



Certificate of Compliance

Certificate: 2454406

Master Contract: 242690

Project: 2454406

Date Issued: June 19, 2012

Issued to: MSA AUER GmbH

Entwicklung Messtechnik
Thiemannstrasse 1
Berlin, 12059
Germany
Attention: Axel Schubert

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.



Glenn Black

Issued by: Glenn Black

PRODUCTS

CLASS 2252 85 - PROCESS CONTROL EQUIPMENT - Certified to US Standards

CLASS 2252 05 - PROCESS CONTROL EQUIPMENT

CLASS 4828 82 - SIGNAL APPLIANCES-Toxic Gas Detection Instruments - For Hazardous Locations. Certified to U.S. Standards

CLASS 4828 02 - SIGNAL APPLIANCES - Toxic Gas Detection Instruments - For Hazardous Locations

CLASS 4828 81 - SIGNAL APPLIANCES-Combustible Gas Detection Instruments - For Hazardous Location-Certified to U.S. Standards

CLASS 4828 01 - SIGNAL APPLIANCES - - Combustible Gas Detection Instruments-For Hazardous Locations

CLASS 2252 05

CLASS 2252 85

Series SUPREMA Gas Warning Unit, Rack Power Supply: 85-265 Vac, 47-63 Hz, 150 W; 120-230 Vdc, System Voltage: 19.2-32 Vdc, relay contacts 3A @ 250V ac/dc (see load limit curve). Ambient temperature: 5 °C to + 55 °C. Installation category II, Pollution degree 2.



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CLASS 4828 01

CLASS 4828 81

Series SUPREMA Gas Warning Unit, 256 channel (ordinary locations only), input voltage 24Vdc, 4A or 110-230Vac, 50/60Hz, 2.5A (100W), or battery supply input 24V 4A ; relay contacts 3A @ 250V ac/dc (see load limit curve). Ambient temperature: 5 °C to + 55 °C. Installation category II, Pollution degree 2. Signal input must be connected to CSA certified 4-20 mA performance tested combustible transmitters.

CLASS 4828 02 - SIGNAL APPLIANCES

CLASS 4828 82 - SIGNAL APPLIANCES

Series SUPREMA Gas Warning Unit, 256 channel (ordinary locations only), input voltage 24Vdc, 4A or 110-230Vac, 50/60Hz, 2.5A (100W), or battery supply input 24V, 4A ; relay contacts 3A @ 250V ac/dc (see load limit curve). Ambient temperature: 5 °C to + 55 °C. Installation category II, Pollution degree 2.

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 61010-1-04 - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements

UL Std. No. 61010-1 (2nd Edition) - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements

CSA Std C22.2 No.152-M1984 - Combustible Gas Detection Instruments

ANSI/ISA – 12.13.01-2000 - Performance requirements for combustible gas detectors