CSA INTERNATIONAL

Certificate of Compliance

Certificate: 1746152 **Master Contract:** 203012

Project: 1746152 **Date Issued:** 2006/07/24

Issued to: **ABB Automation Products GmbH**

72 Schillerstrasse
Minden, 32425
Germany
Attention: Mr. Heinz-Juergen Beuger

The products listed below are eligible to bear the CSA Mark shown

Issued by:

Authorized by: Patricia Pasemko, Operations Manager

PRODUCTS

CLASS 2258 02 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations

Class I, Div 2, Groups A, B, C and D; Class II, Div. 2, Groups E, F and G; Class III, Div. 2; Type 4X:

Model 261Ax and 261Gx Series Pressure Transmitters; input rated 9-42 Vdc, 4-20 mA; mounted in Div. 2 location and providing nonincendive circuits for Class I, Div. 2 when installed per installation Dwg. A 05 M 505 V; Max Ambient 85 Deg C; MWP 8704 psi (600 bar) max.

Note: Transmitter case must be connected to supply source ground with either of the following methods:

(a) A separate conductor connecting the Transmitter enclosure to supply source ground.

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(b) Transmitter must be mounted directly on a conductive structure, which is connected to supply source ground.

CLASS 2258 03 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Non-Incendive Systems - For Hazardous Locations

Class I, Div 2, Groups A, B, C and D; Type 4X:

Model 261Ax and 261Gx Series Pressure Transmitters; input rated 9-30 Vdc, 4-20 mA; non-incendive (terminals "+" and "-") with Entity input parameters of: Vmax/Ui = 30V, Imax/Ii = 130mA, Pmax/Pi = 0.8 W, Ci = 10 nF, Li = 0.5 mH; having output terminals (terminals JP1) with entity output parameters of: Voc/Uo = 6.2 V, Isc/Io = 65.2 mA, Po = 101 mW, Ca/Co = 1.4 µF, La/Lo = 5 mH; when installed per installation Dwg. A 05 M 505 V; T-Code T4 @ Max Ambient 85 Deg C; T-Code T5 @ Max Ambient 71 Deg C; T-Code T6 @ Max Ambient 56 Deg C; MWP 8704 psi (600 bar) max.

Note: Transmitter case must be connected to supply source ground with either of the following methods:

(a) A separate conductor connecting the Transmitter enclosure to supply source ground.

(b) Transmitter must be mounted directly on a conductive structure which, is connected to supply source ground.

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

Class I, Div. 1 & 2, Groups A, B, C and D; Class II, Div. 1 & 2, Groups E, F and G; Class III, Div. 1 &2; Type 4X:

Ex ia IIC T4…T6:

Model 261Ax and 261Gx Series Pressure Transmitters; input rated 9-30 Vdc, 4-20 mA; intrinsically safe (terminals "+" and "-") with Entity input parameters of: Vmax/Ui = 30V, Imax/Ii = 130mA, Pmax/Pi = 0.8 W, Ci = 10 nF, Li = 0.5 mH; having output terminals (terminals JP1) with entity output parameters of: Voc/Uo = 6.2 V, Isc/Io = 65.2 mA, Po = 101 mW, Ca/Co = 1.4 µF, La/Lo = 5 mH; when installed per installation Dwg. A 05 M 505 V; T-Code T4 @ Max Ambient 85 Deg C; T-Code T5 @ Max Ambient 71 Deg C; T-Code T6 @ Max Ambient 56 Deg C; MWP 8704 psi (600 bar) max.

NOMENCLATURE

Model 261AS-abcdef and Model 261GS-abcdef:

a = Sensor Span Limits; C, F, L, D, U, R, V

b = Diaphragm Material / Fill Fluid; K, G, S, F, E, A, Z, N, J

c = Process Connection Material / Process Conn.; B, P, S, T, U, V

d = Gasket; 5, 6, 8, N

e = Housing Material / Electrical Connection; 2*, S, T*, 3*, Z*

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f = Output / Options; H, 1

Model 261AC-abcdefghi and Model 261GC-abcdefghi:

a = Sensor Span Limits; C, F, L, D, U, R

b = Diaphragm Material / Fill Fluid; R, 2, 6, 3

c = Size / Mounting Flange Rating; 3, 4, A, D, G, B, E, H, 2, M, P, R, L, Q, S

d = Mounting Flange / Seat Form; E, S, 4, M, N

e = Extension Length and Material; F, 1, 2, 3, 4, 5, 6

f = Diaphragm Material (Process Connection); S, H, T, 1, 2

g = Fill Fluid; S, N, W, L, Y

h = Housing Material / Electrical Connection; 2*, S, T*, 3*, Z*

i= Output / Options; H, 1

Model 261AG-abcdefgh and Model 261GG-abcdefgh:

a = Sensor Span Limits; C, F, L, D, U, R

b = Diaphragm Material / Fill Fluid; R, 2, 6, 3

c = Connection; B, C, D, F, G, J, K, M, N, P, R, S, T, U, Y

d = Diaphragm Material (Process Connection); S

e = Fill Fluid; S, N, W, L, Y

f = Sealing (O-ring); 1, 4, 2

g = Housing Material / Electrical Connection; 2*, S, T*, 3*, Z*

h= Output / Options; H, 1

Model 261AJ-abcdefg and Model 261GJ-abcdefg:

a = Sensor Span Limits; C, F, L, D, U, R, V

b = Diaphragm Material / Fill Fluid (Sensor); R, 2, 6, 3

c = Connection; E, F, G, H, J, K, A, B, C, D

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d = Diaphragm Material (Seal); R

e = Fill Fluid; S, N, W, L, Y

f = Housing Material / Electrical Connection; 2*, S, T*, 3*, Z*

g= Output / Options; H, 1

Model 261AM-abcdefgh and Model 261GM-abcdefgh:

a = Sensor Span Limits; C, F, L, D, U, R, V

b = Diaphragm Material / Fill Fluid (Sensor); R, 3

c = Size / Mounting Flange Rating; A, C, E, K, H, L, T, V

d = Mounting Flange Material / Seat Form; E, 4, N

e = Diaphragm Material (Wetted Parts); S

f = Fill Fluid; S, L

g = Housing Material / Electrical Connection; 2*, S, T*, 3*, Z*

h= Output / Options; H, 1

Model 261AN-abcdefg and Model 261GN-abcdefg:

a = Sensor Span Limits; C, F, L, D, U, R, V

b = Diaphragm Material / Fill Fluid (Sensor); R, 2, 6

c = Connection / Rating; 1, 2

d = Diaphragm Material (Process Connection); S

e = Fill Fluid; S, N, W, L, Y

f = Housing Material / Electrical Connection; 2*, S, T*, 3*, Z*

g= Output / Options; H, 1

Model 261AR-abcd and Model 261GR-abcd:

a = Sensor Span Limits; C, F, L, D, U, R, V

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b = Diaphragm Material / Fill Fluid (Sensor); R, 2, 6, 3

c= Housing Material / Electrical Connection; 2*, S, T*, 3*, Z*

d= Output / Options; H, 1

Note: * Not allowed for the Div. 2 installations under CLASS 2258 02

APPLICABLE REQUIREMENTS

CSA Std C22.2 No. 25-1966 - Enclosures for Use in Class II, Groups E, F and G Hazardous Locations

CAN/CSA-C22.2 No. 94-M91 - Special Purpose Enclosures

CSA Std C22.2 No. 142-M1987 - Process Control Equipment

CAN/CSA-C22.2 No. 157-92 - Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations

CSA Std C22.2 No. 213-M1987 - Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations

CAN/CSA-E60079-0:02 - Electrical apparatus for explosive gas atmospheres - Part 0: General Requirements

CAN/CSA- E60079-11:02 - Electrical apparatus for explosive gas atmospheres - Part 11: Intrinsic Safety "i"

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Supplement to Certificate of Compliance

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The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

Project	Date	Description
1746152	2006/07/24	Model 261 Ax and 261 Gx Series Pressure Transmitters for Hazardous Locations.