

Certificate



Product Safety
Functional
Safety

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ID 0600000000

No.: 968/EZ 606.04/18

Product tested	Infrared Gas Monitor	Certificate holder	Mine Safety Appliances Co. 1000 Cranberry Woods Drive Cranberry Township, PA 16066 USA
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Type designation	PrimaX IR
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Codes and standards	IEC 61508 Parts 1-7:2010 EN 50402:2005+ A1:2008 + AC:2009 (in extracts) EN 50271:2010	EN 50270:2006 EN 60079-29-1:2007
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Intended application	In combination with an external safety device (e.g. SUPREMA - Fire and Gas Warning System of MSA Inc.) the PrimaX IR - Infrared Gas Monitor can be used for monitoring of ambient dangerous levels of hydrocarbon gas concentrations. In a HFT=0 configuration it fulfills the requirements of SIL 2 and in HFT=1 configuration the requirements of SIL 3 acc. to IEC 61508.
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Specific requirements	The instructions of the associated Operating Manual shall be considered. The external safety device must be suitable for the requested SIL and contain the defined measures for the detection of fault conditions.
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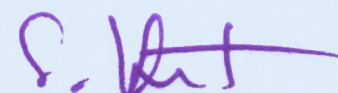
Valid until 2019-12-23

The issue of this certificate is based upon an examination, whose results are documented in Report No. 968/EZ 606.04/18 dated 2018-07-15.
This certificate is valid only for products which are identical with the product tested.

TÜV Rheinland Industrie Service GmbH
Bereich Automation
Funktionale Sicherheit
Am Grauen Stein, 51105 Köln

Köln, 2018-07-15

Certification Body Safety & Security for Automation & Grid



Dipl.-Ing. Stephan Hüb

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