

UK-TYPE EXAMINATION CERTIFICATE

Component Intended for use on/in a Product and Protective Systems Intended for Use in Potentially Explosive Atmospheres

UKSI 2016:1107 (as amended) – Schedule 3A, Part 1

- UK-Type Examination Certificate Number:** ITS21UKEX0218U **Issue 00**
- Product:** Range of Increased Safety Window Kits
- Manufacturer:** Purge Solutions, Inc
- Address:** 592 Avenue E 1/2, Alvin, Texas 77511 USA
- This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- Intertek Testing and Certification Limited, Approved Body number 0359, in accordance with Regulation 42 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), certifies that the product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of the product intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.

The examination and test results are recorded in the confidential report 10464058LHD-001 dated 30th September 2021.
- Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN IEC 60079-0:2018, EN 60079-31:2014 and EN IEC 60079-7:2015+A1:2018 except in respect of those requirements referred within item 14 of the Schedule.
- The sign “U” is placed after the certificate number. It indicates that this certificate must not be mistaken for a certificate intended for equipment or a protective system. This partial certification may be used as a basis for certification of a product or a protective system.
- 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.
- The marking of the product shall include the following:



II 2 GD
Ex eb IIC Gb
Ex tb IIIC Db IP66

Service Temp: -40°C to +80°C

Certification Officer: _____ **Date:** 5th April 2022
Mark Newman

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Intertek Testing & Certification Limited, Cleeve Road, Leatherhead, Surrey, KT22 7SA
Registered No 3272281 Registered Office: Academy Place, 1-9 Brook Street, Brentwood, Essex, CM14 5NQ.

SCHEDULE:

EU-Type Examination Certificate Number: ITS21UKEX0218U Issue 00

11. Description of Component

The Increased Safety Window Kits are mountable assemblies fabricated in various materials and finishes, which are fitted with windows. They are available in two types Opening and Non-Opening. The Opening Window Kits are hinged and clamped for ingress protection and are offered from a 152.4mm x 228.6mm viewing area to a 508.0mm x 762.0mm viewing area. The Non-Opening Window Kits are offered from a 24.9mm x 47.8mm viewing area to a 184.2 mm x 254.0mm viewing area. They are secured to enclosure by various fastener arrangements, which rely on O-rings or medium density silicone gaskets to prevent ingress when mounted.

12. Report Number

Intertek Report: 10464058LHD-001 dated 30th September 2021.

13. Conditions of Certification

(a). Schedule of Limitations

- The increased safety Window Kits are suitable for installation into enclosure in atmosphere with flammable gasses and dust. For flammable gases, the enclosure must satisfy the requirements according to EN IEC 60079-0:2018 and EN IEC 60079-7:2015+A1:2018. For combustible dust the enclosure must satisfy the requirements according to EN 60079-0:2018 and EN 60079-31:2014
- The service temperature range of -40°C to +80°C shall not be exceeded.
- Consideration of Clause 7.5 of EN IEC 60079-0:2018 should be given when fitting the window kits to a non-metallic enclosure or a non-metallic part of an enclosure
- When mounted to an enclosure care should be taken to ensure the joint between the window kit and the enclosure wall maintains the required degree of protection

(b). Conditions of Manufacture - Routine Tests

- None.

14. Essential Health and Safety Requirements (EHSRs)

The relevant Essential Health and Safety Requirements (EHSRs) have been identified and assessed in Intertek Report: 10464058LHD-001 dated 30th September 2021.

15. Drawings and Documents

Title:	Drawing No.:	Rev. Level:	Date:
1/4 DIN BEZEL INCREASED SAFTEY WINDOW KIT	MM-11151-E	E	25/JAN/12
1/4 DIN LAMINATED GLASS INCREASED SAFTEY WINDOW KIT	MM-11152-D	D	25/JAN/12
1/4 DIN BEZEL ATEX, IECEx and UKEx LABEL INCREASED SAFTEY WINDOW KIT	MM-11160-E	E	27/JAN/12
1/4 DIN GENERAL ASSEMBLY INCREASED SAFTEY WINDOW KIT	MM-11165-E	E	27/JAN/12
1/8 DIN BEZEL INCREASED SAFTEY WINDOW KIT	MM-11153-E	E	25/JAN/12

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1/8 DIN LAMINATED GLASS INCREASED SAFTEY WINDOW KIT	MM-1154-D	D	25/JAN/12
1/8 DIN BEZEL ATEX, IECEx and UKEx LABEL INCREASED SAFTEY WINDOW KIT	MM-11161-E	E	27/JAN/12
1/8 DIN GENERAL ASSEMBLY INCREASED SAFTEY WINDOW KIT	MM-11166-E	E	30/JAN/12
1/16 DIN BEZEL INCREASED SAFTEY WINDOW KIT	MM-11155-E	E	25/JAN/12
1/16 DIN LAMINATED GLASS INCREASED SAFTEY WINDOW KIT	MM-11156-D	D	25/JAN/12
1/16 DIN BEZEL ATEX, IECEx and UKEx LABEL INCREASED SAFTEY WINDOW KIT	MM-11162-E	E	27/JAN/12
1/16 DIN GENERAL ASSEMBLY INCREASED SAFTEY WINDOW KIT	MM-11167-E	E	30/JAN/12
1/32 DIN BEZEL INCREASED SAFTEY WINDOW KIT	MM-11157-E	E	25/JAN/12
1/32 DIN LAMINATED GLASS INCREASED SAFTEY WINDOW KIT	MM-11158-D	D	25/JAN/12
1/32 DIN BEZEL ATEX, IECEx and UKEx LABEL INCREASED SAFTEY WINDOW KIT	MM-11163-E	E	25/JAN/12
1/32 DIN GENERAL ASSEMBLY INCREASED SAFTEY WINDOW KIT	MM-11168-E	E	30/JAN/12
EXTRA LARGE BEZEL INCREACED SAFTEY WINDOW KIT	MM-11149-E	E	20/JAN/12
EXTRA LARGE LAMINATED GLASS INCREASED SAFTEY WINDOW KIT	MM-11150-D	D	25/JAN/12
EXTRA LARGE BEZEL ATEX, IECEx and UKEx LABEL INCREASED SAFTEY WINDOW KIT	MM-11159-E	E	25/JAN/12
EXTRA LARGE GENERAL ASSEMBLY INCREASED SAFTEY WINDOW KIT	MM-11164-E	E	27/JAN/12
ATEX, IECEx and UKEx LABEL INCREASED SAFETY WINDOW KITS	DO-11268-B-1	B	23/DEC/16
ATEX, IECEx and UKEx LABEL INCREASED SAFETY WINDOW KITS	DO-11268-B-2	B	23/DEC/16
INCREASED SAFETY WINDOW KITS IOM MANUAL	DO-11012-E	E	05/JUN/21
OPENING ASSEMBLY DETAIL INCREASED SAFETY WINDOW KITS	DO-11289-A	A	15/JUN/17
NON-OPENING ASSEMBLY DETAIL INCREASED SAFETY WINDOW KITS	DO-11288-A	A	15/JUN/17

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