

# MSCDN – MP2A

Capacitor unbalance protection

## Document Release History

This document is issue 2010/02. The list of revisions up to and including this issue is:  
Pre release

2010/02	Document reformat due to rebrand
21/02/2003	R1 First version

## Software Revision History

26/02/2003	2621H80002R9	
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## 1. Maintenance Instructions

The MSCDN-MP1, MP2A and MP2B relays are maintenance free relays, with no user serviceable parts. During the life of the relays they should be checked for operation during the normal maintenance period for the site on which the product is installed. It is recommended the following tests are carried out:

- 1 Visual inspection of the metering display (every year)
- 2 Operation of output contacts (every 2 years)
- 3 Secondary injection of each element (every 5 years)

## 2. Defect Report Form

### Form sheet for repairs and returned goods (fields marked with \* are mandatory fields)

Sender:

* Name, first name:	Complete phone number (incl. country code):	Complete fax number (incl. country code):
Email address:	* Org-ID and GBK reference:	* AWV:

**\* Order-/ reference-no (choosing at least 1 option):**

Order-no for repair:	order-/ delivery note-no for return of commission failure:	Beginning order-no for credit note demand:
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**Information concerning the product and its use:**

* Order Code (MLFB):	Firmware version: V	* Serial number:	
* Customer:	Product was in use approximately since:	Station/project:	Hotline Input no.:
Customer original purchase order number:	Delivery note number with position number:	Manufacturer:	

**\* Type of order (choosing at least 1 option):**

<input type="checkbox"/> Repair	<input type="checkbox"/> Return of commission failure	<input type="checkbox"/> Credit Note
<input type="checkbox"/> Upgrade / Modification to ...	<input type="checkbox"/> Warranty repair	<input type="checkbox"/> Quotation (not repair V4 and current products! See prices in PMD)
	<input type="checkbox"/> For collection	

**Type of failure:**

<input type="checkbox"/> Device or module does not start up	<input type="checkbox"/> Mechanical problem	<input type="checkbox"/> Overload
<input type="checkbox"/> Sporadic failure	<input type="checkbox"/> Knock sensitive	<input type="checkbox"/> Transport damage
<input type="checkbox"/> Permanent failure	<input type="checkbox"/> Temperature caused failure	<input type="checkbox"/> Failure after ca <input type="text"/> hrs in use
<input type="checkbox"/> Repeated breakdown	<input type="checkbox"/> Failure after firmware update	

**Error description:**

<input type="checkbox"/> Display message: (use separated sheet for more info)	<input type="text"/>
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Active LED messages: \_\_\_\_\_

Faulty Interface(s), which? \_\_\_\_\_

Wrong measured value(s), which? \_\_\_\_\_

Faulty input(s)/output(s), which? \_\_\_\_\_

**\*Detailed error description (please refer to other error reports or documentation if possible):**

**\* Shall a firmware update be made during repair or mechanical upgrade of protective relays? (choosing at least 1 option)**

Yes, to most recent version     
  No     
  Yes, actual parameters must be reusable

**repair report:**

Yes, standard report (free of charge)     
  Yes, detailed report (charge: 400EUR)

**Shipping address of the repaired/upgraded product:**

Company, department \_\_\_\_\_

Name, first name \_\_\_\_\_

Street, number \_\_\_\_\_

Postcode, city, country \_\_\_\_\_

Date, Signature \_\_\_\_\_

Please contact the Siemens representative office in your country to obtain return instructions.