



Check list: PNOZplus – PNOZmulti Mini

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Application examples for replacing the discontinued safety system PNOZplus with the configurable small control system PNOZmulti Mini

April 2014 Issue



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SD means Secure Digital

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Check list PNOZplus - PNOZmulti Mini

The PNOZplus product range will be discontinued on 31 October 2014 due to the availability of spares and technical progress. PNOZplus units can be replaced by the configurable small control system PNOZmulti Mini. PNOZmulti Mini is as simple as a safety relay, but as flexible as a control system. Online information on PNOZmulti Mini at www.pilz.com, web-code10517.

The following list of units from the PNOZmulti Mini product range intended to replace units discontinued from the PNOZplus range serves as a recommendation. You will need to check the listed replacements based on the specific application to ensure they are suitable for use in an application. We will be happy to advise you with regard to an alternative solution for your application.

You can reach our international hotline on: +49 711 3409-444.

E-Mail: support@pilz.com

Check list

PNOZplus discontinued version		Replacement for PNOZmulti Mini	
Order no.	Unit	Order no.	Unit
774600	PNOZ XM1 24VDC 4n/o 1n/c 2so	772001	PNOZ mm0.1p ²⁾
774620	PNOZ XE1 24VDC	772001 + 751110 (with spring-loaded terminals) + 750110 (with plug-in screw terminals)	PNOZ mm0.1p ²⁾ + PNOZ s11 (with spring-loaded or plug-in screw terminals)
774621	PNOZ XE2 24VDC	772001	PNOZ mm0.1p ²⁾
774630	PNOZ XM1.1 24VDC 4n/o 1n/c 2so	772001	PNOZ mm0.1p ²⁾
774660	PCANop 24VDC	772034	PNOZ mmc6p CAN ^{1) 2)}
774662	PCANdn 24VDC	772033	PNOZ mmc4p DN ^{1) 2)}
874640	PDIA 1 24VDC RS-232	Please contact Pilz about a successor unit	
874645	PDIA 2 24VDC PLC-Interface		
307415B	PDIA 2 Driverdisk		

¹⁾ in conjunction with PNOZ mm0.1p

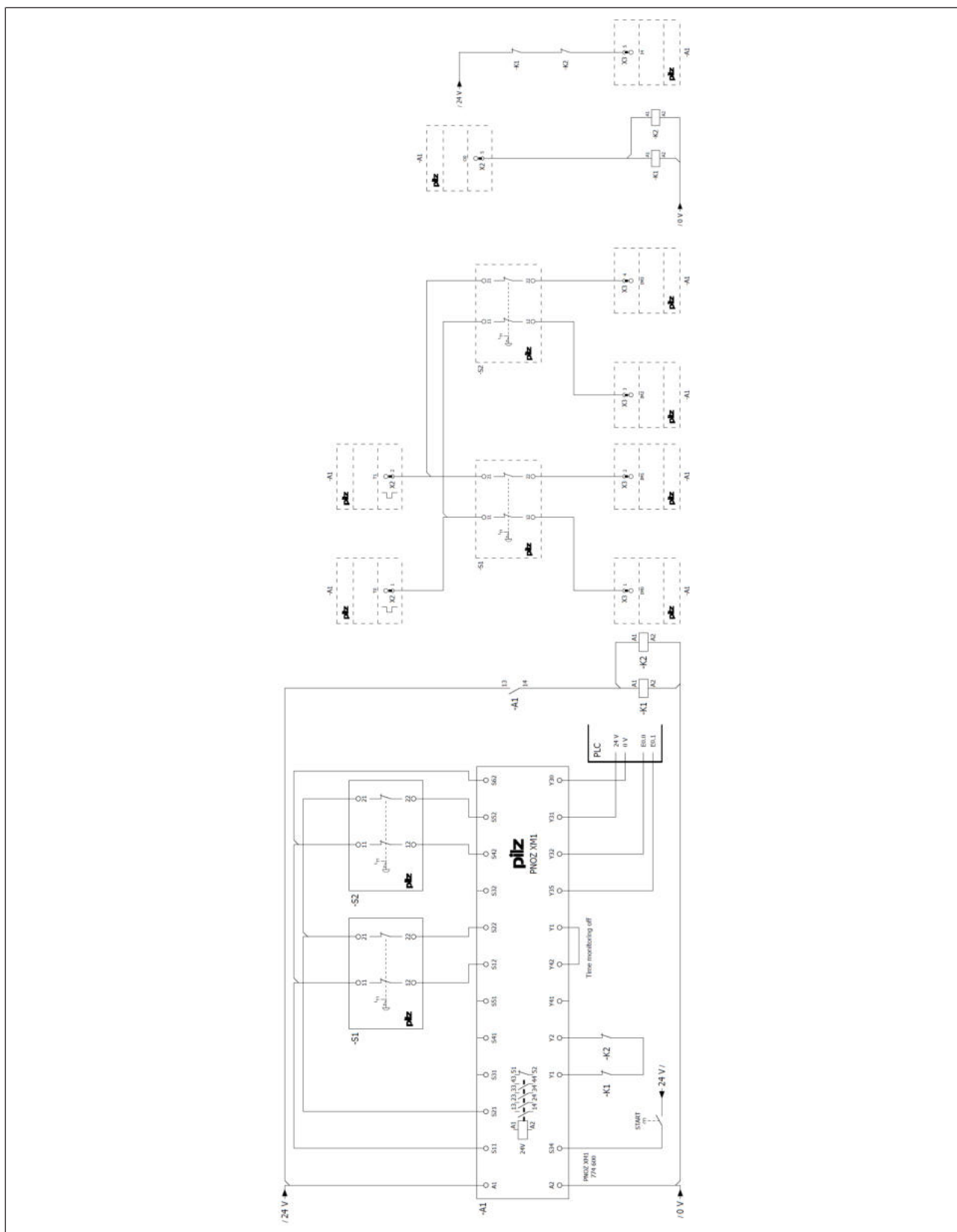
²⁾ corresponding accessories in the table below

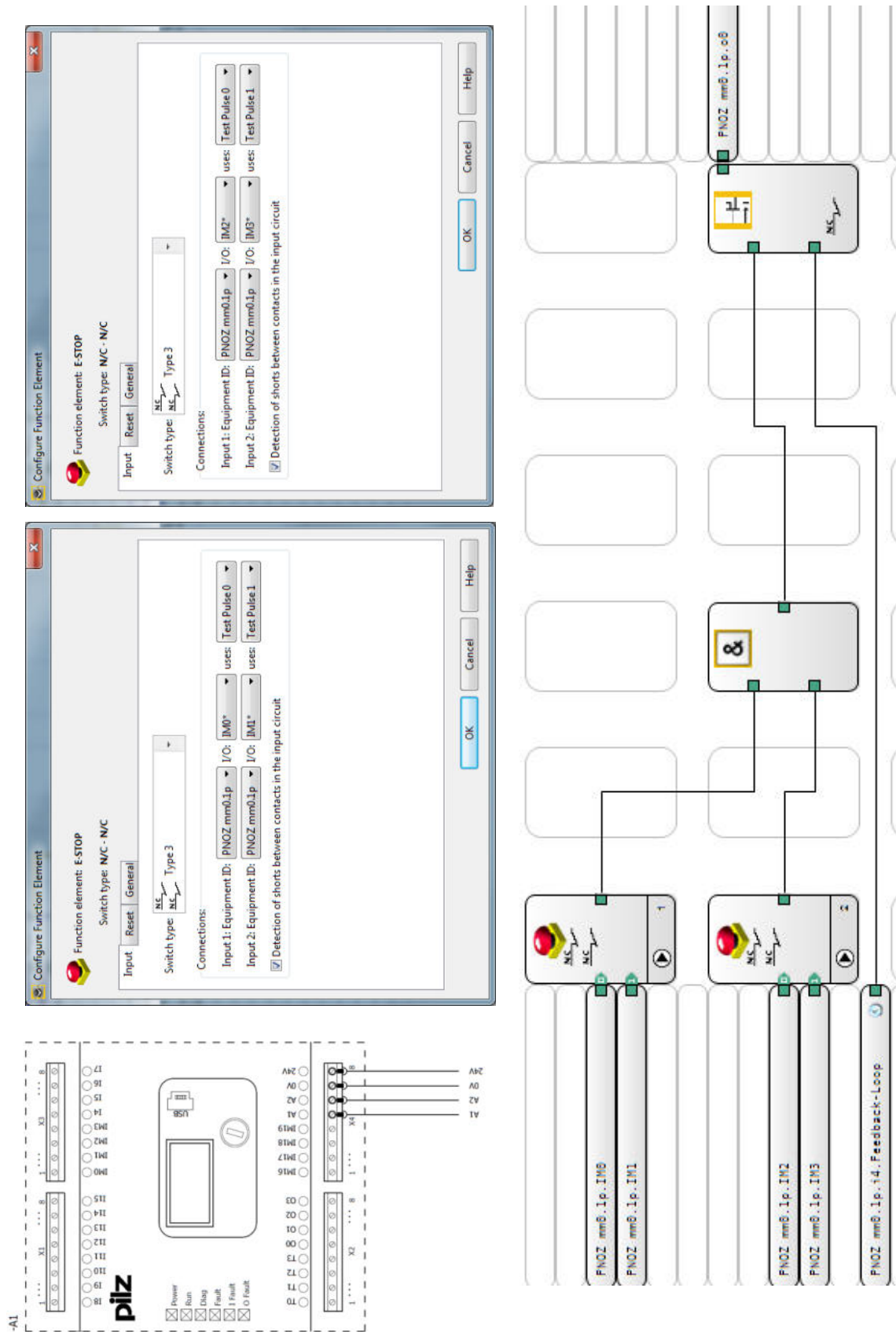
Accessories replacement unit

Description		Order no.
1 set of spring-loaded terminals	For PNOZ mm0.1p	751008
1 set of plug-in screw terminals		750008
1 set of spring-loaded terminals	For PNOZ mmc6p CAN and PNOZ mmc4p DN	783542
1 set of plug-in screw terminals		793542
Mini USB cable, 3 m		312992
Mini USB cable, 5 m		312993
Chip card 8 kByte, 1 pieces		779201
Chip card 32 kByte, 1 pieces		779211
DVD Software PNOZmulti Configurator		773000D
Basic licence PNOZmulti Configurator		773010B

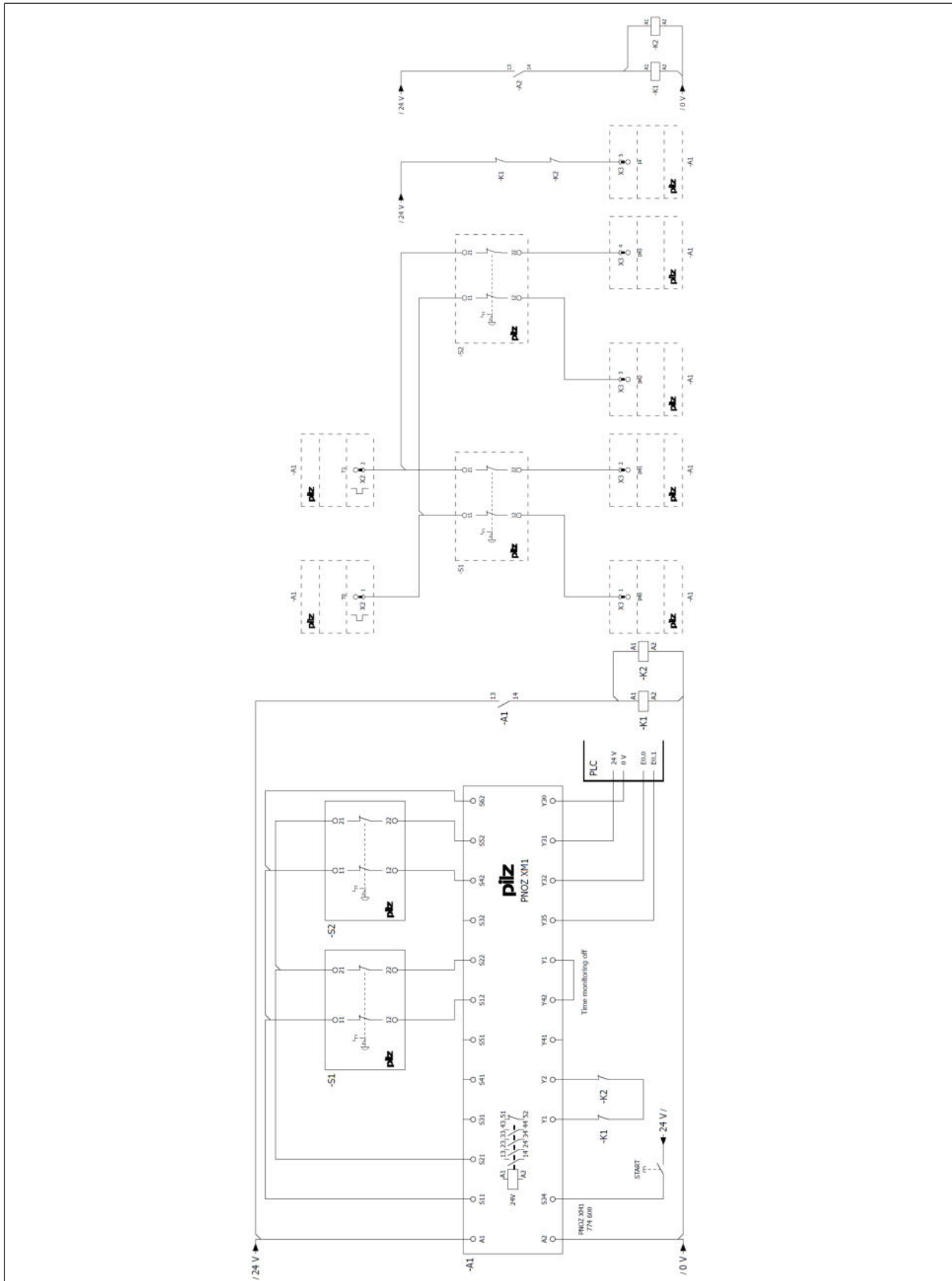
Application examples showing terminal comparisons

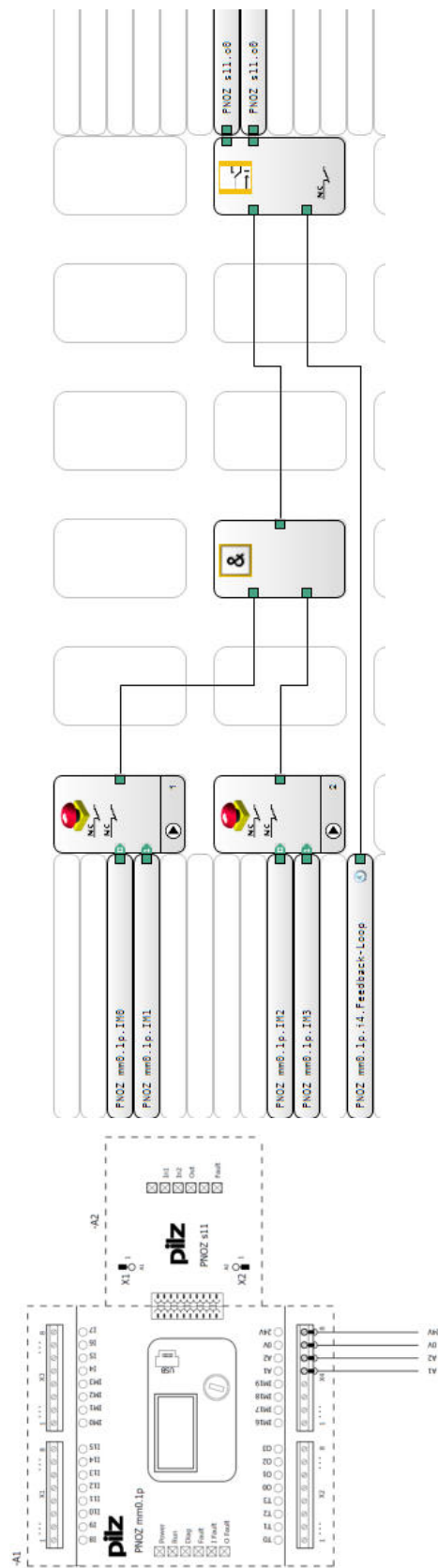
Dual-channel with detection of shorts across contacts





Dual-channel with detection of shorts across contacts with PNOZ s11





Configure Relay Output

Output element: Redundant Relay

General

Feedback loop used

Connections

Output 1: Equipment ID: PNOZmm11 I/O: c00*

Output 2: Equipment ID: PNOZmm11 I/O: c00*

Output Allocation

o0 = OUT

OK Cancel Help

Configure Function Element

Function element: E-STOP

Switch type: NC - N/C

Input

Reset

General

Switch type: NC - N/C

Connections

Input 1: Equipment ID: PNOZ mm0.1p I/O: I110* uses: Test Pulse 0

Input 2: Equipment ID: PNOZ mm0.1p I/O: I111* uses: Test Pulse 1

☒ Detection of shorts between contacts in the input circuit

OK Cancel Help

Configure Function Element

Function element: E-STOP

Switch type: NC - N/C

Input

Reset

General

Switch type: NC - N/C

Connections

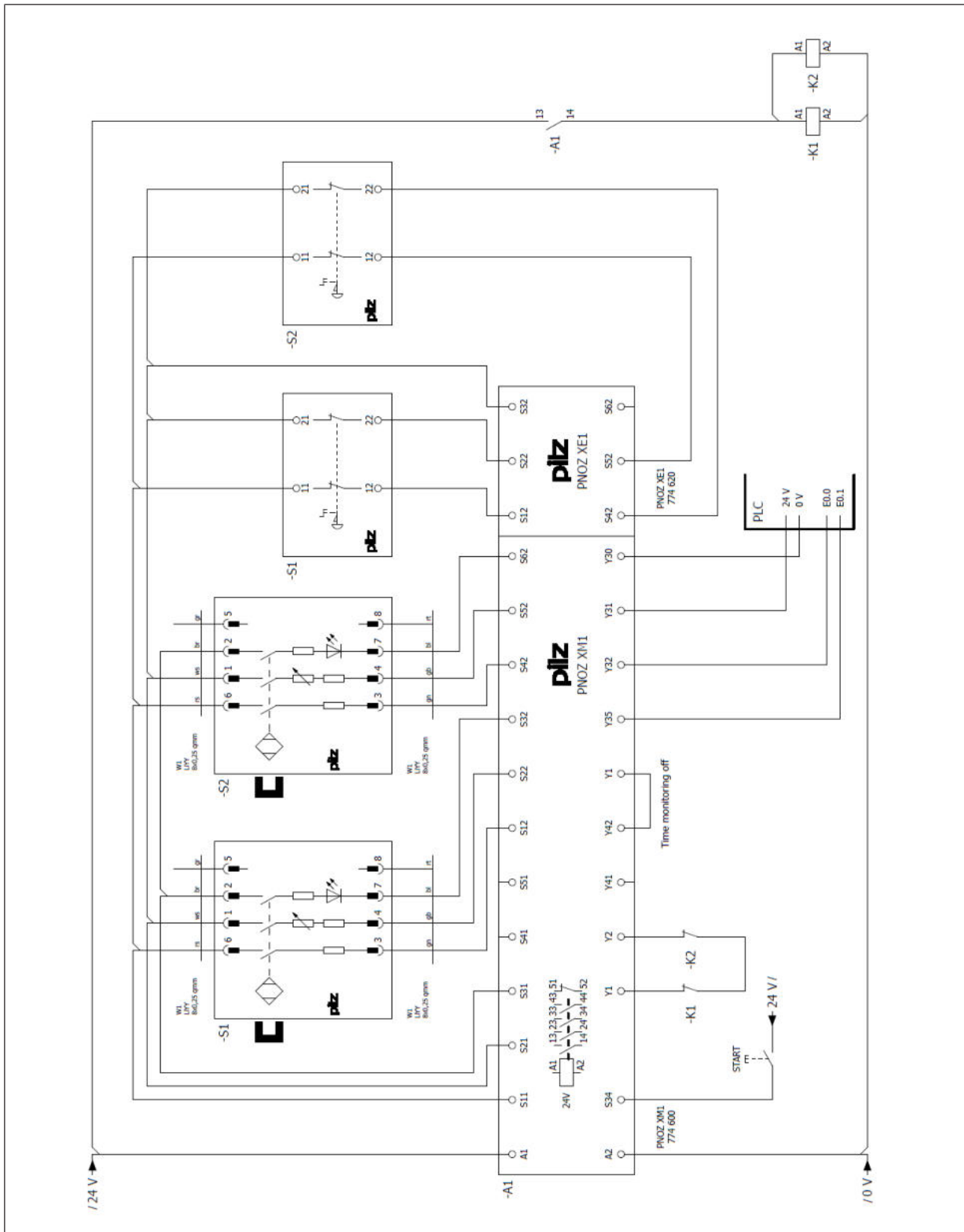
Input 1: Equipment ID: PNOZ mm0.1p I/O: I110* uses: Test Pulse 0

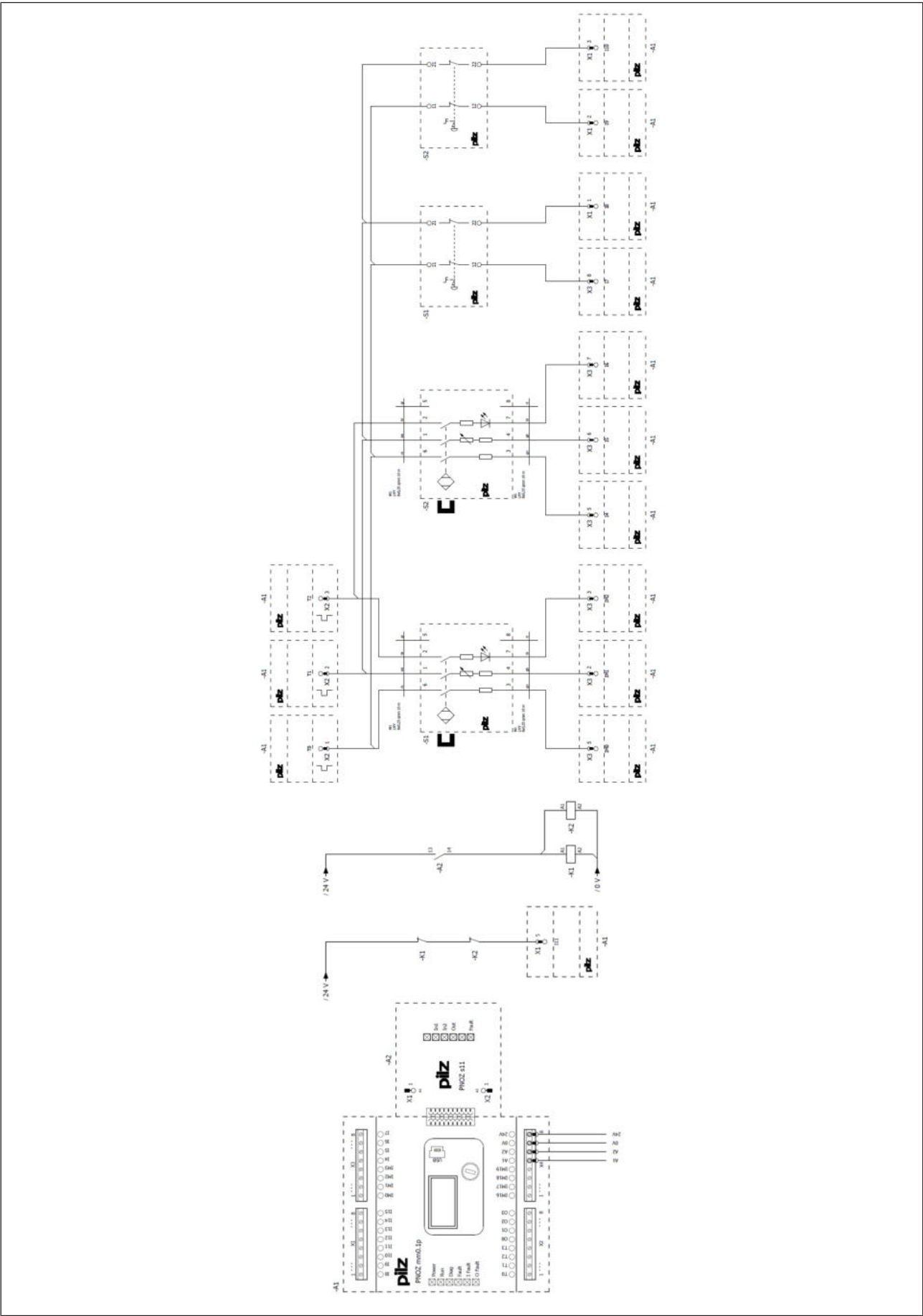
Input 2: Equipment ID: PNOZ mm0.1p I/O: I111* uses: Test Pulse 1

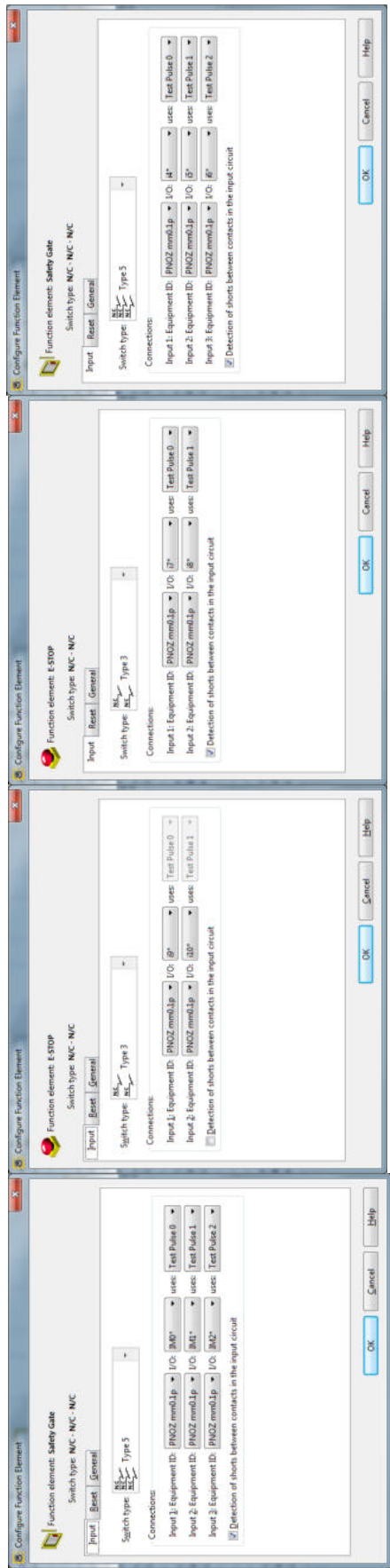
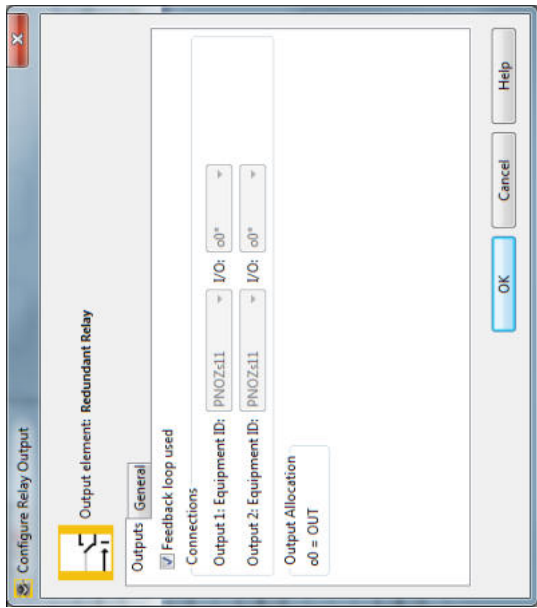
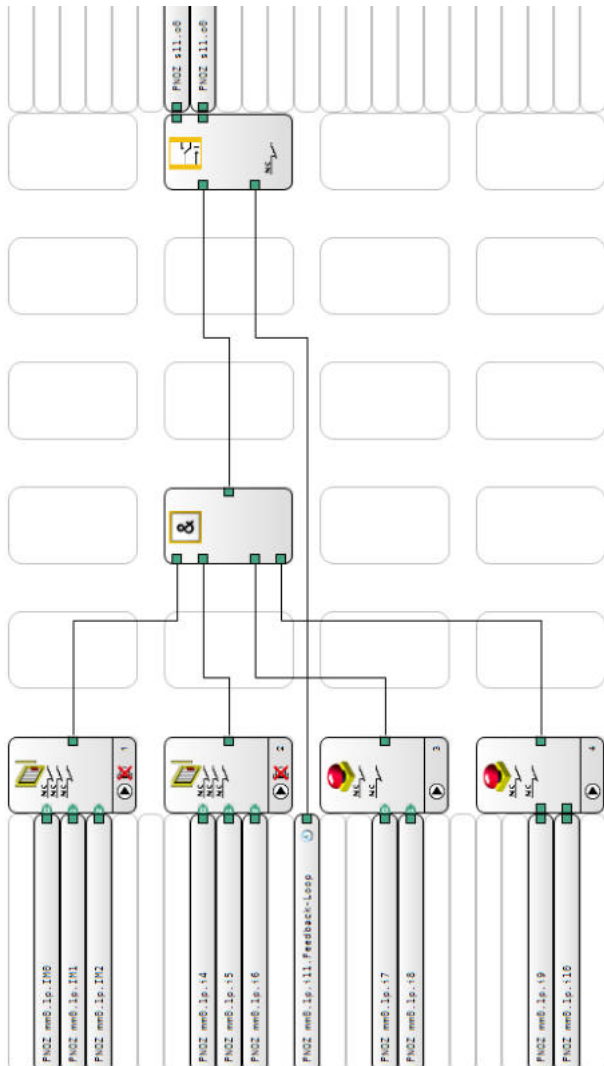
☒ Detection of shorts between contacts in the input circuit

OK Cancel Help

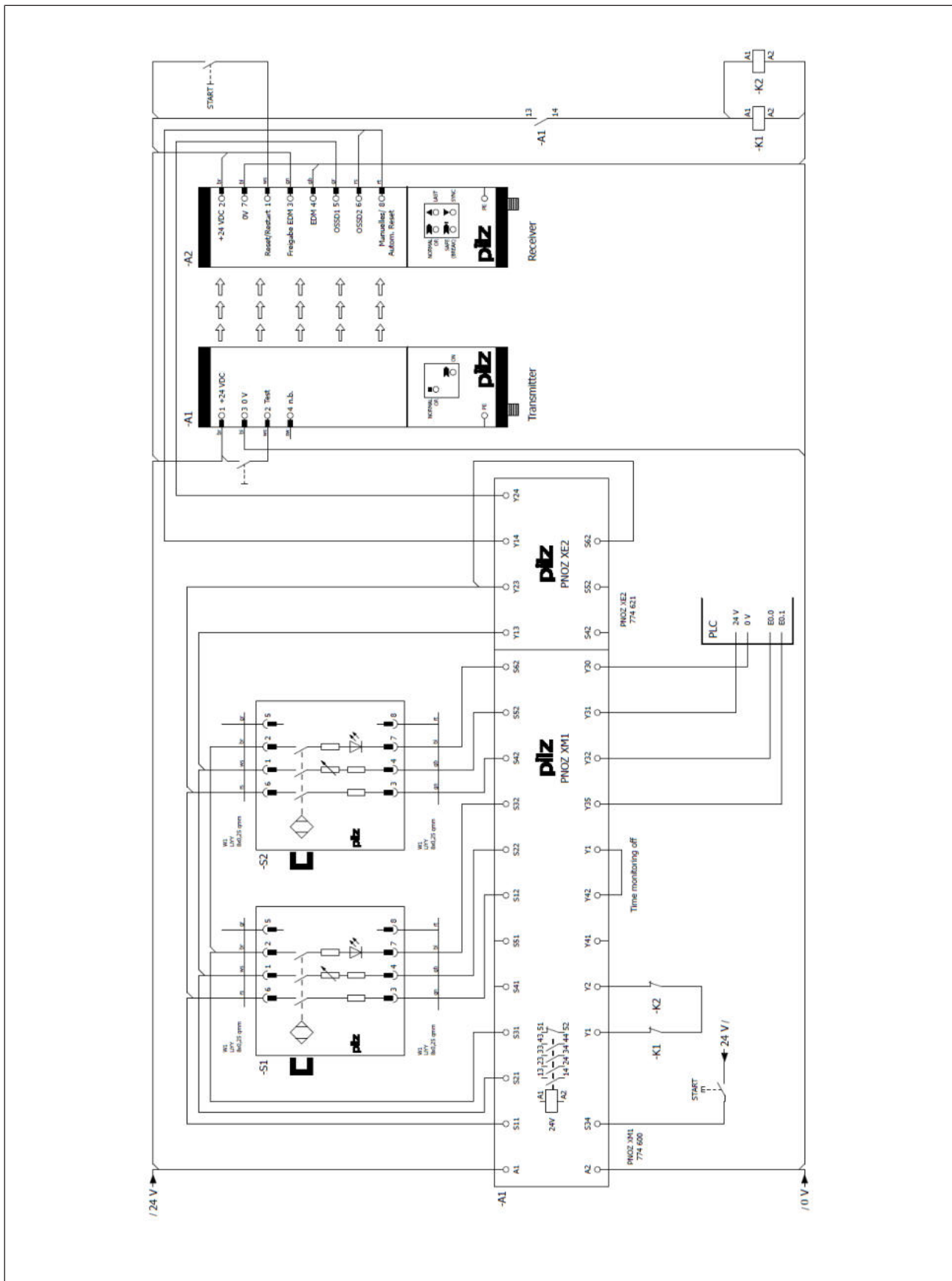
Three-channel with detection of shorts across contacts with PNOZ XE1 and PNOZ s11

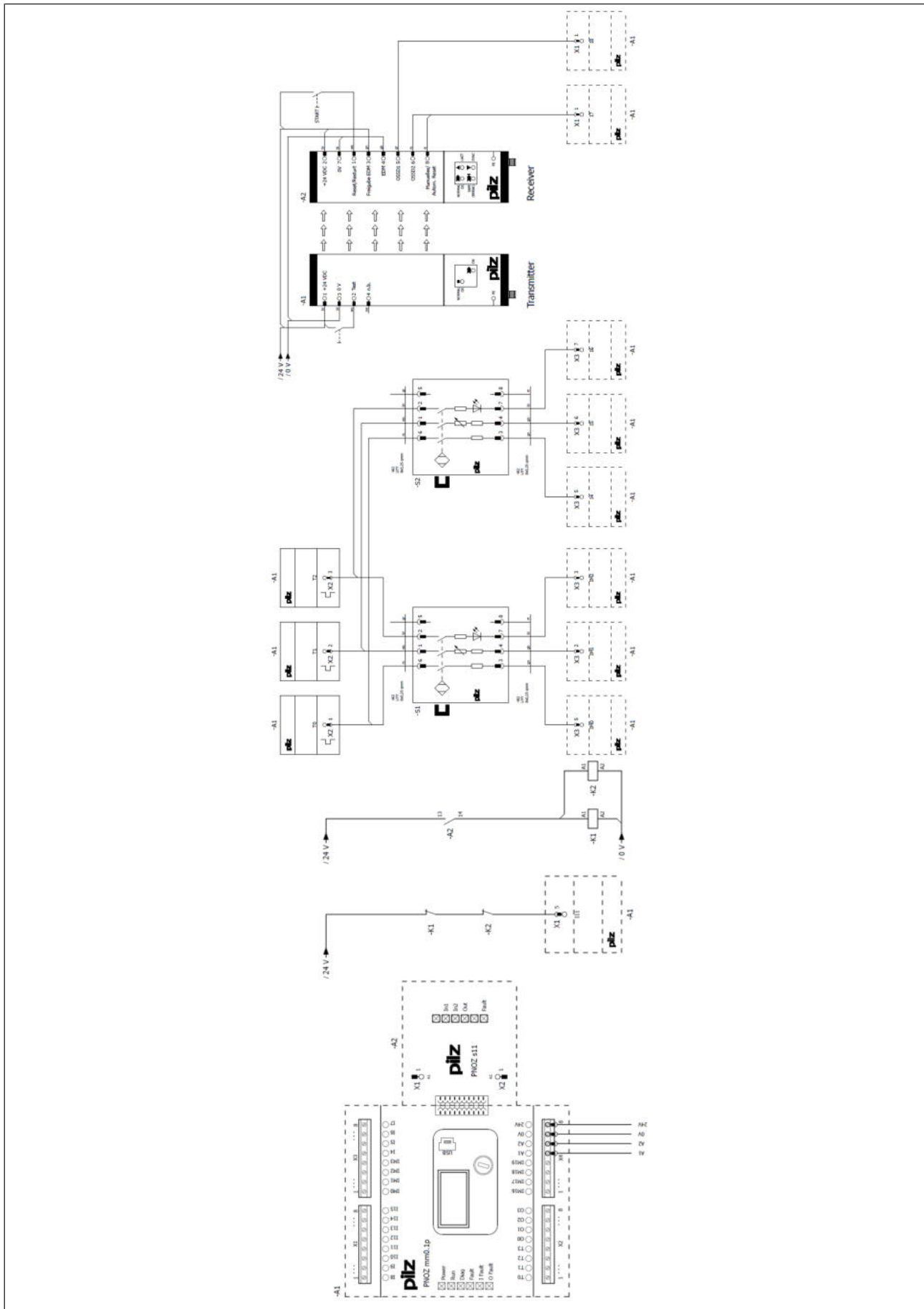


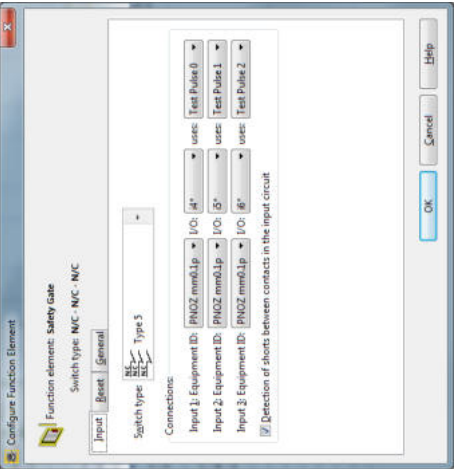
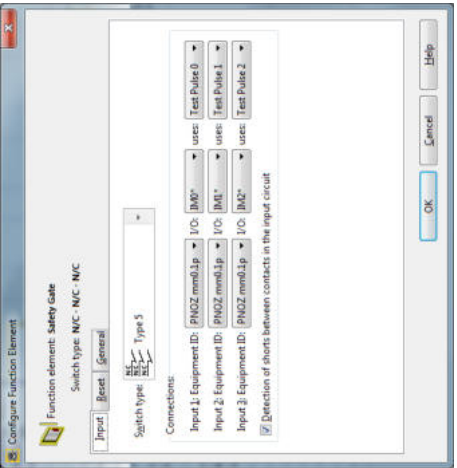
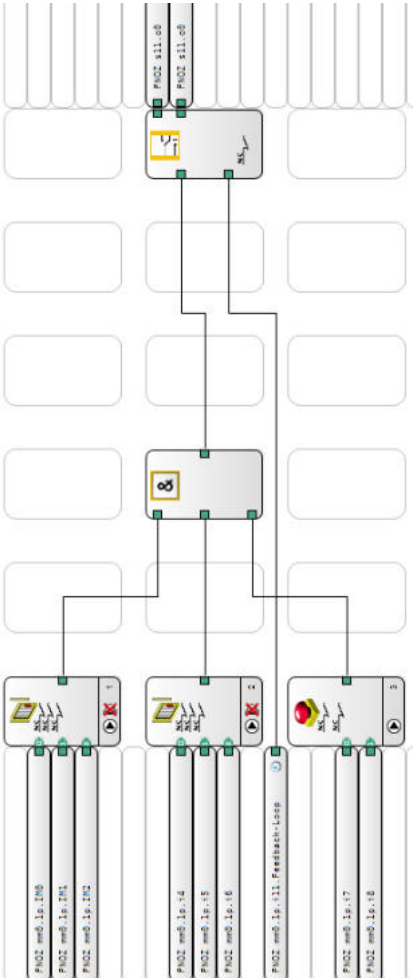
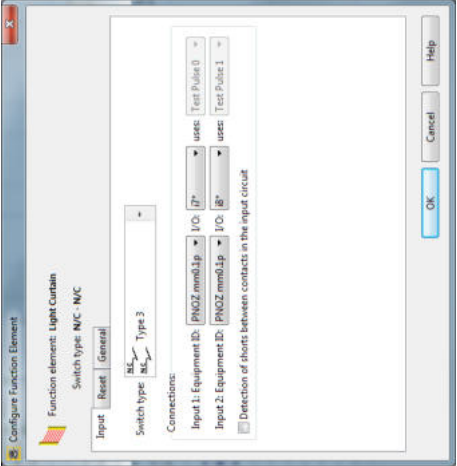
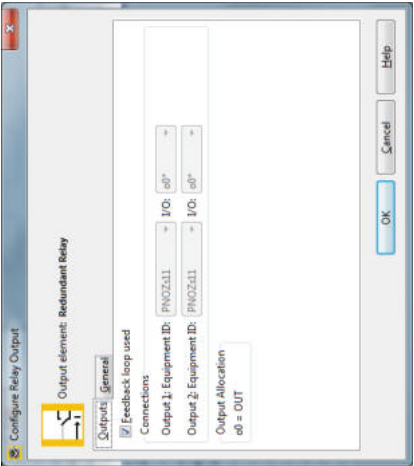




Three-channel with detection of shorts across contacts with PNOZ XE2









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