

Technical Information	Date: 30.3.2015 Official: Friebe Department.: ST-IN/MKA-EU
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Tech. Information No.	1918 / 2015
Subject:	ModularAlarmPlatform 5000

Short Description:	MAP5000: Power Supply with permanent Ground Fault
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Hardware <input checked="" type="checkbox"/>	<input type="checkbox"/> Device	<input type="checkbox"/> Module	<input checked="" type="checkbox"/> PCBA
Software <input type="checkbox"/>	<input type="checkbox"/> Application	<input type="checkbox"/> Driver / Extension	<input type="checkbox"/> Firmware

Affected Products (details)	CTN	SAP no.	Aff. version	New version
MAP Power Supply	IPP-MAP0005-2	F.01U.245.558		

Number of delivered devices		
Period of delivery	from:	to:
Affected serial numbers	from:	to:

Priority Level	Criterion
I	<input type="checkbox"/> The change has to be made immediately (see dates below)
II	<input checked="" type="checkbox"/> The change has to be made during the next inspection.
III	<input checked="" type="checkbox"/> Change has to be made, if the error pattern recurs and with new installations.
None	<input type="checkbox"/> General Information (like new tool, new feature, new SW release)

Action Plan	
<input type="checkbox"/>	Inform customers
<input type="checkbox"/>	Arrange re-work of stock (NSO)
<input type="checkbox"/>	Arrange re-work of stock (customer)
<input type="checkbox"/>	Arrange re-work of installed products
<input checked="" type="checkbox"/>	See detailed actions on following pages

Start Date		Completion Date	
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Error(s) and Effect(s)
<p>[EN] Ground Fault message in a MAP5000 system cannot be cleared. [DE] Eine Erdschluss Meldung in einer MAP5000 Anlage kann nicht rückgesetzt werden.</p>

Cause
<p>[EN] Possible reason: A short between two components on the bottom side of the Power Supply pcb caused by too much solder in between. This leads to a short between 0V and ground. [DE] Mögliche Ursache: Kurzschluss zwischen zwei Bauteilen auf der Unterseite der Netzteilleiterplatte durch zu viel Zinn zwischen den Bauteilen.</p>

Action(s)
<p>[EN] A) In new installations: Before the installation of a power supply use a multimeter and check for a possible short between AC terminal pin 1 (Ground) and BDB A or B terminal pin B. Result: $\infty \Omega$ = o.k., 0Ω = power supply must be replaced. B) In existing installations within next inspection: For all power supplies with not activated ground fault detection. Use a multimeter and measure DC voltage between AC terminal pin 1 (Ground) and BDB A or B terminal pin B. Result: $\sim 1.85 \text{ VDC}$ = o.k., 0 VDC = dismount power supply and follow steps according A). [DE] A) Bei Neuinstallationen: Vor der Montage des Netzteiles muss mit Hilfe eines Multimeters auf einen möglichen Kurzschluss zwischen dem 230V-Anschluss Pin 1 (Erde) und dem BDB A oder B Anschluss Pin B gemessen werden. Ergebnis: $\infty \Omega$ = o.k., 0Ω = Netzteil muss ersetzt werden. B) Bei bestehenden Installationen innerhalb der nächsten Wartung: Bei allen Netzteilen, bei denen die Erdschlussüberwachung nicht aktiviert ist, muss mit Hilfe eines Multimeters die Gleichspannung zwischen dem 230V-Anschluss Pin 1 (Erde) und dem BDB A oder B Anschluss Pin B gemessen werden. Ergebnis: $\sim 1.85 \text{ VDC}$ = o.k., 0 VDC = bauen Sie das Netzteil aus und folgen Sie den Schritten gemäß A).</p>

Required Components	Part no.

Attachment(s)
<p>[EN] The replacement shall be done via ST/ASA with mentioning the TI-No. 1918/2015. [DE] Der Austausch erfolgt über ST/ASA unter Angabe der TI-Nr. 1918/2015.</p>

BU Manager	Borden ST-IN/ENG1	Clerk in Charge:	Friebe ST-IN/MKA-EU
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Distribution

Distribution BU FIR	<input type="checkbox"/> Celebi Guenay (ST-FIR/QMM), Knauel Thomas (ST-FIR/MKP ST-FIR/MKT), Heckl Michael (ST-FIR/MKP3), Kriegbaum Kurt (ST-FIR/QMM) <input type="checkbox"/> Angstenberger Josef (ST-FIR/MKR-EU) <input type="checkbox"/> Lim Yong Gang (ST/SRM-AP), Leonard Hew (ST-FIR/MKR-AP), Quek Daniel (ST-CO/MKR2-AP) <input type="checkbox"/> Squarize Alex (ST/SRM-LA), Pinto Erik (ST/STS-LA ST-ASA/SRA-LA), Gundlach Daniel (ST/SRM-NA ST/SBV1-NA) <input type="checkbox"/>
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Other parties affected	<input checked="" type="checkbox"/> Steidle Kurt (ST-ASA/PRM1) <input type="checkbox"/> Proyer Konrad (ST-ASA/SRA-EU), Schrimpf Felix (ST-ASA/PRM), Wilson Jim (ST-ASA/SRA-AM), Tan Woo Khiang (ST/ASA-AP) <input checked="" type="checkbox"/> Pedolzky Georg (ST-BT/PRM1) <input type="checkbox"/> <input type="checkbox"/>