

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

 0191 Accredited to ISO/IEC 17065:2012 to provide product conformity certification	SGS United Kingdom Limited	
	Issue No: 026 Issue date: 21 September 2023	
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Locations where certification activities covered by the above Accreditation Standard are undertaken	
SGS United Kingdom Limited Rockhead Business Park Staden Lane Buxton Derbyshire SK17 9RZ	



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DETAIL OF ACCREDITATION

Product	Standard
Products components and systems intended for use in and in conjunction with potentially explosive atmospheres	Conformity with standards applicable to the explosion safety of such products, components and systems
Electrical apparatus for explosive gas atmospheres and explosive dust atmospheres: General requirements	IEC 60079-0:2017 Ed 7 UL 60079-0 Ed 7 (2019) CSA C22.2 No 60079-0:2019 Excluding Group I IEC 60079-0:2011 (withdrawn) ANSI/ISA/UL 60079-0:13(withdrawn) C22.2 No 60079-0:11, (withdrawn) Excluding Group I IEC 60079-0:2007 (withdrawn) IEC 60079-0:2004 (withdrawn)
Flameproof enclosures 'd'	IEC 60079-1:2014 ANSI/ISA/UL 60079-1:09 C22.2 No 60079-1:11, Excluding Group I IEC 60079-1:2007 (withdrawn) IEC 60079-1:2001 (withdrawn)
Pressurised apparatus 'p'	IEC 60079-2:2014 ANSI/ISA/UL 60079-2:10 C22.2 No 60079-2:12, Excluding Group I IEC 60079-2:2007 (withdrawn) IEC 60079-2:2001 (withdrawn)
Powder filling 'q'	IEC 60079-5:2015 ANSI/ISA/UL 60079-5:09 C22.2 No 60079-5:11, Excluding Group I IEC 60079-5:2007 (withdrawn) IEC 60079-5:1997 (withdrawn)
Liquid immersion 'o'	IEC 60079-6;2015 ANSI/ISA/UL 60079-6: 07 C22.2 No 60079-6:11, Excluding Group I IEC 60079-6:2007 (withdrawn) IEC 60079-6:1995 (withdrawn)
Increased safety 'e'	IEC 60079-7:2015 ANSI/ISA/UL 60079-7:08 C22.2 No 60079-7:12, Excluding Group I IEC 60079-7:2006 (withdrawn) IEC 60079-7:2001 (withdrawn)



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Product	Standard
Intrinsic safety 'i'	IEC 60079-11: Ed 7:2023 IEC 60079-11:2011 ANSI/ISA/UL 60079-11:14 C22.2 No 60079-11:14, Excluding Group I IEC 60079-11:2006 (withdrawn) IEC 60079-11:1999 (withdrawn)
Equipment protection by pressurized room 'p'	IEC 60079-13:2017 IEC 60079-13:2010
Type of protection 'n'	IEC 60079-15:2017 Ed 5 UL 60079-15 Ed 5 (2020) CAN/CSA C22.2 No 60079-15: 2018 IEC 60079-15:2010 (withdrawn) ANSI/ISA/UL 60079-15:13 (withdrawn) C22.2 No 60079-15:12 (withdrawn) IEC 60079-15:2005 (withdrawn) IEC 60079-15:2001 (withdrawn)
Encapsulation 'm'	IEC 60079-18:2014 ANSI/ISA/UL 60079-18:11 C22.2 No 60079-18:11, Excluding Group I IEC 60079-18:2009 (withdrawn) IEC 60079-18:2004 (withdrawn) IEC 60079-18:1992 (withdrawn)
Intrinsically safe systems 'i'	IEC 60079-25:2011 IEC 60079-25:2003 (withdrawn)
Equipment Group II Category IG/Zone 0	IEC 60079-26:2014 IEC 60079-26:2006 (withdrawn) IEC 60079-26:2004 (withdrawn)
Electrical apparatus for explosive gas atmospheres. Fieldbus intrinsically safe concept (FISCO) and fieldbus non-incendive concept (FNICO)	IEC 60079-27:2008 IEC 60079-27:2005 (withdrawn)
Protection of equipment and transmission systems using optical radiation	IEC 60079-28:2015 IEC 60079-28:2006 (withdrawn)



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Product	Standard
Performance requirements of open path detectors for flammable gases	EN 60079-29-4:2010
Electric surface heating devices	IEC/IEEE 60079-30-1: 2015 Edition 1 IEC 60079-30-1:2007 IEC 62086-1:2001 (withdrawn)
Explosive atmospheres - Equipment protection by special protection 's'	IEC 60079-33:2012 SFA 3009:1985 HSE (M) 01
Miners' caplamps	IEC 60079-35-1:2011 IEC 60079-35-2:2011
Equipment dust ignition protection by enclosure "t"	IEC 60079-31: Ed 3:2022 IEC 60079-31:2013 ANSI/ISA/UL 60079-31:11 C22.2 No 60079-31:11, Excluding Group I IEC 60079-31:2008 (withdrawn)
Non-incendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations	ANSI-ISA 12.12.01:2015 excluding clauses 12.2 and 15.2
Standard no. CSA C22.2 No. 0.10 Title: General requirements – Canadian electrical code, Part II	CSA C22.2 No. 0.10 (R2015)
Enclosures for electrical equipment, non-environmental considerations	CSA C22.2 No. 94.1-15
Enclosures for use in class II Groups E, F & G hazardous locations	CSA C22.2 No. 25-1966
Explosion-proof Enclosures for use in class I hazardous locations	CSA C22.2 No. 30-M1986
Requirements for electrical resistance trace heating and heating device sets	CSA C22.2 No. 130-16



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Product	Standard
Electrical Equipment for use in hazardous locations General Requirements	FM3600: 2011 excluding clauses 4.2 and 4.3.1 a)
Nonincendive Electrical Equipment for use in Class I & II Division 2 and Class III Division 1 and 2	FM3611: 2004 excluding clause 12
Explosionproof Electrical Equipment General Requirements	FM3615; 2006
Dust Ignition Electrical Equipment General Requirements	FM3616: 2011
Purged and Pressurized Electrical Equipment for Hazardous (Classified) Locations	FM3620: 2000
Standard for Purged and Pressurized Enclosures for Electrical Equipment	NFPA496: 2017
Electric Motors and Generators for Use in Hazardous (classified) locations	UL 674: 2013 excluding clauses 32, 33, 38, 41, 43, 45, 48
Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II and III, Division 1, Hazardous (Classified) Locations	UL913: 2013 8th Edition
Rotating electrical machines - General requirements	UL1004-1: 2016
Form wound and medium voltage rotating electrical machines	UL1004-9: 2016
Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations	UL1203: 2013
Group I, Category M1 equipment intended to remain functional in atmospheres endangered by firedamp and/or coal dust	EN 50303:2000



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Product	Standard
Electrical Apparatus for use in dust atmospheres General requirements	IEC 61241-0:2004 (withdrawn) IEC 61241-1-1:1999 (withdrawn)
Protection by enclosure "tD"	IEC 61241-1:2004 (withdrawn)
Electrical apparatus for use in the presence of combustible dust: Type of protection 'pD'	IEC 61241-4: 2001 (withdrawn)
Protection by intrinsic safety "iD"	IEC 61241-11:2005 (withdrawn)
Protection by encapsulation "mD"	IEC 61241-18:2004 (withdrawn)
Requirements for electrical/electronic/programmable electronic safety-related systems - applied to individual items of hardware	IEC 61508-2:2000 using CASS methodology
Non Electrical Equipment:	
Non-electrical equipment for explosive atmospheres– Basic method and requirements	ISO 80079-36: 2016 Edition 1
Non-electrical equipment for explosive atmospheres – Non-electrical type of protection constructional safety 'c', control of ignition sources 'b', liquid immersion 'k'	ISO 80079-37: 2016 Edition 1
Equipment and components in explosive atmospheres in underground mines	ISO/IEC 80079-38: 2016 Edition 1
General Requirements	EN 13463-1:2009 EN 13463-1:2001 (withdrawn)
Protection by flow restricting enclosure "fr"	EN 13463-2:2004
Protection by flameproof enclosure 'd'	EN 13463-3:2005



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Product	Standard
Non Electrical Equipment - Constructural Safety "c"	EN 13463-5:2003
Protection by control of ignition source "b"	EN 13463-6:2005
Non Electrical Equipment - Liquid Immersion "k"	EN 13463-8:2003
Explosion prevention and protection Basic concepts and methodology	EN 1127-1:1997
Explosion prevention and protection Basic concepts and methodology for mining	EN 1127-2:2002
Rotating electrical machines	ENV 50269 1997 (withdrawn)
Type 'N' rotating electrical machines	BS 5000:Part 16:1997 (withdrawn)
Luminaire - Specification for general requirements and tests	IEC 60598-1:2008 IEC 60598-1:2003 (withdrawn)
Type 'N' luminaires	BS 4533-102.51:1986 (withdrawn)
Metering pumps and fuel dispensers	EN 13617-1:2004 BS 7117:Part 1:1991 (withdrawn) SFA 3002:1971 PAS022
Interlock and monitoring circuits for use in mines	BS 7202:1989
Mechanical cable glands	BS 6121:Part 1:2005 BS 6121:Part 1:1989 (withdrawn) EN 50262:1998
Cable Glands for Electrical Installations	EN 62444: 2013



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Product	Standard
Degrees of protection provided by enclosure	IEC 60529 + A1 + A2 2013 excluding IPX9 ANSI/IEC 60529-2004 CSA C22.2 No. 60529:16
Flameproof equipment for diesel engines for use in mines	BS 6680:1985
Battery operated vehicles	SFA 3006
Electrical apparatus for the detection of combustible gases in domestic premises	BS 7348:1990 (withdrawn) EN 50194:2000
Group II engines for flammable gas and vapour atmospheres	EN 1834-1:2000
Group I engines for workings susceptible to firedamp and/or combustible dust	EN 1834-2:2000
Group II engines for flammable dust atmospheres	EN 1834-3:2000
Electrostatic hand-held spraying equipment	EN 50050:2001 EN 50050:1986 (withdrawn) BS 6742:Part 1:1987 (withdrawn)
Electrical apparatus for the detection and measurements of combustible gases: Performance requirements	IEC 60079-29-1:2007 IEC 61779-1:1998 (withdrawn) IEC 61779-2:1998 (withdrawn) IEC 61779-3:1998 (withdrawn) IEC 61779-4:1998 (withdrawn) IEC 61779-5:1998 (withdrawn)
Detection of Oxygen	EN 50104:2002



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Product	Standard
Electrical equipment for measurement, control and laboratory use: Safety requirements	IEC 61010-1:2010 ANSI/ISA/UL/CSA 61010-1:12 IEC 61010-1:2001 (withdrawn) Note the scope of products covered for 61010-1 is restricted to those products which are simultaneously submitted for consideration as products with explosion protection
Flame arrestors	BS 7244:1990 EN 12874:2001
Small craft; Electrical Devices: Protection against ignition of surrounding flammable gases	EN 28846:1993
Potentially explosive atmospheres. Application of quality systems.	IEC 80079-34:2011
Safety devices required for the safe functioning of equipment with respect to explosion risks	EN 50495:2010
Where IEC or EN standards have exact equivalents in BS, EN or BS EN Standards, these are also included in the accreditation	
END	



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Accreditation for the purpose of UK Approved Body Activity in accordance with UKCA Requirements and UKAS Publication GEN 5

Directive / Regulation	Conformity Assessment procedure/ Module/article	Category of products or individual products	Essential requirements: Product specification / Properties/Standards
<p>Equipment and Protective Systems Intended for use in Potentially Explosive Atmospheres Regulations 2016, SI 2016 No 1107 as amended</p>	<p>Assessment Procedures as defined in Schedule 3A of the Regulations: -</p> <p>Schedule 3A, Part 1 Type Examination</p> <p>Schedule 3A, Part 2 Conformity to type based on quality assurance of the production process</p> <p>Schedule 3A, Part 3 Conformity to type based on product verification</p> <p>Schedule 3A, Part 7 Conformity based on unit verification</p>	<p>Group I - Category M1 Group II - Category 1</p> <ul style="list-style-type: none"> • Equipment and Protective systems • Safety devices, controlling devices and regulating devices • Components 	<p>Schedule 1, Essential health and safety requirements and assessment of technical documentation, quality system and/or products in accordance with the relevant Module.</p>
	<p>Schedule 3A, Part 1 Type Examination</p> <p>Schedule 3A, Part 4 Conformity to type based on internal production control plus supervised product testing</p> <p>Schedule 3A, Part 5 Conformity based on product quality assurance</p> <p>Schedule 3A, Part 7 Conformity based on unit verification</p>	<p>Group I - Category M2 Group II - Category 2</p> <ul style="list-style-type: none"> • Internal Combustion Engine or Electrical Equipment • Components 	<p>Schedule 1, Essential health and safety requirements and assessment of technical documentation, quality system and/or products in accordance with the relevant Module.</p>



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Directive / Regulation	Conformity Assessment procedure/ Module/article	Category of products or individual products	Essential requirements: Product specification / Properties/Standards
Equipment and Protective Systems Intended for use in Potentially Explosive Atmospheres Regulations 2016, SI 2016 No. 1107 as amended (cont'd)	Assessment Procedures as defined in Schedule 3A of the Regulations (cont'd): - Schedule 3A, Part 7 Conformity based on unit verification	Group I - Category M2 Group II - Category 2 <ul style="list-style-type: none"> Equipment other than Internal Combustion Engine or Electrical items 	Schedule 1, Essential health and safety requirements and assessment of technical documentation, quality system and/or products in accordance with the relevant Module.
	Schedule 3A, Part 7 Conformity based on unit verification	Group II - Category 3 <ul style="list-style-type: none"> Equipment and Protective systems Components 	
	Regulation 39(1)(b)(ii)(bb) Receipt and retention of a Technical File	Group I - Category M2 Group II - Category 2 <ul style="list-style-type: none"> Equipment other than Internal Combustion Engine or Electrical items 	Storage of technical files

Conformity of the design and construction of equipment, components and protective systems with the standards listed above and/or the Essential Health and Safety Requirements of Schedule 1 of the regulations;

END



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**Accreditation for the purpose of Notified Body Activity relating to the Northern Ireland market (CE + UKNI)
taking into account EA-2/17**

Directive / Regulation	Conformity Assessment procedure/ Module/article	Category of products or individual products	Essential requirements: Product specification / Properties/Standards
<p>Equipment and Protective systems Intended for use in Potentially Explosive Atmospheres, Directive (2014/34/EU) implemented in Northern Ireland by the Equipment and Protective Systems Intended for use in Potentially Explosive Atmospheres Regulations (Northern Ireland) 2017, SI 2017 No 90 as amended</p>	<p>Assessment Procedures as defined in Article 13 of the Directive:</p> <p>Annex III EU-Type Examination</p> <p>Annex IV Conformity to type based on quality assurance of the production process</p> <p>Annex V Conformity to type based on product verification</p> <p>Annex IX Conformity based on unit verification</p>	<p>Group I - Category M1 Group II - Category 1</p> <ul style="list-style-type: none"> • Equipment and Protective systems • Safety devices, controlling devices and regulating devices • Components 	<p>Annex II Essential health and safety requirements and assessment of technical documentation, quality system and/or products in accordance with the relevant Module.</p>
	<p>Annex III EU-Type Examination</p> <p>Annex VI Conformity to type based on internal production control plus supervised product testing</p> <p>Annex VII Conformity based on product quality assurance</p> <p>Annex IX Conformity based on unit verification</p>	<p>Group I - Category M2 Group II - Category 2</p> <ul style="list-style-type: none"> • Internal Combustion Engine or Electrical Equipment • Components 	<p>Annex II Essential health and safety requirements and assessment of technical documentation, quality system and/or products in accordance with the relevant Module.</p>



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Equipment and Protective systems Intended for use in Potentially Explosive Atmospheres, Directive (2014/34/EU) implemented in Northern Ireland by the Equipment and Protective Systems Intended for use in Potentially Explosive Atmospheres Regulations (Northern Ireland) 2017, SI 2017 No 90 as amended (cont'd)	Assessment Procedures as defined in Article 13 of the Directive (cont'd): - Annex IX Conformity based on unit verification	Group I - Category M2 Group II - Category 2 <ul style="list-style-type: none"> Equipment other than Internal Combustion Engine or Electrical items 	Annex II Essential health and safety requirements and assessment of technical documentation, quality system and/or products in accordance with the relevant Module. (cont'd)
	Annex IX Conformity based on unit verification	Group II - Category 3 <ul style="list-style-type: none"> Equipment and Protective systems Components 	
	Article 13 Receipt and retention of a Technical File	Group I - Category M2 Group II - Category 2 <ul style="list-style-type: none"> Equipment other than Internal Combustion Engine or Electrical items 	Storage of technical files

Conformity of the design and construction of equipment, components and protective systems with the standards listed above and/or the Essential Health and Safety Requirements of Schedule 1 of the regulations;

END