



Member of the FM Global Group

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CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

3776-3abcde. Limit Switch

IS / I / 1 / ABCD / T6 Ta = 60°C - Addendum to EB 8368 EN, pages 1 - 5; Entity
I / 0 / AEx ia IIC / T6 Ta = 60°C - Addendum to EB 8368 EN, pages 1 - 5; Entity
NI / I / 2 / ABCD / T5 Ta = 60°C - Addendum to EB 8368 EN, pages 1-5; NIFW
Class I, Zone 2 / IIC / T5 Ta = 60°C - Addendum to EB 8368 EN, pages 1-5; NIFW

Inductive Pick-ups SC3,5...-N0

Entity Parameters:

V_{max} (Ui) = 16V, I_{max} (Ii) = 25mA, P_{max} (Pi) = 64mW, Ci = 150nF, Li = 150μH
V_{max} (Ui) = 16V, I_{max} (Ii) = 52mA, P_{max} (Pi) = 169mW, Ci = 150nF, Li = 150μH

Nonincendive Field Wiring Parameters:

V_{max} (Ui) = 16V, I_{max} (Ii) = 25mA, P_{max} (Pi) = 64mW, Ci = 150nF, Li = 150μH
V_{max} (Ui) = 16V, I_{max} (Ii) = 52mA, P_{max} (Pi) = 169mW, Ci = 150nF, Li = 150μH

Inductive pick-ups SJ3,5-SN...

Entity Parameters:

V_{max} (Ui) = 16V, I_{max} (Ii) = 25mA, P_{max} (Pi) = 64mW, Ci = 30nF, Li = 100μH
V_{max} (Ui) = 16V, I_{max} (Ii) = 52mA, P_{max} (Pi) = 169mW, Ci = 30nF, Li = 100μH

Nonincendive Field Wiring Parameters:

V_{max} (Ui) = 16V, I_{max} (Ii) = 25mA, P_{max} (Pi) = 64mW, Ci = 30nF, Li = 100μH
V_{max} (Ui) = 16V, I_{max} (Ii) = 52mA, P_{max} (Pi) = 169mW, Ci = 30nF, Li = 100μH

Electric Microswitches

Entity Parameters/Nonincendive Field Wiring Parameters:

V_{max} (Ui) = 45V, I_{max} (Ii) = 115mA, P_{max} (Pi) = 2W, Ci = 0, Li = 0

E/p Binary converter

Entity Parameters/Nonincendive Field Wiring Parameters:

V_{max} (Ui) = 28V, I_{max} (Ii) = 115mA, P_{max} (Pi) = 250mW, Ci = 0, Li = 0

a = Contacts: 1 (Inductive pick-up type SC3,5...-N0), 2 (Inductive pick-up type SJ3,5-SN), 5 (Electric microswitch with silver contact) or 6 (Electrical microswitch with golden contact)
b = Quantity of contacts: 1, 2 or 3.
c = No ex-relevant characteristics.
d = Solenoid valve – nominal voltage: 1 (6VDC), 2 (12VDC) or 3 (24VDC).
e = Electrical connections: M20 x 1.5 (Polyamide) or M20 x 1.5 (Metal).

Special Condition of Use:

The equipment shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of ultimate application, including a tool removable cover.

Equipment Ratings:

Intrinsically Safe electrical apparatus with Entity requirements for use in Class I, Division 1, Groups A, B, C and D; Class I, Zone 0, IIC when installed per Addendum to EB 8368 EN, pages 1 - 5; Nonincendive electrical apparatus with nonincendive field wiring for use in Class I, Division 2, Groups A, B, C and D; Class I, Zone 2, IIC indoor hazardous (classified) Locations

FM Approved for:

Samson AG
D-60314 Frankfurt, Germany

This certifies that the equipment described has been found to comply with the following Approval Standards and other documents:

Class 3600	1998
Class 3610	1999
Class 3611	2004
Class 3810	2005

Original Project ID: 3026958

Approval Granted: *OCTOBER 6, 2006*

Subsequent Revision Reports / Date Approval Amended

Report Number Date

Report Number

Date

FM Approvals LLC



Roger L. Allard
Assistant Vice President

OCTOBER 6, 2006
Date