CSA INTERNATIONAL

Certificate of Compliance

Certificate: 2305929 **Master Contract:** 250187

Project: 2332613 **Date Issued:** July 29, 2010

Issued to: **ABB STOTZ-KONTAKT GmbH**
Eppelheimer Strasse 82
Heidelberg, Baden-Wurttemberg 69123
Germany

Attention: **Eric Englert**

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

Issued by: K. Atkins

PRODUCTS

CLASS 2258 02 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations

Class I, Division 2, Groups A, B, C, D

Solid State Overcurrent Protectors – Models EPD24- aa-bcd-eA.
Input: 24 V dc, 12A Max. Switched Output for models with -101suffix: 0.5A, 30VDC resistive. Temperature code T5; Ambient temperature 0°C to 40°C.

Where:
aa = TB (indicating rail mounting option)

b = 1 (indicating standard version without physical isolation)

c = 0 (without signal input)

d = 1 (signal output "F" - single signal N/O)

e = Current rating, in Amperes, 0.5, 1, 2, 3, 4, 6, 8, 10, or 12.

CSA INTERNATIONAL

Notes:

1) These devices are OPEN type equipment that must be used within a suitable end-use system enclosure, the interior of which is accessible only through the use of a tool. The suitability of the enclosure is subject to investigation by the local Authority Having Jurisdiction at the time of installation.

2) Wiring to or from these devices, which enters or leaves the system enclosure, must utilize wiring methods suitable for Class I, Division 2 Hazardous Locations, as appropriate for the installation.

3) Electrical spacings within these devices are not specified.

4) The terminals of these devices are suitable for factory wiring only. The suitability of the terminal connections is subject to investigation by the local Authority Having Jurisdiction at the time of installation.

5) These devices have been evaluated with respect to continuous current operation at the rated current levels.

6) These devices have been evaluated for use in a circuit having a capacity of 250 Amperes (1000/V), 250VA. They are intended for use in load circuits of switch mode power supplies, supplying 24V dc.

7) These devices have been evaluated for use in an ambient temperature of 40°C. Suitability for use in higher ambient temperatures is subject to investigation by the local Authority Having Jurisdiction at the time of installation.

8) Rail mounted version of these devices may be used with busbar accessories, part numbers EPD-BB500, and EPD-SB21, in ambient temperatures of 40°C. Suitability for use in higher ambient temperatures is subject to investigation by the local Authority Having Jurisdiction at the time of installation.

9) Temperature testing of devices utilizing the accessory busbars operating at maximum rated current has not been evaluated. Suitability for use in this application is subject to investigation by the local Authority Having Jurisdiction at the time of installation.

10) These devices are designed to trip within the curve characteristics specified by the manufacturer.

11) These devices have not been evaluated for use in Telcom applications. Suitability for use in this application is subject to investigation by the local Authority Having Jurisdiction at the time of installation.

CSA INTERNATIONAL

APPLICABLE REQUIREMENTS

CAN/CSA Standard C22.2 No. 0-M91 *(Reaffirmed 2001)*	General Requirements - Canadian Electrical Code, Part II
CSA Standard C22.2 No. 142-M1987 *(Reaffirmed 2000)*	Process Control Equipment
CSA Standard C22.2 No. 213-M1987 *(Reaffirmed 1999)*	Non-incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations

The following standards were used in whole or in part as a guideline.

CAN/CSA Standard C22.2 No. 14-05 *(March 2006)*	Industrial Control Equipment

MARKINGS

The following markings are laser etched on the side of the polymeric housing:

- Manufacturers name: "ABB", or CSA Master Contract Number "250187", adjacent to the CSA Mark in lieu of manufacturers name.
- Model number, as specified in the PRODUCTS section, above.
- Electrical ratings: "24V dc" or "DC24V" and current rating in Amps, as specified in the PRODUCTS section, above.
- Ambient temperature rating: "0°C ≤ Ta ≤ 40°C", or "0°C to 40°C", or "40°C MAX" (optional marking).
- Manufacturing date in YWWY format, or serial number, traceable to week of manufacture.
- Terminal designations, adjacent to the wiring terminals.
- The CSA Mark, as shown on the Certificate of Conformity.
- Hazardous Location designation: "Class I, Division 2, Group A, B, C, D", or "CL. I, DIV. 2, GP. A, B, C, D".
- Temperature code: "T5" (optional marking).
- The words "WARNING - EXPLOSION HAZARD. Do not connect or disconnect unless power has been removed or the area is known to be nonhazardous", or suitable equivalent.

An installation manual or data sheet shall be supplied with each unit, containing the following minimum marking information:

- Manufacturers name and address
- Electrical ratings: "24V dc, 0.5 to 12A".
- Specification for ambient temperature rating: "0°C ≤ Ta ≤ 40°C", or "0°C to 40°C", or "40°C MAX".
- Specification for the mating busbar interconnect, terminal base (if applicable), or connector, by ABBmodel/part number, or manufacturers name and part number.
- Specification for appropriate wiring to the terminals, including definition of terminal functions, and specification for wire gage range.
- Mounting and installation instructions, including dimensions, and the following words, or equivalent:
  - This device is OPEN type equipment that must be used within a suitable end-use system enclosure, the interior of which is accessible only through the use of a tool. The suitability of the enclosure is subject to investigation by the local Authority Having Jurisdiction at the time of installation.
  - Wiring to or from this device, which enters or leaves the system enclosure, must utilize wiring methods suitable for Class I, Division 2 Hazardous Locations, as appropriate for the installation.
- The following words:
  - This equipment is suitable for installation in Class I, Division 2, Group A, B, C, D hazardous locations or nonhazardous locations only.
  - WARNING - Explosion Hazard. Do not connect or disconnect this equipment unless power has been removed or the area is known to be nonhazardous.
  - WARNING - Explosion Hazard. Substitution of components may impair suitability for Class I, Division 2.

Note - Jurisdictions in Canada may require these markings to also be provided in French language. It is the responsibility of the manufacturer to provide bilingual marking, where applicable, in accordance with the requirements of the Provincial Regulatory Authorities. It is the responsibility of the manufacturer to determine this requirement and have bilingual wording added to the "Markings".