Technical Information	Date: 13.10.2016 Official: Heckl, Michael Department.: ST-FIR/MKP3

Tech. Information No.	2044 / 2016
Subject:	LSN 0300 A and LSN 1500 A Module

Short Description:	Problems in loops with TTap

Hardware	☒	☐ Device	☒ Module	☐ PCBA
Software	☐	☐ Application	☐ Driver / Extension	☐ Firmware

Affected Products (details)	**CTN**	**SAP no.**	**Aff. version**	**New version**
LSN0300	LSN 0300 A	4.998.137.277	1.0.53	1.0.53
LSN1500	LSN 1500 A	4.998.137.278	1.0.53	1.0.53
FPA-1200-C-APR		F.01U.275.086		

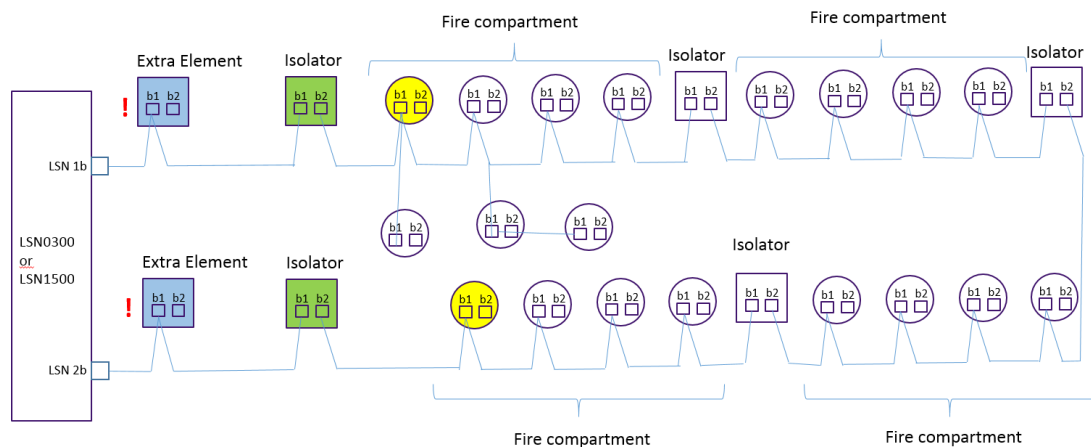| **Priority Level**		**Criterion**
I	☐	The change has to be made **immediately** (see dates below)
II	☐	The change has to be made during the next inspection.
III	☒	Change might have to be made with new installations.
None	☐	General Information (like new tool, new feature, new SW release)

Action Plan	
☒	Inform customers
☐	Arrange re-work of stock (NSO)
☐	Arrange re-work of stock (customer)
☐	Arrange re-work of installed products
☒	See detailed actions on following pages

Cause
In some TTap configurations, a line interruption ("open") on the loop can lead to a loss of the function of one or more peripherals on this loop. A trouble message will be indicated for each peripheral.

Action(s)

Print out of this template is not subject of the updating service. Only the version in the Intranet is always up to date.

F901 / A14 Technical_Information   03.06.2015   Page 1 of 3

Following process shall be applied for new installations:

To avoid losing elements in case of an "open" condition, additional elements need to be installed on the loop. This is shown in the following picture:

The elements shown in green and blue are the additional elements.

It is important to wire the colored elements exactly as shown in the diagram.

The blue extra elements must be installed as TTap, which means to connect both the incoming and the outgoing b wire to b1.

The green isolators must be installed so that one b wire is attached to b1 and the other to b2.

The yellow elements (detectors) are mandatory parts of this solution. They must be wired in a TTap (incoming and outgoing b lines attached to b1).

As long as the blue, green, and yellow elements are placed and connected as shown here, the rest of the topology can be chosen at will. Do not insert any other elements in the sequence of the colored elements.

The blue and green elements can be of any LSN element type as long as they are not easily removable. This means that they definitely should not be detectors in sockets. They can be manual call points, sounders, or interface modules.

The LSN-a wire must be connected as always. Incoming and outgoing LSN-a wires are always directly connected to each other.

This solution does not support condition monitoring.

Required Components	Part no.

Attachment(s)

BU Manager	Knauel, Thomas	Clerk in Charge:	Heckl, Michael

Print out of this template is not subject of the updating service. Only the version in the Intranet is always up to date.

F901 / A14 Technical_Information   03.06.2015

Page 2 of 3

Distribution

Distribution BU FIR	☒ Celebi Guenay (ST-FIR/QMM), Knauel Thomas (ST-FIR/MKP ST-FIR/MKT), Heckl Michael (ST-FIR/MKP3)
	☒ Angstenberger Josef (ST-FIR/MKR-EU)
	☒ Lim Yong Gang (ST/SRM-AP), Leonard Hew (ST-FIR/MKR-AP), Quek Daniel (ST-CO/MKR2-AP)
	☒ Squarize Alex (ST/SRM-LA), Pinto Erik (ST/STS-LA ST-ASA/SRA-LA), Render Chelsea (ST/SRM-NA)
	☐

Distribution BU IN	☐ Hossmann Daniela (ST-IN/MKR-EU), Kugler Gerhard (ST-IN/MKR2-EU), Endres Dirk (ST-IN/QMM)
	☐ Berberian Alexandra (ST-IN/MKR-SEF), Tantry Ananth (ST-IN/MKR-SEM), Karlsson Mathias (ST-IN/MKR-SEN), Rodriguez Herrero Jose Manuel (ST-IN/MKR-SEI), Oppab Maria (ST-IN/MKR-SAN), Malek Michal (ST/MKR-SEP)
	☐ Mechler Tom (ST-IN/MKR-NA)
	☐

Distribution BU ESS	☐ Loh Leon (ST-ESS/MKP1.4), Maier Holger (ST-ESS/MKP1.2), Wings Maarten (ST-ESS/MKP1.3), Redeker Bernd (ST-ESS/QMM), Jan von Rosenstiel (ST-ESS/MKP1.1), Reinhard Bloss (ST-ESS/MKP1)
	☐ Funke Thomas (ST-ESS/ENG)
	☐ Nikolas Mangold-Takao (ST-ESS/MKP1), Jaco Liebetrau (ST-ESS/MKT)
	☐ Markus Brack (ST-ESS/MKP2.3), Huse Istvan (ST/PRM2-EU), Law Jeffrey (ST/PRM1-AP)
	☐ Gary Deng (ST-PRM-CN), James Judson (ST-IN/MKR-NA)
	☐

Other parties affected	☒ Steidle Kurt (ST-ASA/PRM1)
	☒ Proyer Konrad (ST-ASA/SRA-EU), Schrimpf Felix (ST-ASA/PRM), Wilson Jim (ST-ASA/SRA-AM), Tan Woo Khiang (ST/ASA-AP)
	☒ Pedolzky Georg (ST-BT/PRM1)
	☐
	☐