

SC31G publications generated on 2024-04-04						
Reference	Edition	Corrigenda/IS	Date	Title	Language	Description
IEC 60079-11:2023/COR1:2023	Edition 7.0	1	2023-06-27	Corrigendum 1 - Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"	EN	IEC 60079-11:2023 specifies the construction and testing of intrinsically safe apparatus intended for use in explosive atmospheres, and for associated apparatus which is intended for connection to intrinsically safe circuits which enter such atmospheres. This Type of Protection is applicable to electrical equipment in which the electrical circuits themselves are incapable of causing ignition of a surrounding explosive atmosphere. This includes electrical equipment which contains circuits that are intrinsically safe only under certain conditions, for example under battery supply with mains supply removed. This document is also applicable to electrical equipment or parts of electrical equipment located outside the explosive atmosphere or protected by another Type of Protection listed in IEC 60079 0, where the intrinsic safety of the electrical circuits in the explosive atmosphere may depend upon the design and construction of such electrical equipment or parts of such electrical equipment. The electrical circuits exposed to the explosive atmosphere are assessed for use in such atmospheres by applying this document. This document applies to sensors connected to intrinsically safe circuits but does not apply to the protection of catalytic elements for Group IIC or Group IIB + H2. This document does not apply to Ex Equipment cable glands.
IEC 60079-11:2023	Edition 7.0		2023-01-13	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"	EN-FR, EN	

IEC 60079-25:2020/COR2:2022	Edition 3.0	2	2022-11-29	Corrigendum 2 - Explosive atmospheres - Part 25: Intrinsically safe electrical systems	EN-FR	IEC 60079-25:2020 contains the specific requirements for design, construction and assessment of intrinsically safe systems, Type of Protection "i", intended for use, as a whole or in part, in locations in which the use of Group I, II or III Ex Equipment is required. This document supplements and modifies the general requirements of IEC 60079-0 and the intrinsic safety standard IEC 60079-11. Where a requirement of this standard conflicts with a requirement of IEC 60079-0 or IEC 60079-11, the requirement of this standard takes precedence. The installation requirements of Group II or Group III systems designed in accordance with this standard are specified in IEC 60079-14. This third edition cancels and replaces the second edition published in 2010 and constitutes a technical revision. The contents of the corrigendum 1 of October 2020 and corrigendum 2 of November 2022 have been included in this copy.
IEC TS 60079-47:2021	Edition 1.0		2021-02-03	Explosive atmospheres - Part 47: Equipment protection by 2-wire intrinsically safe ethernet concept (2-WISE)	EN	
IEC 60079-25:2020/COR1:2020	Edition 3.0	1	2020-10-20	Corrigendum 1 - Explosive atmospheres - Part 25: Intrinsically safe electrical systems	EN-FR	

IEC TS 60079-39:2015/COR1:2020	Edition 1.0	1	2020-10-20	Corrigendum 1 - Explosive atmospheres - Part 39: Intrinsically safe systems with electronically controlled spark duration limitation	EN	IEC TS 60079-39:2015(E) specifies the construction, testing, installation and maintenance of Power-i apparatus and systems which utilise electronically controlled spark duration limitation to maintain an adequate level of intrinsic safety. This Technical Specification contains requirements for intrinsically safe apparatus and wiring intended for use in explosive atmospheres and for associated apparatus intended for connection to intrinsically safe circuits entering such atmospheres. This Technical Specification excludes the level of protection "ia" and the use of software-controlled circuits. This Technical Specification applies to electrical equipment utilising voltages not higher than 40 V d.c. and a safety factor 1,5 for Groups IIB, IIA, I and III. It is also applicable to Group IIC "ic" apparatus with a safety factor 1,0. Group IIC "ib" apparatus with a safety factor 1,5 are restricted to voltages up to 32 V d.c. This type of protection is applicable to electrical equipment in which the electrical circuits themselves are incapable of causing an explosion of the surrounding explosive atmospheres. This Technical Specification is applicable to intrinsically safe apparatus and systems which utilise electronically controlled spark duration limitation with the aim of providing more electrical power while maintaining an adequate level of safety. This Technical Specification is also applicable to
IEC 60079-25:2020	Edition 3.0		2020-06-26	Explosive atmospheres - Part 25: Intrinsically safe electrical systems	EN-FR, ES	

IEC TS 60079-39:2015	Edition 1.0		2015-06-11	Explosive atmospheres - Part 39: Intrinsically safe systems with electronically controlled spark duration limitation	EN	<p>IEC 60079-47:2021(E), which is a technical specification, specifies requirements for the construction, marking and documenting of apparatus, systems and installations for use with the 2-Wire Intrinsically Safe Ethernet concept (2-WISE), such as the physical layer specification for 2-Wire Ethernet 10BASE-T1L as defined in IEEE 802.3cg. 2-WISE is a concept for an advanced physical layer (APL), designed to simplify the examination process for intrinsic safety parameters of components and cabling within APL segments. This is achieved by defining universal intrinsic safety parameter limits for APL ports, according to the specific hazardous area requirements and listing a concise set of rules for the segment setup. The requirements for construction and installation of 2-WISE devices and systems are included in IEC 60079-11, IEC 60079-14, and IEC 60079-25, except as modified by this document. Parts of a 2-WISE device can be protected by any Type of Protection listed in IEC 60079-0 appropriate to the EPL for the intended hazardous area. In these circumstances, the requirements of this technical specification apply only to intrinsically safe circuits of the apparatus. Where a requirement of this document conflicts with a requirement of IEC 60079-0, IEC 60079 11, IEC 60079-14 or IEC 60079-25, the requirements of this document take</p>