNF Cylindrical Housing	ES only	-	7				-	
	M18 x 1 Cylindrical Housing	ES only	-	8				-	
	5/8"-18 UNF Cylindrical Housing	ES only	-	9				-	
	M18 x 1 Cylindrical Housing	ES only	-	10				-	
	5/8"-18 UNF Cylindrical Housing	ES only	-	11				-	
	M18 x 1 Cylindrical Housing	ES only	-	12				-	
	3/8"-24 UNF Cylindrical Housing	ES only	-	13				-	
	M12 x 1 Cylindrical Housing	ES only	-	14				-	
	3/8"-24 UNF Cylindrical Housing	ES only	-	15				-	
	M12 x 1 Cylindrical Housing	ES only	-	16				-	
	87 x 15 x 22 Rectangular Housing	ES only	-	44				-	
	67 x 19 x 13 Rectangular Housing	ES only	-	45				-	
	35 x 13 x 16 Rectangular Housing	ES only	-	46				-	
80 x 16 x 21 Rectangular Housing	ES only	-	BZ18				-		
91 x 22 x 36 Rectangular Housing - Safety Switch	ES only	-	SS				-		
Housing Style - FerroProx	M18 x 1 Cylindrical Housing	FS only	-	A				-	
	5/8"-18 UNF Cylindrical Housing	FS only	-	B				-	
	M18 x 1 Cylindrical Housing	FS only	-	C				-	
	5/8"-18 UNF Cylindrical Housing	FS only	-	D				-	
	M18 x 1 Cylindrical Housing	FS only	-	E				-	
	3/4"-16 UNF Cylindrical Housing	FS only	-	F				-	
	M20 x 1.5 Cylindrical Housing - 250mm Long	FS only	-					-	
	5/8"-18 UNF Cylindrical Housing	FS only	-	H				-	
	M18 x 1 Cylindrical Housing	FS only	-	I				-	
	5/8"-18 UNF Cylindrical Housing	FS only	-	J				-	
	M18 x 1 Cylindrical Housing	FS only	-	K				-	
	5/8"-18 UNF Cylindrical Housing	FS only	-	L				-	
	M18 x 1 Cylindrical Housing	FS only	-	M				-	
	3/8"-24 UNF Cylindrical Housing	FS only	-	N				-	
	M12 x 1 Cylindrical Housing	FS only	-	O				-	
	3/8"-24 UNF Cylindrical Housing	FS only	-	P				-	
M12 x 1 Cylindrical Housing	FS only	-	Q				-		
1" -14 UNS cylindrical switch	FS only	-	R				-		
Flange Mount Housing	FS only	-	CYL				-		
90 x 30 x 23 Rectangular Housing	FS only	-	Z				-		
Approvals	ATEX/IECEV/UKEX Markings		-		2			-	
	Multiple Certification Markings (Exia only)		-		E			-	
	Other Regional Exa Certification Markings		-		F - Z			-	
Material	Stainless Steel Housing		-			2		-	
Cable Type	PVC Cable		-				1	-	
	PVC Leads		-				1L	-	
	Polyolefin Cable		-					-	
	Polyurethane (PUR) Cable		-					-	
	Teflon Leads		-					-	
	PEEK Leads		-					-	
	Silicone Cable		-					-	
Options (may be combined e.g. -D-E)	1A Switching	ES only	-					-	
	20W Reed	ES only	-					-	
	3A Switching - Normally Open	ES only	-					-	
	DPDT Contacts		-					-	
	Earth/Ground Wire		-					-	
	Latching/Bi-stable	ES only	-					-	
	Fully Potted Conduit Entry		-					-	
	3A Switching - SPDT Tungsten Contacts	ES only	-					-	
	Line Fault Monitoring (NAMUR Output) - Normally Open		-					-	
	Line Fault Monitoring (NAMUR Output) - Normally Closed		-					-	
	Normally Open Form A (2-wire)		-					-	
	Normally Closed Form B (2-wire)		-					-	
	5,000 psi Pressure Resistant End Cap		-					-	
	10,000 psi Pressure Resistant End Cap		-					-	
	Side Entry Teflon Leads		-					-	
	Back/Top Entry Wireable Terminal Head	Cylindrical Only	-					-	
	Side Entry Wireable Terminal Head	Cylindrical Only	-					-	
	Side Entry Wireable Terminal Head - Rotatable	Cylindrical Only	-					-	
	Twin Side Entry Wireable Terminal Head - Rotatable	Cylindrical Only	-					-	
	Twin Side (90°) Entry Wireable Terminal Head - Rotatable	Cylindrical Only	-					-	
	Triple Side Entry Wireable Terminal Head - Rotatable	Cylindrical Only	-					-	
	Back/Top Entry Wireable Terminal Head - Aluminium	Cylindrical Only	-					-	
	Side Entry Wireable Terminal Head - Aluminium	Cylindrical Only	-					-	
	Side Entry Wireable Terminal Head - Rotatable - Aluminium	Cylindrical Only	-					-	
	Twin Side Entry Wireable Terminal Head - Aluminium	Cylindrical Only	-					-	
	Twin Side Entry Wireable Terminal Head - Rotatable - Aluminium	Cylindrical Only	-					-	
	Alternative Conduit Entry Thread - 1/2" NPT		-					-	
	Alternative Conduit Entry Thread - M20x1.5		-					-	
Customer Requests Not Affecting Certification		-					-		
Male Adaptor Thread M20, ½"NPT or ¾"NPT		-					-	(M), (N) or (3N)	
Micro-change Connector M12x1 Thread (* denotes no. of pins)		-					-		
Micro-change Connector 1/2" UNF Thread (* denotes no. of pins)		-					-		
Mini-change Connector (* denotes no. of pins)		-					-		

	Switch Type/Description	XX	-	X	X	X	X	-	X
Range	MagnaProx / Euroswitch - Resin Series	RS	-					-	
Housing Style	M12 x 1 x 60mm Cylindrical Housing		-	M12				-	
	M18 x 1 x 60mm Cylindrical Housing		-	M18				-	
	65 x 15 x 25mm Rectangular Housing		-	V1				-	
	28 x 9 x 16mm Rectangular Housing		-	V3				-	
Approvals	ATEX/IECEX/UKEX Markings		-		2			-	
	Multiple Certification Markings (Exia only)		-		E			-	
	Other Regional Exia Certification Markings		-		F - Z			-	
Material	Plastic housing		-			0		-	
Cable Type	PVC cable		-				1	-	
	PVC Leads		-				1L	-	
	Polyolefin cable	Not V3	-				2	-	
Options (may be combined)	Normally Open Form A (2-wire)		-					-	
	Short Housing - 40mm Long	M12/M18 Only	-					-	
	DPDT Contacts	Not V3	-					-	
	Latching/bi-stable Contacts	Not V3	-					-	
	Micro-change Connector M12x1 Thread (* denotes no. of pins)	Not V3	-					-	
	Micro-change Connector 1/2" UNF Thread (* denotes no. of pins)	Not V3	-					-	
	Customer Requests Not Affecting Certification		-					-	

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	-	1

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