



Product Alert for Siemens AG – DI FA SIMATIC ET 200SP System, Digital Input Module

August 17, 2022

Type of Notification: Performance/Safety Related Concern

FM Approvals has been made aware by Siemens AG of a potential safety related hazard caused by a manufacturing defect in the SIMATIC ET 200SP 4x 120..230VAC ST (6ES7131-6FD01-0BB1) Digital Input Module.

Company Identity: Siemens AG – DI FA

Address: Gleiwitzer Strasse 555, D-90475 Nuremberg, Germany

Contact Information: Sebastian.nickel@siemens.com, Tel. +49 (911) 895-7133

Product Identity: SIMATIC ET 200SP 4x 120..230VAC ST

Description: Digital Input Module for the ET 200SP System

Make/Model: 6ES7131-6FD01-0BB1

FM Approval Status: FM Approved for Hazardous Locations (US & Canada)

USA: FM16US0053X

Canada: FM16CA0029X

Hazard Involved: The product in question is a Digital Input Module intended to provide isolation between hazardous live and non-hazardous live voltages. It has been determined that due to a manufacturing defect, the required isolation may not be provided, leading to a potentially lethal risk of electric shock and/or a risk of equipment damage.

If you suspect you are in possession of the referenced Digital Input Modules bearing the FM Approvals certification marking, please follow the process indicated in the attached Siemens AG – DI FA product safety bulletin.

Antonio L. Pires

FM Approvals, Quality Department

Norwood, MA, USA

+1 (1)781 255 4825

Email: antonio.pires@fmapprovals.com



Figures 1 & 2 – Pictures of SIMATIC ET 200SP, Digital Input Module

Flyer - Product Safety Information
SIMATIC ET 200SP DI 4x 120..230V AC
 DI FA S IP&O OP – Claim Management Office

SIEMENS

Product Safety Information

SIMATIC ET 200SP DI 4x 120..230V AC ST - 6ES7131-6FD01-0BB1

Background:

Due to a supplier quality issue at the circuit board of affected DI modules, the affected products do not comply with normative requirements regarding safe electrical isolation. The required distances to ensure the safe electrical separation between the DC24V and the AC230V is 3.42mm on the outer layers and 0.4mm in the inner layers of the circuit board. Due to the "bubble formation" inside the printed circuit board, there is no longer any solid insulation by the PCB material given and the voltage creepage distance as on the outer layers must be maintained for the necessary dielectric strength.

→As a result, contacts with dangerous voltage can occur in individual cases in the customer installation. This can result in damage to equipment and personal injury.

Shipping information:

EC Nuremberg and regional stocks were blocked -> partially returned to EWA for scrapping.
DI FA delivered between November 2021 to July 2022 4569 pieces into 28 countries.
Out of this amount in total 3595 are affected and need to be returned.
Production of free of faults products restarted middle of July 2022.

Measures:

DI FA will send Product Safety Information to affected regions in CW29/2022. Affected modules need to be replaced to spare parts from actual production (serial band C-P7xxxx onwards). Customers need to check affected products with the SIOS-App to identify and return affected products. The availability of new parts at EC Nürnberg (Org.-ID AV000624) is planned by mid/end July 2022. Due to the current delivery situation, you must place the corresponding orders in the spare part warehouse AV001980 with keyword "FA-AMBWVS50-00084" in the stop text field (COI3-/N text field).



Product Safety Information

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Potentially affected modules can be identified in the Industry Online Support App. In the menu "Menu>myTools>Customer Support Action" of the Industry Online Support App V5.3, affected modules can be scanned and checked.

Message when "Affected":

Notice

A customer support action exists for this product (Reference: FA-AMBWVS50-00084). If you have any questions, please contact your salesperson, sales or internal contact person.

-> **Module must be replaced!**

Message when „Not Affected“:

Result

There is no information available on this product.

-> **No further action required!**





Sebastian Nickel
DI FA S IP&O OP

+49 (911) 895-7133

+49 (172) 3636098

sebastian.nickel@siemens.com