FM Approvals
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CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

22/06-65. I/P Signal Converter.
IS / I, II, III / 1 / ABCDEFG / T5 - 900842; Entity;
NI / I / 2 / ABCD / T5;
S / II / 2 / G /T5;
S / III / 2 /T5

Entity Parameters:
V_{Max} = 40 V, I_{Max} = 125 mA, C_i = 0, L_i = 1.0 mH.

Special conditions
1. The 22/06-65 shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application.

22/06-6a. I/P Signal Converter.
IS / I, II, III / 1 / ABCDEFG / T5 - 900842; Entity;
NI / I / 2 / ABCD/ T5;
S / II / 2 / G/ T5;
S / III / 2/ T5

Entity Parameters:
V_{Max} = 40 V, I_{Max} = 125 mA, C_i = 0, L_i = 1.0 mH.
a = 6, 7, 8 or 9.

Equipment Ratings:

Intrinsically safe for Class I, II and III, Division 1, Groups ABCDEF& G hazardous (classified) locations in when installed in accordance with the entity concept and drawing, 900842. Temperature classification T5. Nonincendive for Class I, Division 2, Groups ABC & D. Temperature classification T5. Suitable for Division 1 Class III.

FM Approved for:

ABB Automation Products GmbH
Minden, Germany

FM Approvals

Member of the FM Global Group

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

Class 3610	2010
Class 3600	2011
Class 3611	2004

Original Project ID: 0003043782 Approval Granted: March 20, 2014

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date

FM Approvals LLC

J.E. Marquedant
Group Manager, Electrical

20 March 2014
Date

To verify the availability of the Approved product, please refer to www.approvalguide.com

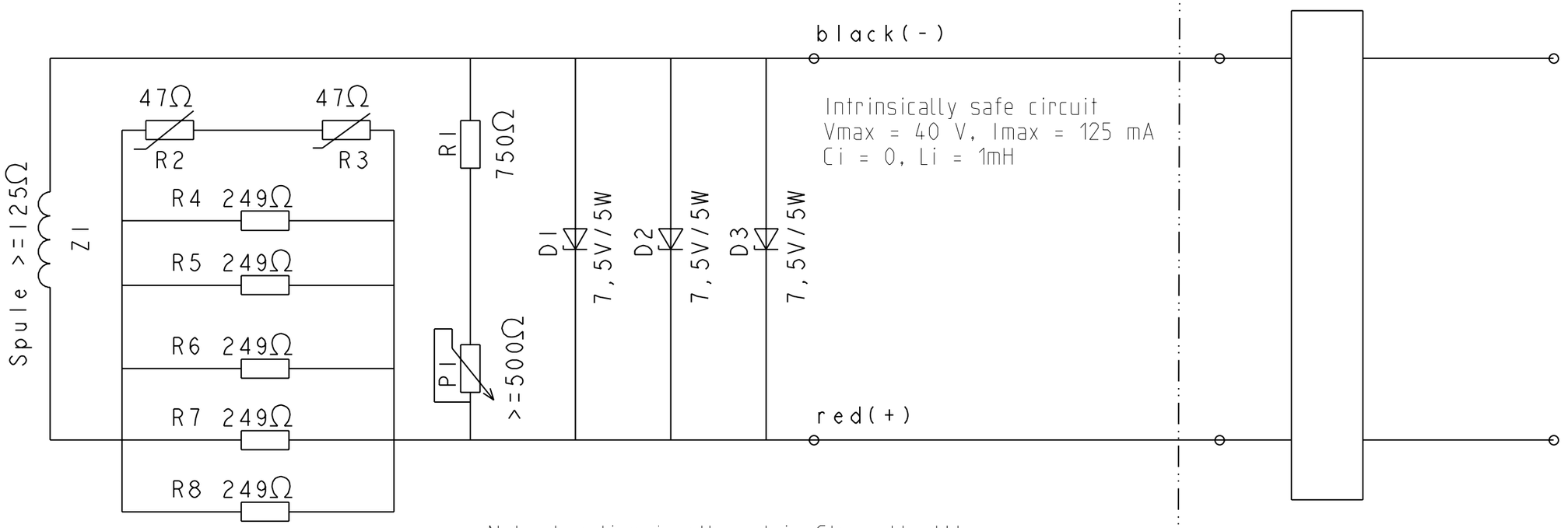
ABB Automation Products

Control Document No. 900842
for I/P-Converter Type 22/06-a

FM Approved

Hazardous Area
Class I Division 1 Groups A, B, C, D

Nonhazardous Area



Note: Location is allowed in Class II, III,
Division 1, Group E, F, G, for models 22/06-66,
22/06-67, 22/06-68, 22/06-69 only.
An approved seal must be used at the enclosure conduit
opening to maintain Intrinsic Safe circuit integrity.

No revision can be made without FM notification

D1...D3
1N5343B or comparable type

Characteristic: direct acting

0(4)...20mA
Entity: Imax = 125mA, Ri according label

Voltage rating of Zener diodes = 7,5V
Power rating of Zener diodes = 5 W

Fit									Surface:
Over-Allowance									
Under-Allowance									WN:

Workpiece edges acc.to DIN 6784 ±0,3 ±0,3 not specified:	Surface Finish DIN ISO 1302	General Tolerances DIN ISO 2768-m-K

Material:

Rev.3 (06.06.2013)

Part-No: WN:

Rev.	Amendment	Date	Name

All Dimensions in mm

	Date	Name
Drawn	07.07.93	Lasarzik
Checked	20.03.00	Neuhaus

ABB Automation

Title: Connection Diagramm
I/P-Converter 22/06-a

Scale:

Drawing No. (Part No): 900842 FM

Sheet: 1/4

Replacement for: _ Category: _

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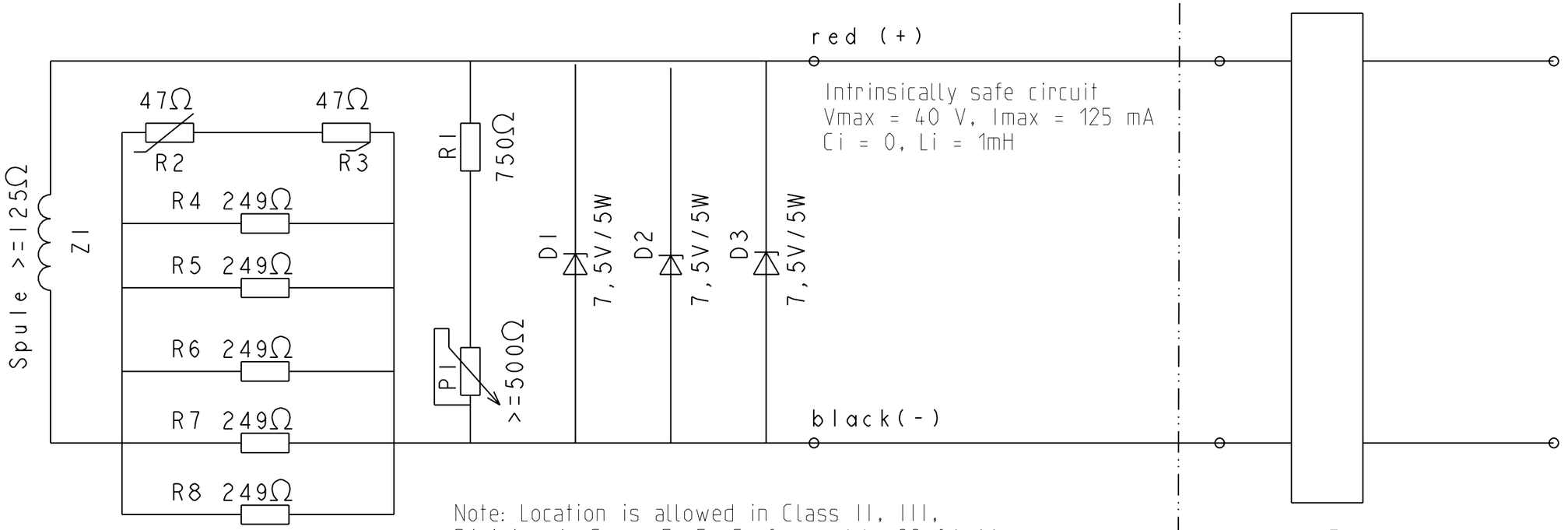
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Hazardous Area
Class I Division 1 Groups A, B, C, D

Nonhazardous Area



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Division 1, Group E, F, G, for models 22/06-66,
22/06-67, 22/06-68, 22/06-69 only.
An approved seal must be used at the enclosure conduit
opening to maintain Intrinsic Safe circuit integrity.

No revision can be made without FM notification

D1...D3
1N5343B or comparable type

Characteristic: reverse acting

20...0(4) mA
Entity: Imax = 125mA, Ri according label

Voltage rating of Zener diodes = 7,5V
Power rating of Zener diodes = 5 W

Fit									Surface:
Over-Allowance									
Under-Allowance									WN:

Workpiece edges acc.to DIN 6784 not specified: ±0,3 ±0,3	Surface Finish DIN ISO 1302	General Tolerances DIN ISO 2768-m-K

Material: Rev.3 (06.06.2013)
Part-No: WN:

Rev.	Amendment	Date	Name

All Dimensions in mm

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ABB Automation

Title: Connection Diagramm
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Scale:

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