

ELSP SAFETY PRODUCTS

# Product change notification

## Tina info output delay

### PCN Details

PCN Document No.	2TLC010034J0201	Date of PCN:	2021-09-27
PCN issued by:	Elias Agrell	PCN valid as of:	2022-01-01
Product Manager:	Gustav Örnstedt	Obsolescence Date:	
R&D Manager:	Lars-Magnus Felth	Change Date:	2022-01-01
Products impacted:	Tina 3, Tina 7		
Impact on Form/Fit/Function:	<input type="checkbox"/> Form <input type="checkbox"/> Fit <input checked="" type="checkbox"/> Fctn	Impact on reliability:	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N

Dear Valued Customer

The purpose of this communication is to inform you of an upcoming change to the following products. This change is part of our effort and commitment to continuous improvement of our products and our processes.

#### Description of Change

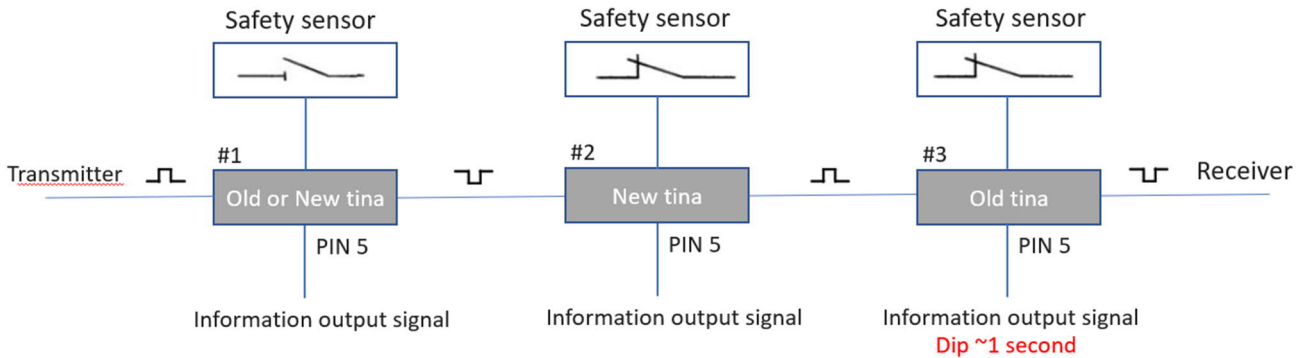
The affected products are used to adapt conventional safety sensors where the safety relies on e.g., one or two-channel static signals, or short circuit detection, to the dynamic safety circuit.

Note! The change only affects the non-safe information output signal and does not concern the safety circuit.

The non-safe information output signal is located on pin 5 on the affected products. The signal goes low when the safety sensor connected to it is deactivated and enters a safe state (e.g., an emergency stop).

Users of the products can experience that the information output signal goes low for ~1 second despite that the safety sensor is active. This phenomenon can in some cases occur if new products (produced 2022 or after) are mixed with old products (produced before 2022) in the same safety loop.

The phenomenon will occur if a Tina (#1) is deactivated by its safety sensor, which is followed by a new Tina (#2) and an old Tina (#3). Then the old Tina (#3) and the rest (#4 to #30) after in that loop will have the ~1 second dip in the information output signal.



#### Customer Impact of Change and Recommended Action

Customers are recommended to analyze the dip/loss off the information signal in their application, when replacing old products with new products. If this behavior affects the application in a negative way can the solution be to:

- Apply a 1,5 second off delay filter on the receiver (e.g., PLC) of the information signal.
- Replace all old products in the safety loop with new products.
- Place all old Tina first in the safety loop, and the new Tina in the end.

#### Reason for Change

The products have been updated to comply with the latest standards and directives. The new products are fully compatible with the old products except for this deviation that could not be resolved due to technical constraints in the design of the old range.

#### Product Identification

2TLA020054R0200 Tina 3A Adapter unit  
 2TLA020054R1400 Tina 3A PS Adapter unit  
 2TLA020054R0700 Tina 7A Adapter unit

New and old Tina can be distinguished by the UKCA-marking; New Tina has it printed on its housing and old Tina does not have it.



Customer acknowledgement

Customers are requested to acknowledge this notification within 10 days of its issue date. Lack of response with 30 days of PCN release will constitute an acceptance of the change.

Please contact ABB if you have any issues with this PCN or require additional information.

Customer: \_\_\_\_\_

Name: \_\_\_\_\_ Title: \_\_\_\_\_ Phone: \_\_\_\_\_

Email: \_\_\_\_\_

Customer comments: \_\_\_\_\_

Customer signature: \_\_\_\_\_ Date: \_\_\_\_\_

Date 2021-09-27

Global Product Management  
ABB Safety Products