

Product change notification (PCN)

Title / short description	Integration of the remote reset function and improvement of capacity/short-circuit detection
Affected article category	Power supplies and UPS
Change category	Function
Change number	CCM230203-00
Reason for PCN/PDN Revision	

Purpose/objective of the change

Remote reset mode is being implemented to reset triggered channels electronically without the IO-Link interface. In addition, capacity and short-circuit detection is being further improved to ensure higher system availability.

Detailed description of the change

Remote reset:

By applying a falling edge (24 V DC ... 0 V DC) to the contact 5.2 (C/Q), all channels that are in the "Ready to restart" state are switched on (see Fig. 1). The maximum voltage to be applied is 28 V DC and the switching threshold is 4.5 V DC. The equipotential bonding of a possibly floating voltage can be established via a common 0 V DC potential at connection 5.3 (L-).

Capacity and short-circuit detection:

The differentiation between capacities and short circuits at the output channels has been improved to prevent unintentional shutdown. The possible combinations of ohmic and capacitive loads are shown in Fig. 2.

Identifying characteristics

Remote reset:

If the remote reset function is used, the IO-Link interface cannot be used for the period. Switching between IO-Link mode and remote reset mode requires a previous device restart.

Capacity and short-circuit detection:

Unintentional triggering of the channels with very difficult loads (capacitive component in combination with ohmic component) is avoided. Higher system availability is therefore achieved.

Start of Production (SOP)	-	Last Time Delivery (LTD)	-
Effective date (EOP)	2024-02-20	End of Service (EOSR)	-
End of Sales (EOS)	-		

Short-term change (< 6 months) or discontinuation (< 12 months), due to:

- | | | |
|---|--|--|
| <input type="checkbox"/> Software / Firmware Bugfix | <input type="checkbox"/> Short-term delivery stop by supplier | <input type="checkbox"/> Short-term recall by supplier |
| <input type="checkbox"/> Force majeure | <input checked="" type="checkbox"/> Product improvement with customer benefits | |
| <input type="checkbox"/> Others | | |

Attachments

- CCM230203_Remote Reset Mode.png
- Screenshot 2024-01-12 114624.png
- Material_list.csv
- PCN-CCM230203-00_DE
- PCN-CCM230203-00_EN

Material list

Item no.	Item Type	Hardware / Firmware		Item no.	Substitute item Type
		old	new		
1252696	TRIO3-PS/1AC/24DC/10/4C/IOL	01	02		
1252697	TRIO3-PS/1AC/24DC/20/8C/IOL	02	03		