



Certificate of Compliance

Certificate: 70005381

Master Contract: 220734

Project: 70210614

Date Issued: March 06, 2019

Issued to: Newson Gale Ltd
Omega House
Private Road 8, Colwick
Nottingham HG4 2JX
England

Attention: Mr. Gary Cawthorn

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and US Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only



Issued by:

Sripriya K
Sripriya Kalyanasundaram

PRODUCTS

CLASS 2258 02 – PROCESS CONTROL EQUIPMENT –For Hazardous Locations

Class I, Div2, Groups A, B, C, D; Class II, Div. 1, Groups E, F, G; Class III, Div. 1

Ex nA[ia Ga] nC IIC T4 Gc

Ex tb IIIC T65°C Db

CLASS 2258 82 – PROCESS CONTROL EQUIPMENT – For Hazardous Locations – Certified to US standards.

Class I, Div2, Groups A, B, C,D; Class II, Div. 1, Groups E, F, G; Class III, Div. 1

Class I, Zone 2, AEx nA[ia Ga] nC IIC T4 Gc

Class II, Zone 21,AEx tb IIIC T65°C Db

Earth-Rite Multipoint II Static Earthing System Power Supply Unit, suitable for use Class I, Div. 2, Groups A, B, C, D; Class I, Zone 2, Group IIC; Class II, Div. 1, Groups E, F, G; Class III, Div. 1; Class II, Zone 21, Group IIIC; Input Rated 120/240 Vac, 50/60 Hz, 200 mA; Um = 250V ; provides intrinsically safe output for Class I, Div. 1, Groups A, B, C, D; Class II, Div. 1, Groups E, F, G; Class III, Div I; Class I, Zone 0, Group IIC; Class II,



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Zone 20; with entity parameters of: $V_{oc}/U_o = 11.76V$, $I_{sc}/I_o = 0.413A$, $P_o = 0.904W$, $C_a/C_o = 1.5\mu F$, $L_a/L_o = 208\mu H$, $L_o/R_o = 29.1\mu H/\Omega$; when installed as per the control drawing 'X MPII Q15152 cCSAus'; $-40\text{ degC} < T_{amb} < +60\text{ degC}$; Temperature Code T4; enclosure Type 4X, IP66 (GRP) or 4X, IP66 (stainless steel).

CLASS 2258 04 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations

Class I, Div. 1, Groups A, B, C, D; Class II, Div. 1, Groups E, F, G; Class III, Div. 1

Ex ia IIC T4 Ga

Ex ia IIIC T135°C Da

CLASS 2258 84 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations

Class I, Div. 1, Groups A, B, C, D; Class II, Div. 1, Groups E, F, G; Class III, Div. 1

Class I, Zone 0, AEx ia IIC T4 Ga

Class II, Zone 20, AEx ia IIIC T135°C Da

Earth-Rite Multipoint II Static Earthing System Monitoring Unit, suitable for use Class I, Div. 1, Groups A, B, C, D; Class II, Div. 1, Groups E, F, G; Class III, Div. 1; Class I, Zone 0, Group IIC; Class II, Zone 20, Group IIIC; with entity parameters of: $V_{max}/U_i = 11.76V$, $I_{max}/I_i = 0.413A$, $P_i = 0.904W$, $C_i = 1.3\mu F$, $L_i = 0$, $U_o/V_{oc} = 11.76V$, $I_o/I_{sc} = 0.170A$, $P_o = 500mW$, $C_i = 0$, $L_i = 208\mu H$, $C_o/C_a = 1.5\mu F$, $L_o/L_a = 1022\mu H$, $L_o/R_o = 68\mu H/\Omega$; when installed as per the control drawing 'X MPII Q15152 cCSAus'; $-40\text{ degC} < T_{amb} < +60\text{ degC}$; Temperature Code T4; enclosure Type 4X, IP66 (stainless steel).

Condition of Acceptability

None.



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APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 0-10 <i>(August 201)</i>	General requirements — Canadian Electrical Code, Part II
CAN/CSA-C22.2 No. 61010-1-12 <i>(May 2012)</i>	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use — Part 1: General Requirements
CAN/CSA-C22.2 No. 60079-0:11 <i>(December 2011)</i>	Explosive atmospheres – Part 0: Equipment – General requirements
CAN/CSA-C22.2 No. 60079-11:14 <i>(February 2014)</i>	Explosive atmospheres – Part 11: Equipment protection by intrinsic safety “i”
CAN/CSA-C22.2 No. 60079-15:12 <i>Third Edition</i>	Electrical apparatus for explosive gas atmospheres – Part 15
CAN/CSA-C22.2 No.213-M1987-2013	Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations
CAN/CSA-C22.2 No. 60079-31:12	Explosive atmospheres- Part 31: Equipment Dust Ignition Protection by Enclosure ‘t’
ANSI/UL 60079-0-2013 Sixth Edition (July 26, 2013)	Explosive atmospheres – Part 0: Equipment – General requirements
ANSI/UL 60079-15-2013	Explosive Atmospheres – Part 15: Type of protection “n”
ANSI/UL 60079-11 – 2013 <i>Sixth Edition (September 6, 2013)</i>	Explosive Atmospheres – Part 11: Equipment Protection by Intrinsic Safety “i”
ANSI/UL 61010-1-2012 <i>Third Edition (May 11, 2012)</i>	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use — Part 1: General Requirements
ANSI/ISA-12.12.01-2013	Non-Incendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous Locations
UL 60079-31-2015	Explosive atmospheres- Part 31: Equipment Dust Ignition Protection by Enclosure ‘t’



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MARKINGS

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.

The following markings shall appear on the product:

- Manufacturer's name or CSA Master Contract Number "220734"
- Model Number as specified in the products section.
- Hazardous location marking as specified in the products section.
- Entity Parameters as specified in the products section.
- Ambient temperature range as specified in the Products section
- Serial Number and Year of manufacture.
- COC number : CSA 15.70005381
- PSU - Warning marking saying 'HAZARDOUS LIVE PARTS- DO NOT OPEN THE ENCLOSURE WHILE ENERGISED'. (Note:- Warning shall also be marked in French). 'PIÈCES SOUS TENSION DANGEREUSES – NE PAS OUVRIR LE BOÎTIER QUAND IL EST SOUS TENSION'.
- MU – Warning marking saying 'Warning: Explosion Hazard – Substitution of components may impair suitability for use in a hazardous location'. (Note:- Warning shall also be marked in French). 'AVERTISSEMENT : LA SUBSTITUTION DE COMPOSANTS PEUT COMPROMETTRE LA SÉCURITÉ INTRINSÈQUE'