

# Certificate



Product Safety  
Functional  
Safety  
  
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ID 0600000000

No.: 968/EZ 606.05/22

<b>Product tested</b>	Infrared Gas Monitor		
<b>Certificate holder</b>	Mine Safety Appliances Co. 1000 Cranberry Woods Drive Cranberry Township, PA 16066 USA		
<b>Type designation</b>	PrimaX IR For details see Revision List.		
<b>Codes and standards</b>	IEC 61508 Parts 1-7:2010 EN 50402:2017 (in extracts) EN 50271:2018	EN 50270:2015 + AC:2016 EN 60079-29-1:2016	
<b>Intended application</b>	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.		
<b>Specific requirements</b>	The instructions of the associated Installation, Operating and Safety 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.		

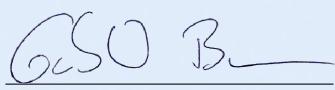
The issue of this certificate is based upon an examination, whose results are documented in Report No. 968/EZ 606.05/22 dated 2022-03-31.

This certificate is valid only for products which are identical with the product tested.

**TÜV Rheinland Industrie Service GmbH**  
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Funktionale Sicherheit  
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Köln, 2022-04-05

Certification Body Safety & Security for Automation & Grid

  
Dipl.-Ing. Gebhard Bouwer

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