



Certificate of Compliance

Certificate: 1859132 (LR 79626)

Master Contract: 160618

Project: 70021898

Date Issued: June 25, 2015

Issued to: ABB Inc.

18321 Swamp Rd
Prairieville, LA 70769
USA

Attention: Fred Ramirez

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



Kerry Barnett

Issued by: Kerry Barnett

PRODUCTS

CLASS 2258 02 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations

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

Model RS85 a.b.c.d.e.f.g.h.i.j.k.l.m.n Vibrating Liquid Level Switch. Input rated: 18-36 Vdc or 120 Vac, 50/60 Hz, 3.5 VA or 240 Vac, 50/60 Hz, 3.5 VA; Relay Contact Rating 8A, 240 Vac; Enclosure Type 4X; Temperature Code T6; Maximum ambient 70°C; Maximum Working Pressure (MWP) 13790 kPa (2000 psi). Single Seal.

Notes:

Model RS85 Option Codes

a. Housing

- A1 Single Compartment Aluminum Housing (Standard)
- A1W Single Compartment Aluminum Housing with Glass Viewing Window
- A2 Dual Compartment Aluminum Housing
- A2W Dual Compartment Aluminum Housing with Glass Viewing Window
- S2 Dual Compartment 316L Stainless Steel Housing
- S2W Dual Compartment 316L Stainless Steel Housing with Glass Viewing Window



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b. Process Connection

P7 3/4" MNPT (Standard)

P1 1" MNPT

B7 3/4" BSPT

B1 1" BSPT

T Tri-Clamp

WP Welded Flange1,2

FL Loose Flange1,2,3

c. Process Connection Material

S6 316SS(Standard)

HC Hastelloy C-276

MO Monel

d. Flange Connection Size/Rating type

X None

10 1 in. Tri-Clamp

15 1.5 in. Tri-Clamp

20 2 in. Tri-Clamp

25 2.5 in. Tri-Clamp

30 3 in. Tri-Clamp

40 4 in. Tri-Clamp

60 6 in. Tri-Clamp

XXX Specify type and size from flange designation table (SLG-0001-1)

e. Sensor Material

S6 316L SS (Standard)

HC Hastelloy C-276



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MO Monel

f. Probe Finish

X Standard Finish
1F 180 grit finish
2F 240 grit finish
EP 240 grit and Electro-polished (316 SS Only)
TN6 Teflon "S" Coated 316SS1,2
HL6 Halar Coated 316SS1,3
TF6 Tefzel Coated 316SS1,2

g. Power

1 18-36 VDC
2 100-136 VAC
3 200-245 VAC

h. Approvals

N2 Factory Mutual Standards (FM) and CSA Explosion Proof

i. Probe Length

086 3-3/8" (86 mm) Standard
111 4-3/8" (111mm) Probe Length
136 5-3/8" (136 mm) Probe Length
EXT Extended Length Probe, must be greater than 7 in. (177.8 mm) up to 84 in. (2133 mm)

j. High Temperature Extension

X None
HT6 6" 316SS High Temperature Extension (>250°F / 121°C up to 350°F / 177°C)

k. Electrical Connection

X None



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MM M20 Conduit Connection Brass

MMS M20 Conduit Connection Stainless

l. Hermetic Seal

X None

HS Hermetic Seal between Probe and Housing (Hastelloy, Stainless Only)

m. Remote Mounted Electronic

X None

R10 Remote Mounted Electronic; 10 ft. (3.048 m)

R20 Remote Mounted Electronic, 20 ft. (6.096 m)

n. Packing Gland

X None

APPLICABLE REQUIREMENTS

CSA Standard C22.2 No. 0-10 - General Requirements - Canadian Electrical Code Part II.

CSA Standard C22.2 No. 0.4-M2004 - Bonding and Grounding of Electrical Equipment (Protective Grounding)

CSA Standard C22.2 No. 0.5-M1982 - Threaded Conduit Entries.

CSA Standard C22.2 No. 25-M1966 - Enclosures for Use in Class II Groups E, F and G Hazardous Locations.

CSA Standard C22.2 No. 30-M1986 - Explosion-Proof Enclosures for Use in Class I Hazardous Locations.

CSA Standard C22.2 No. 94-M1991 - Special Purpose Enclosures.

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

ANSI/ISA-12.27.01-2003 - Requirements for Process Sealing Between Electrical Systems and Flammable or Combustible Process Fluids.