



**TEGAN INNOVATIONS LTD**  
Designers & Builders of Special Purpose Equipment for Industry.

Unit 12A  
Six Cross Roads Business Park  
Waterford  
Ireland  
Phone: +353 51 334567



## Electrical Drawings

By: Aurimas Civilka

Company/Customer:



Eagle Manual Assembly Line Consumable  
Stopper Insertion - Screw Station

Project Title:

EMALC-TE1096

Job Number:

TM429-EMALC/4

Machine Serial Number:

Rated Voltage:

3 Phase+N+PE: 400V±10% AC

Mains Frequency:

50 Hz 16A Supply

Control Voltage:

24V<sub>DC</sub>

Other Control Voltage:

48V<sub>DC</sub>

Revision:

Rev\_1.0

Year of Manufacture:

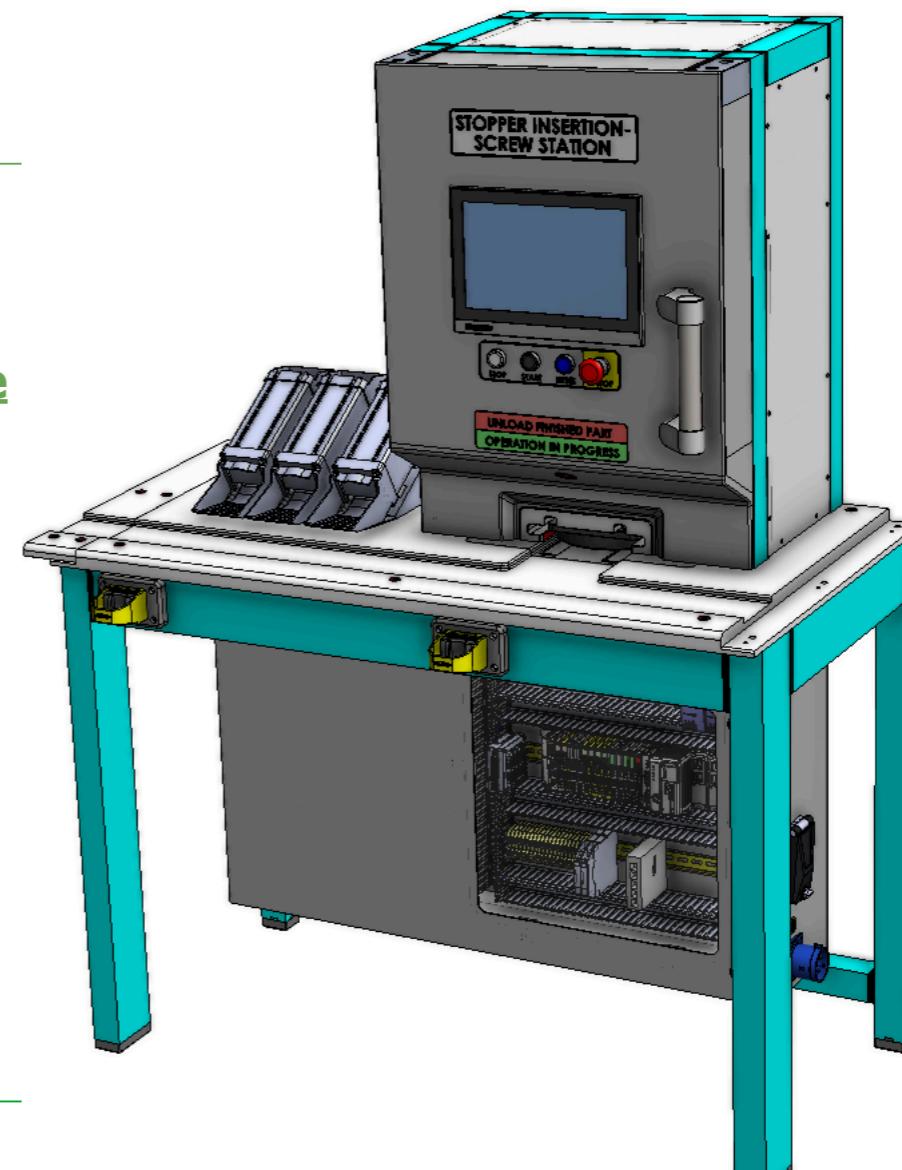
2025

Created On:

20/08/2024

Edit Date:

17/07/2025

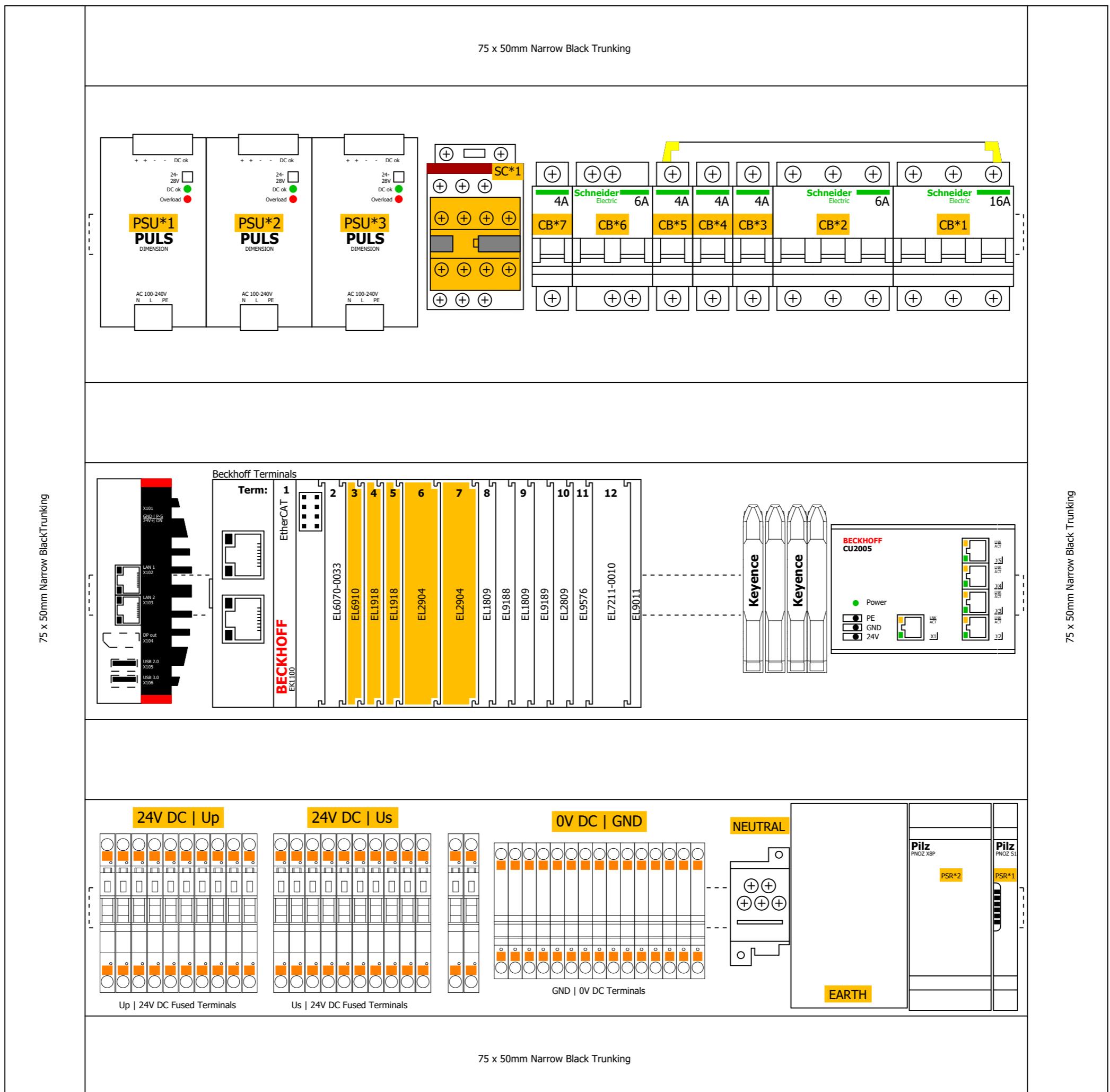


Number of Pages: 25

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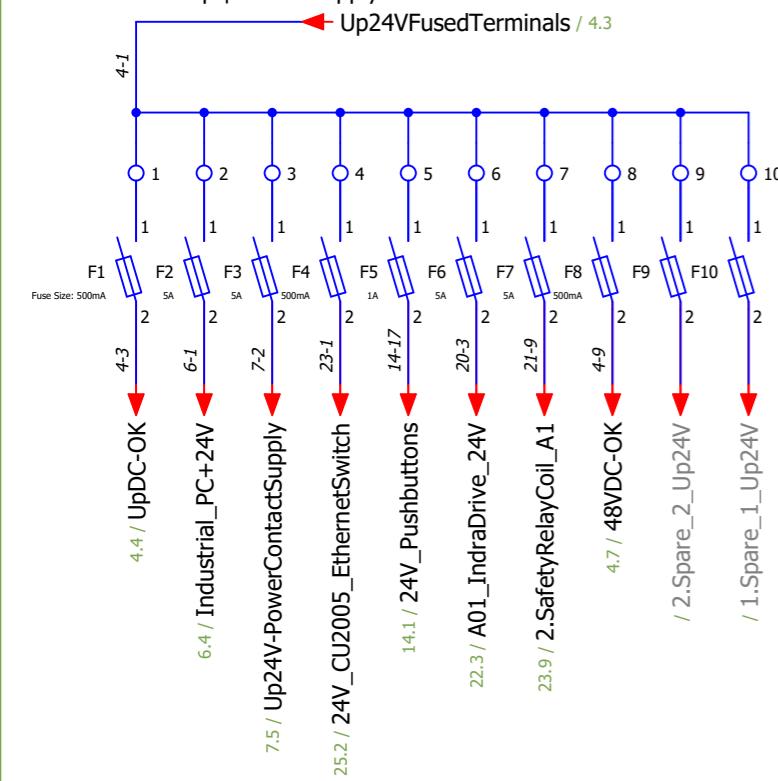
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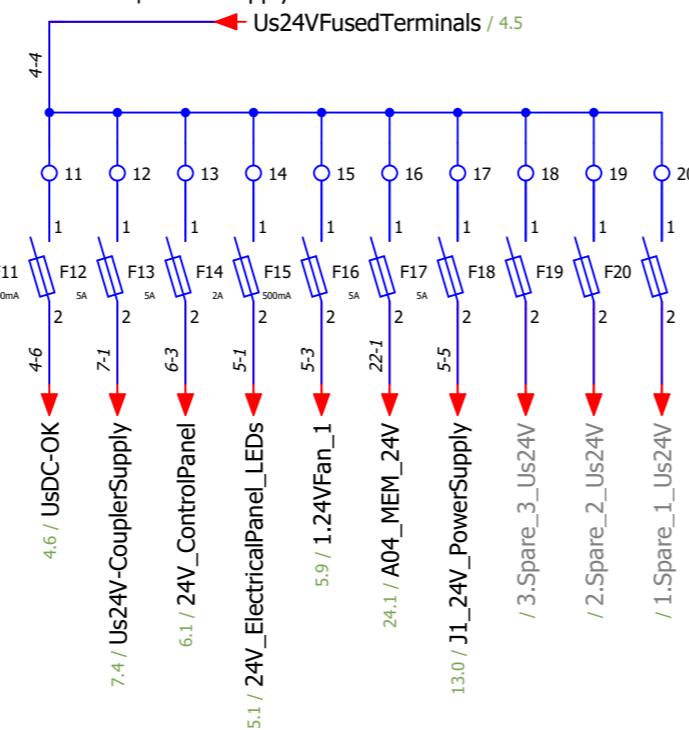




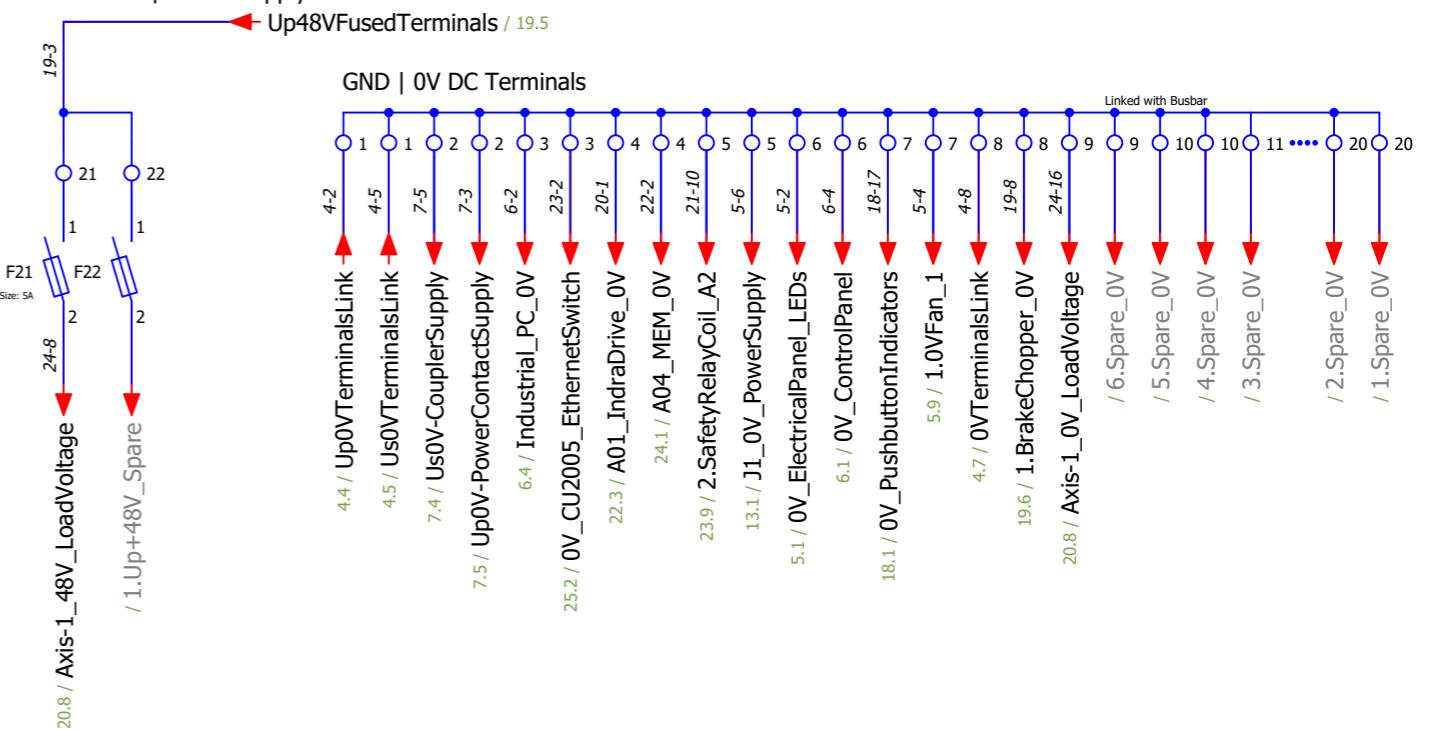
## 24V Up | Power Supply Fused Terminals



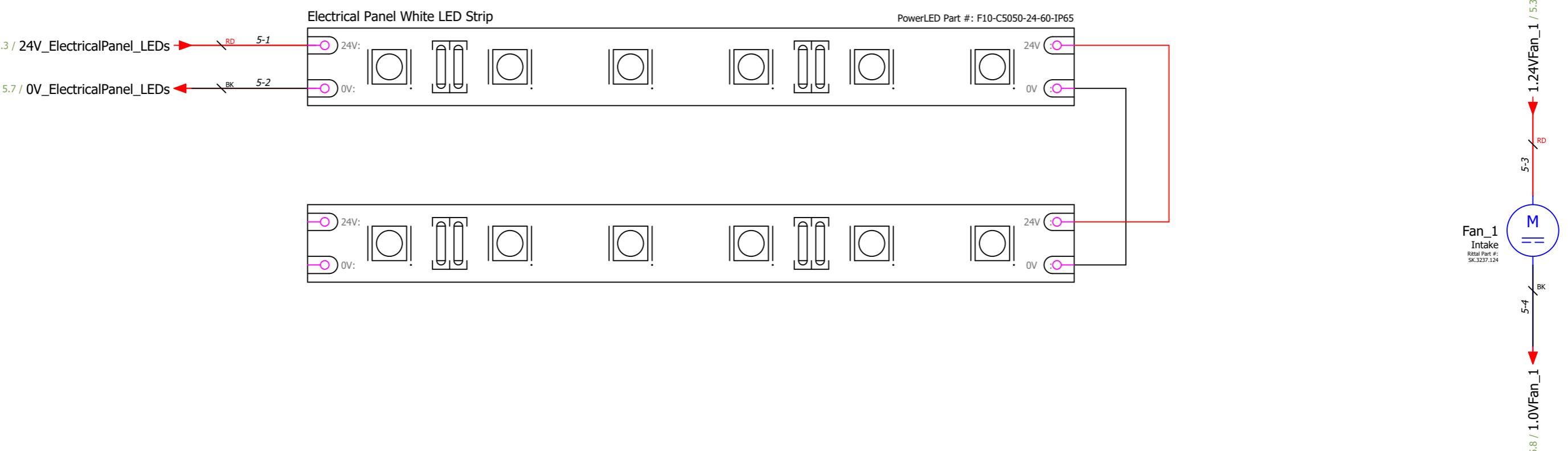
## 24V Us | Power Supply Fused Terminals

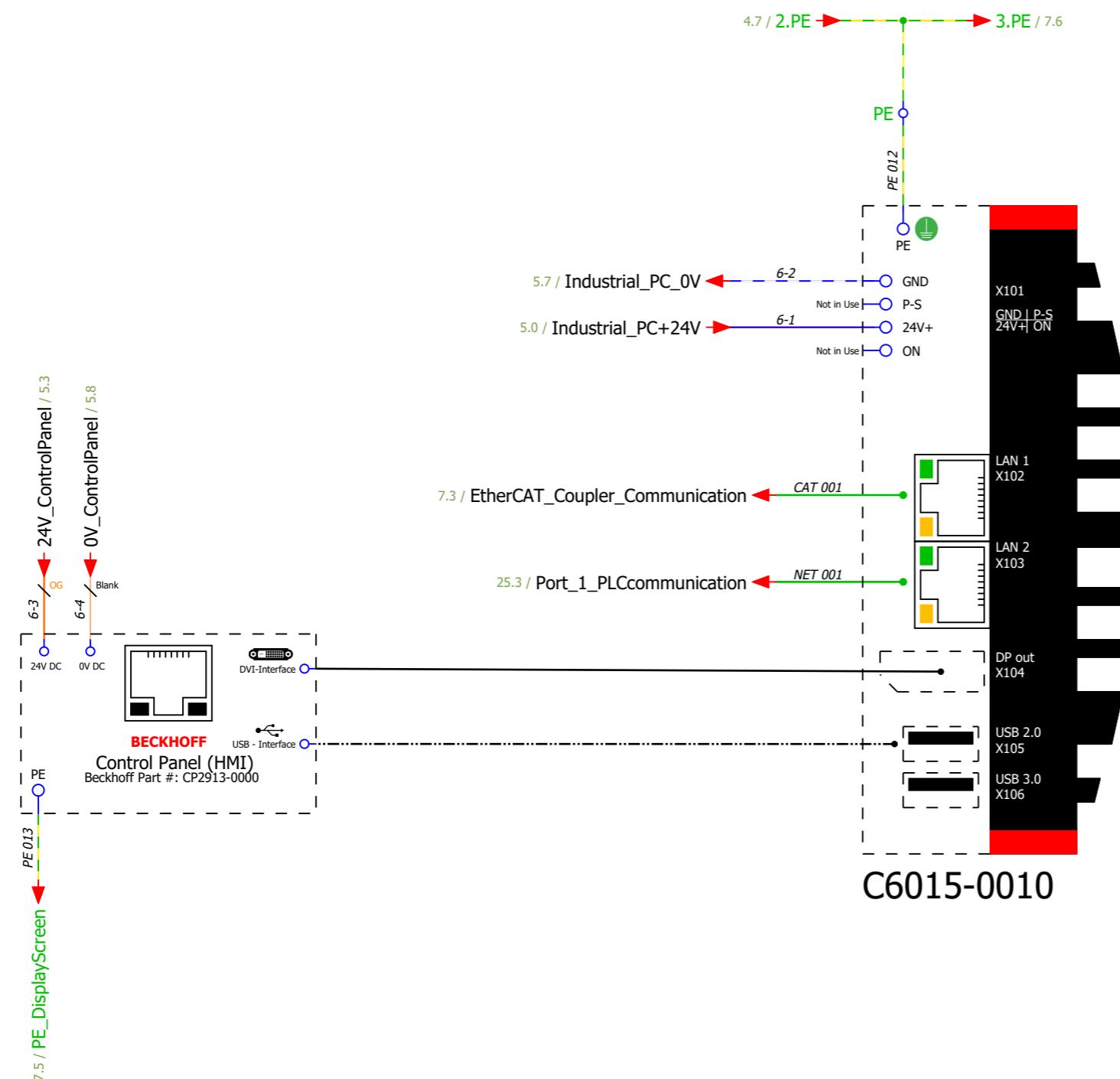


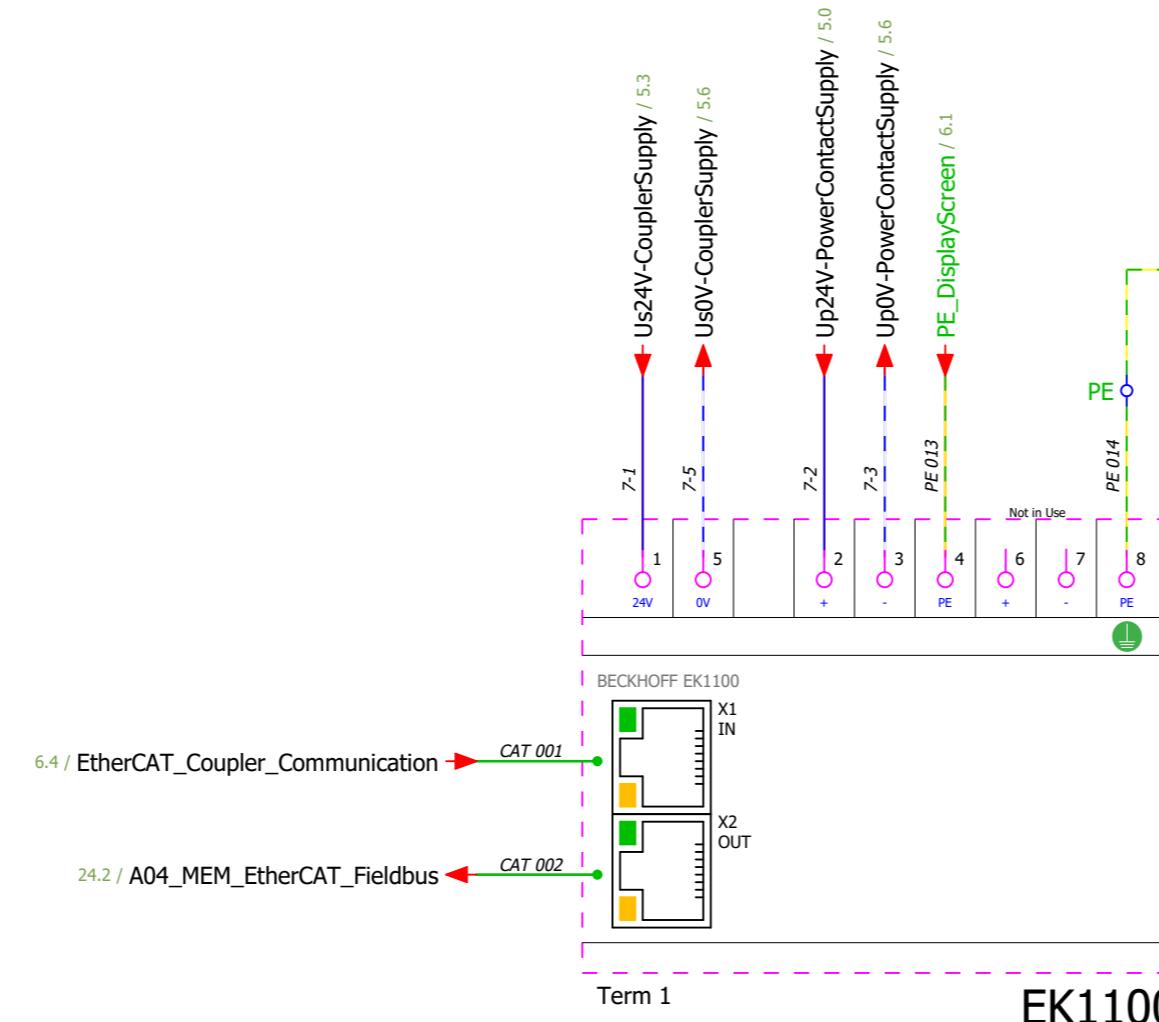
## 48V DC | Power Supply Fused Terminals



## GND | 0V DC Terminals

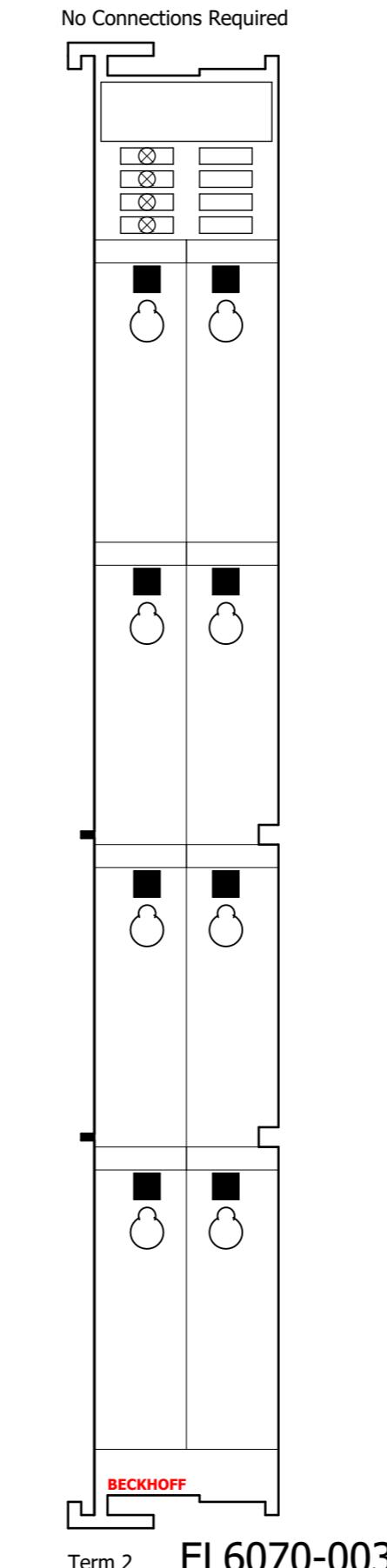






TwinCAT 3.1 enables management of TwinCAT licenses via the custom specific programmed EL6070-0033 EtherCAT Terminal. The EL6070-0033 is used as a hardware license key in the modular EtherCAT I/O system. Data transfer takes place via EtherCAT.

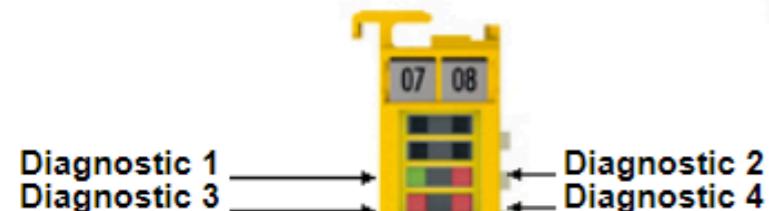
For even more convenient handling of the TwinCAT 3.1 licensing, from hardware version 02 the EL6070-0033 license key terminal is equipped with a local data memory. The data memory is used for storing the TwinCAT 3.1 license files. It is not freely accessible and is managed by TwinCAT 3.1.



# Safety over EtherCAT®

## EL6910 TwinSAFE PLC

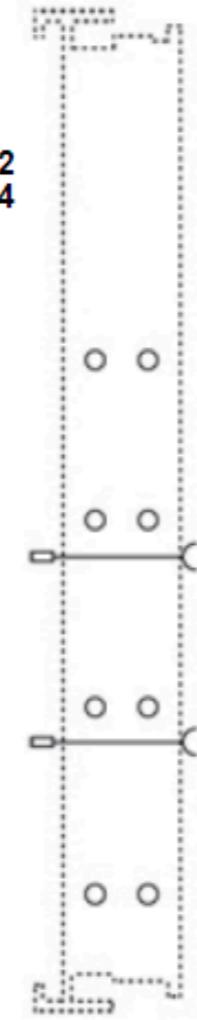
Communication | EL6910



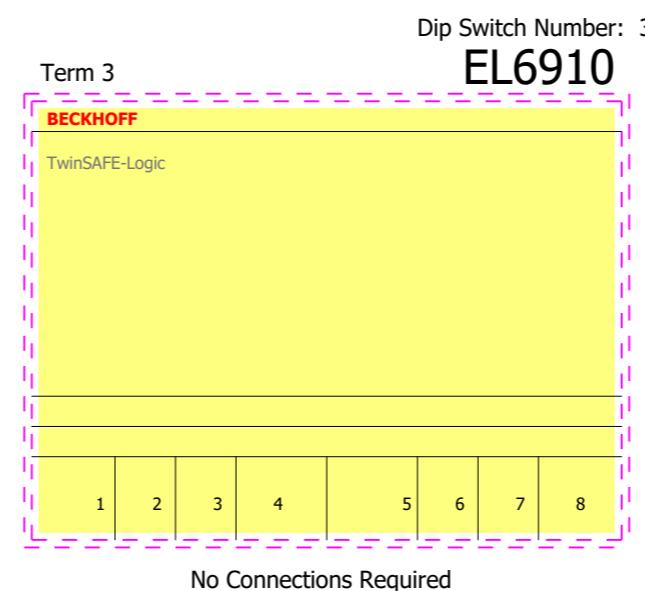
Power contact  
+24 V

Power contact 0 V

Top view



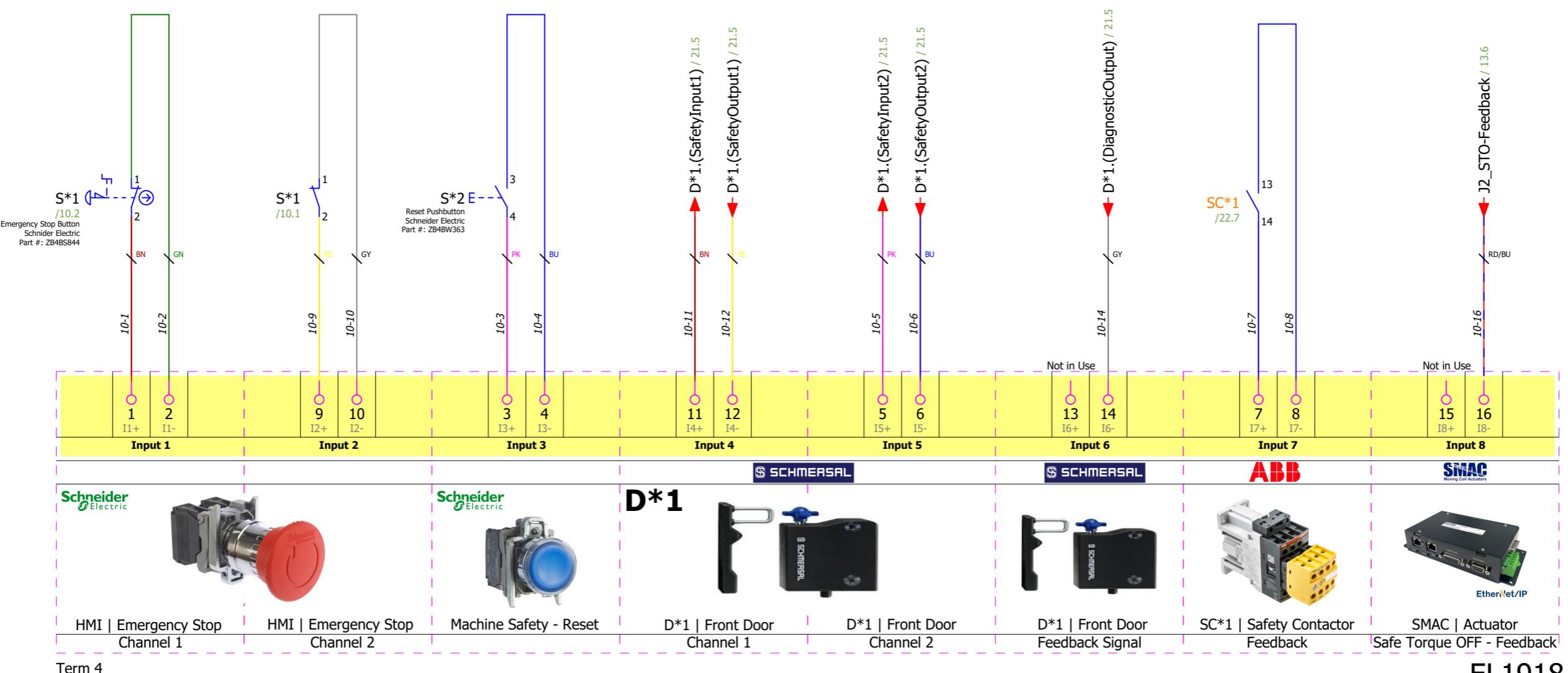
Contact assembly

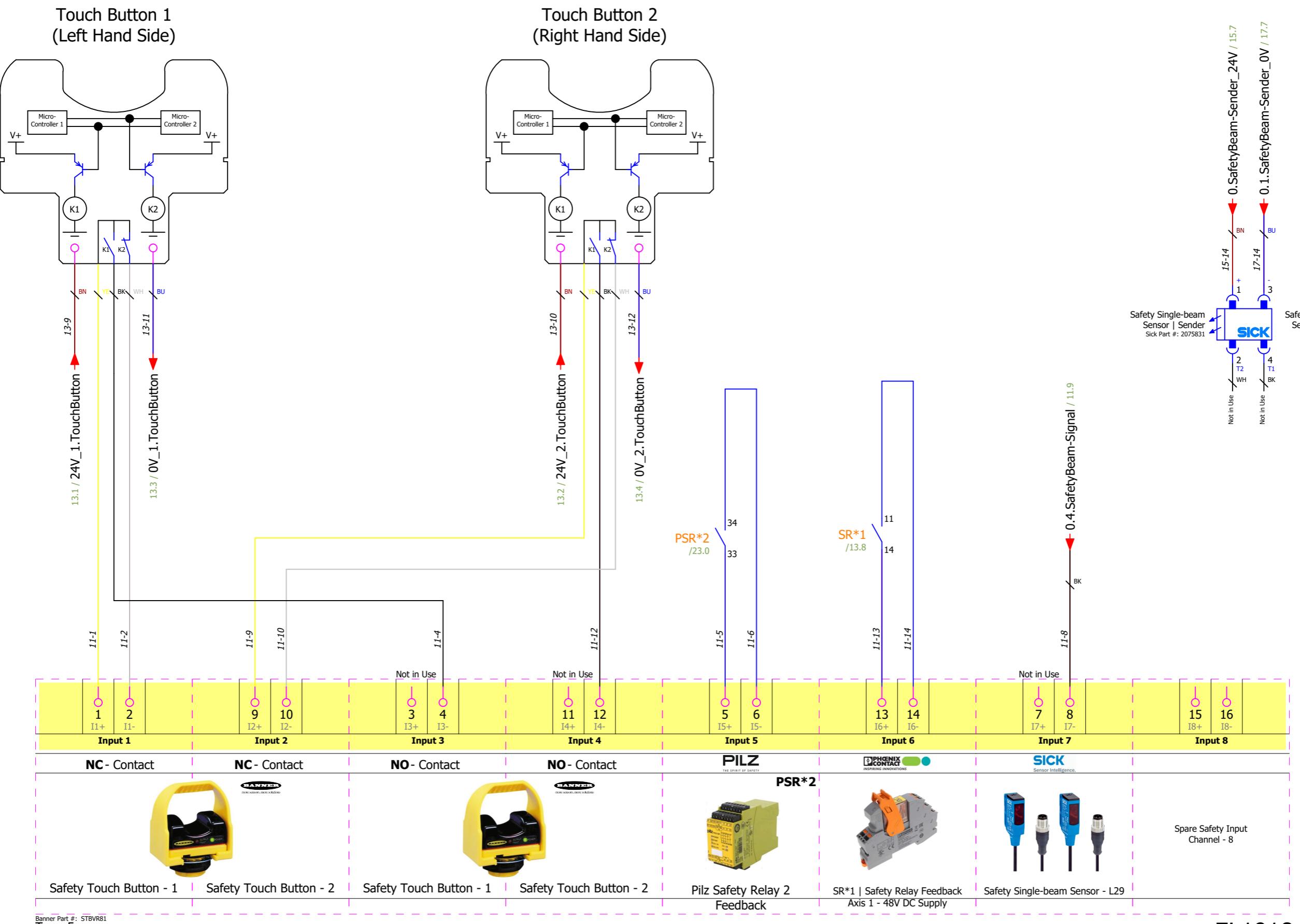


Dip Switch Number: 3  
EL6910

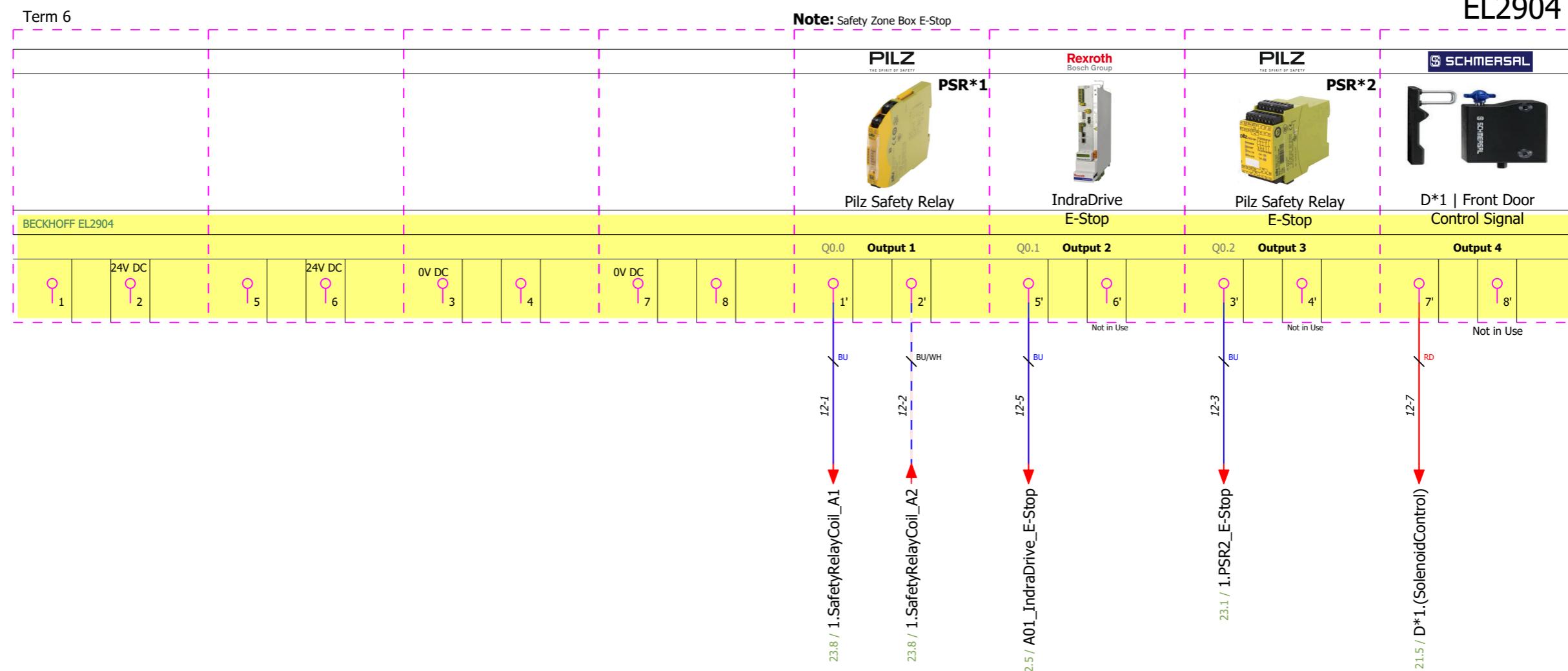
No Connections Required



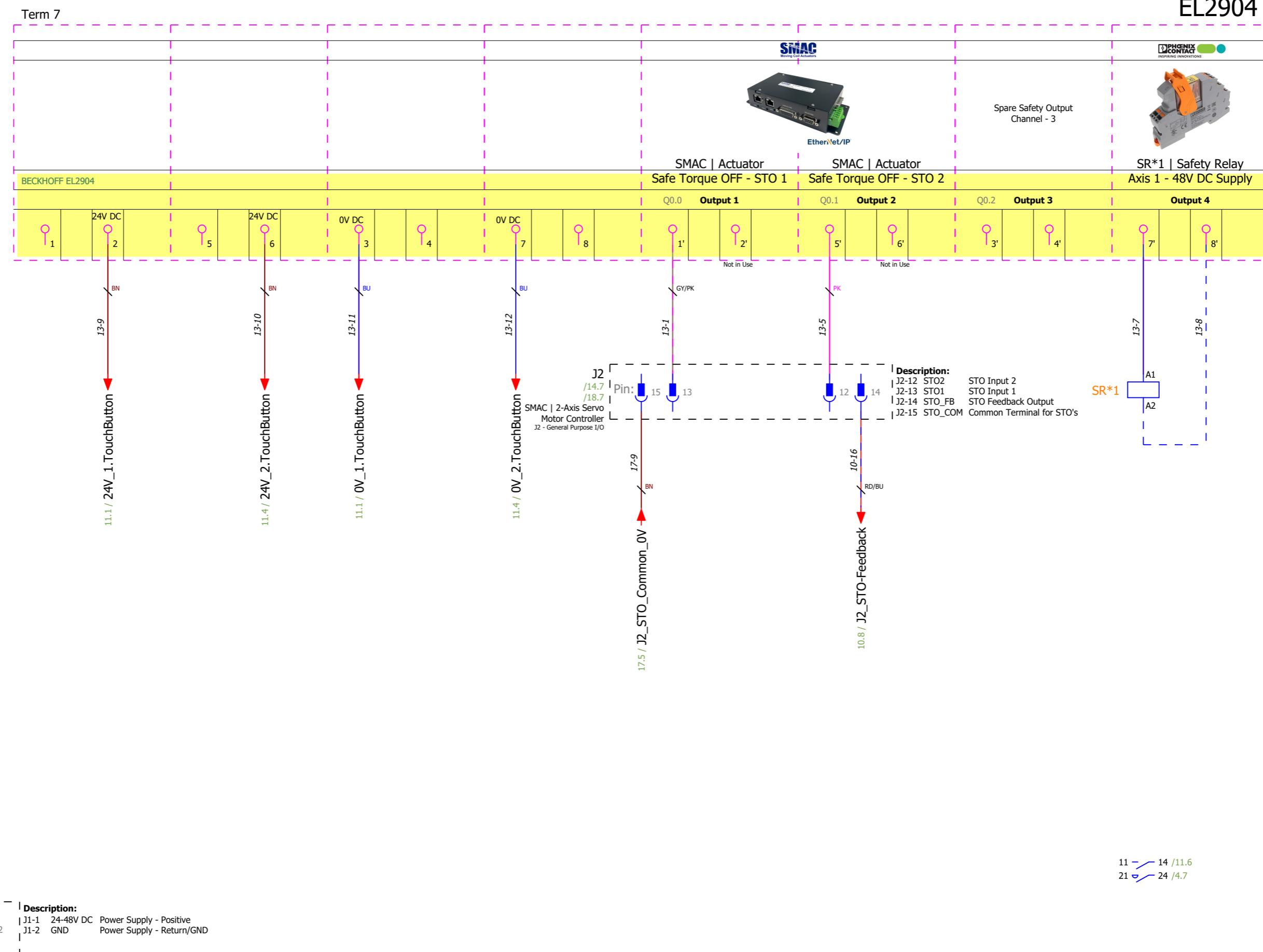


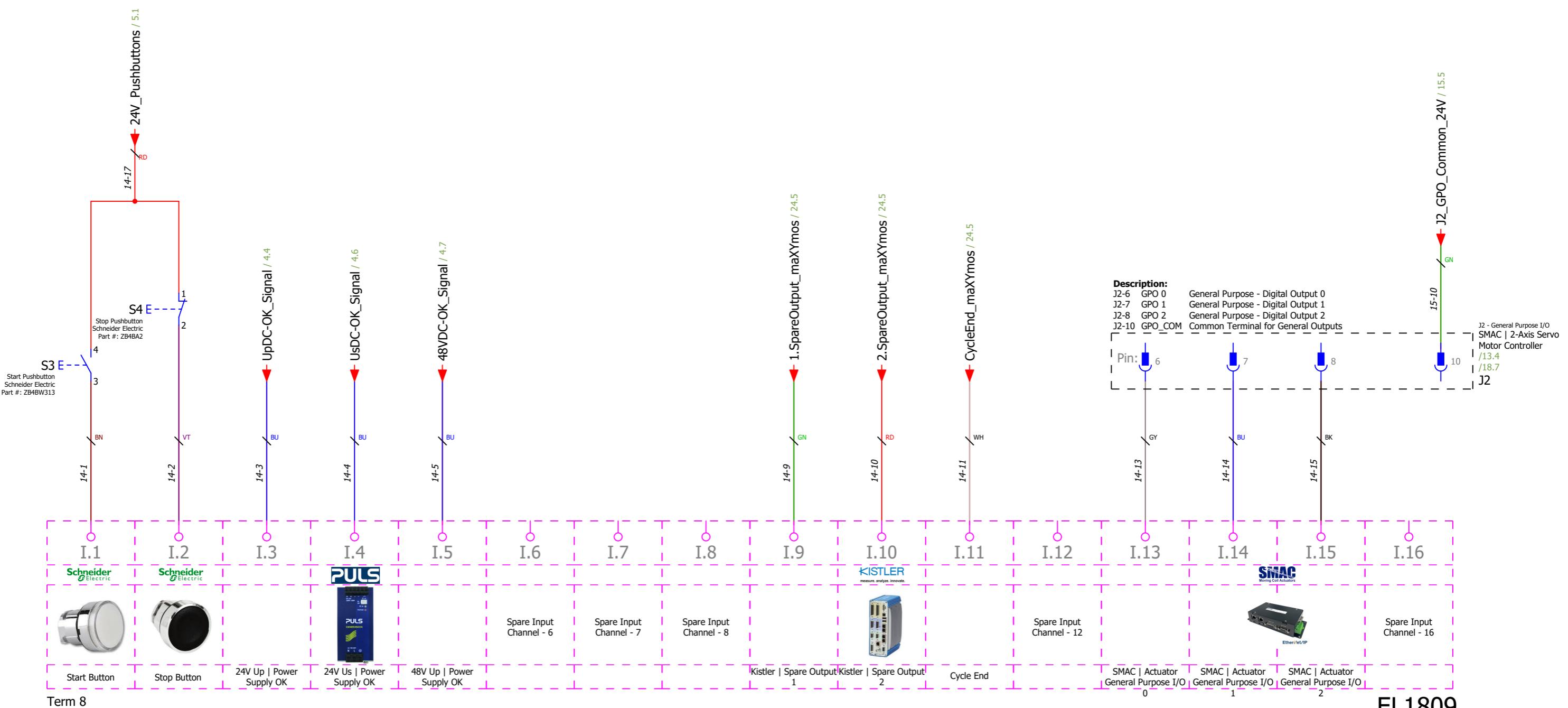


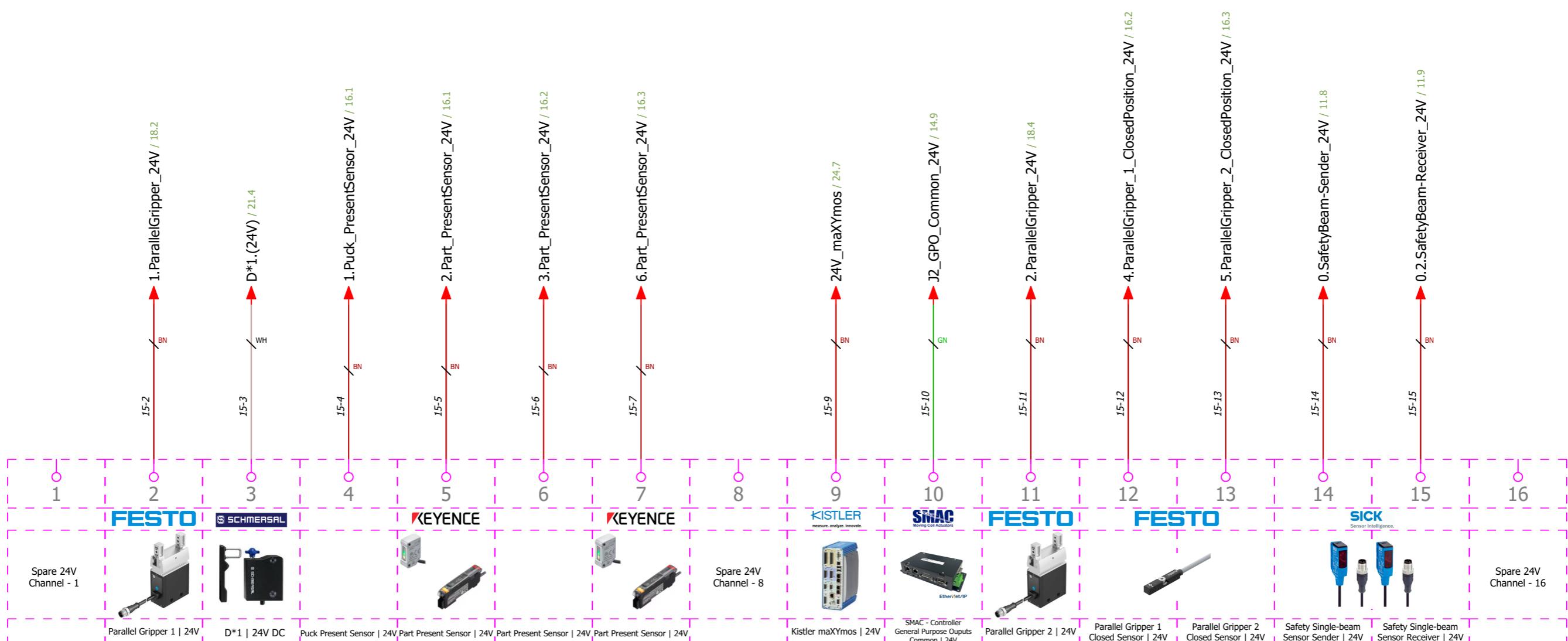
Dip Switch Number: 6  
**EL2904**



Dip Switch Number: 7  
**EL2904**

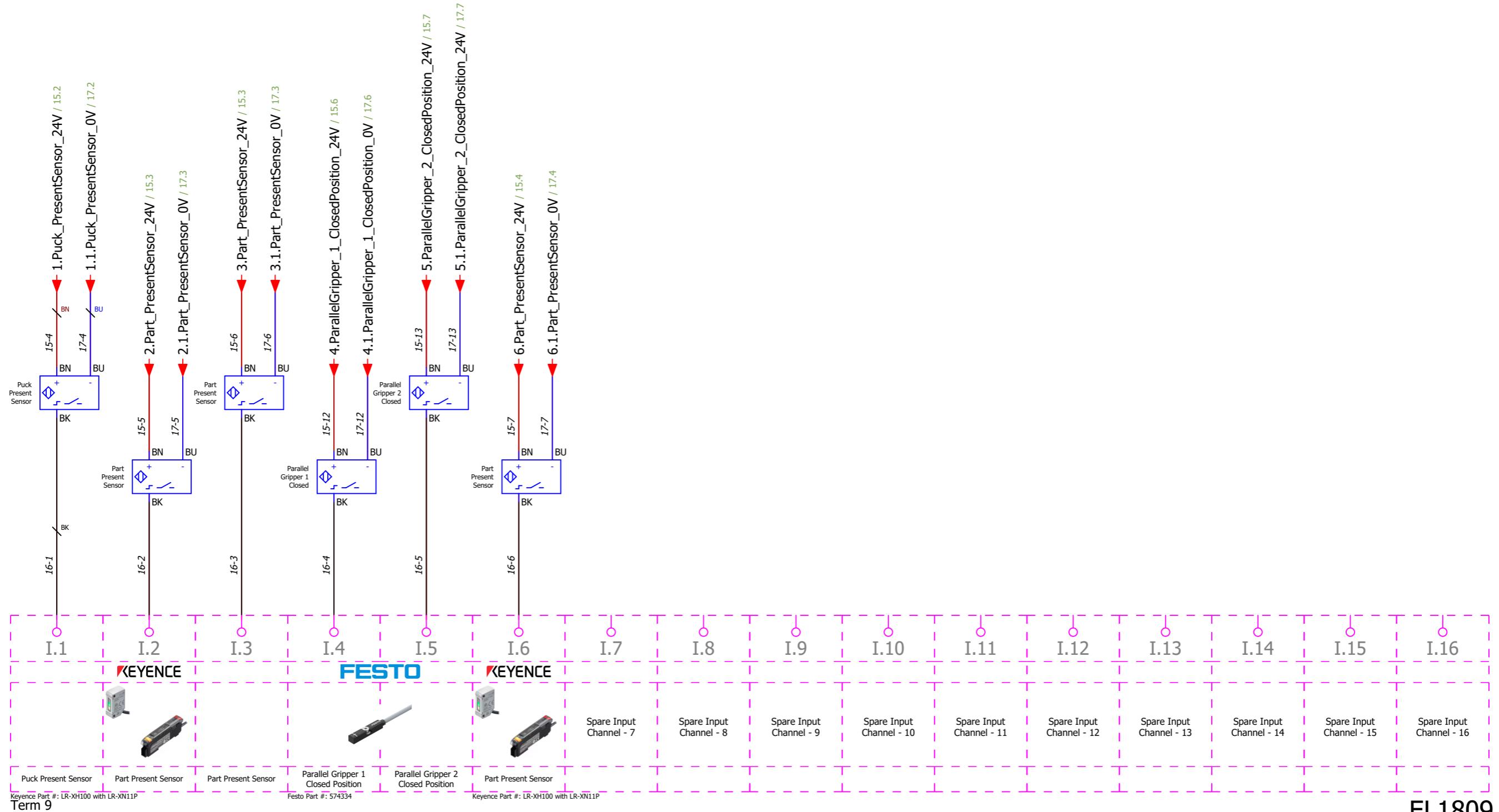


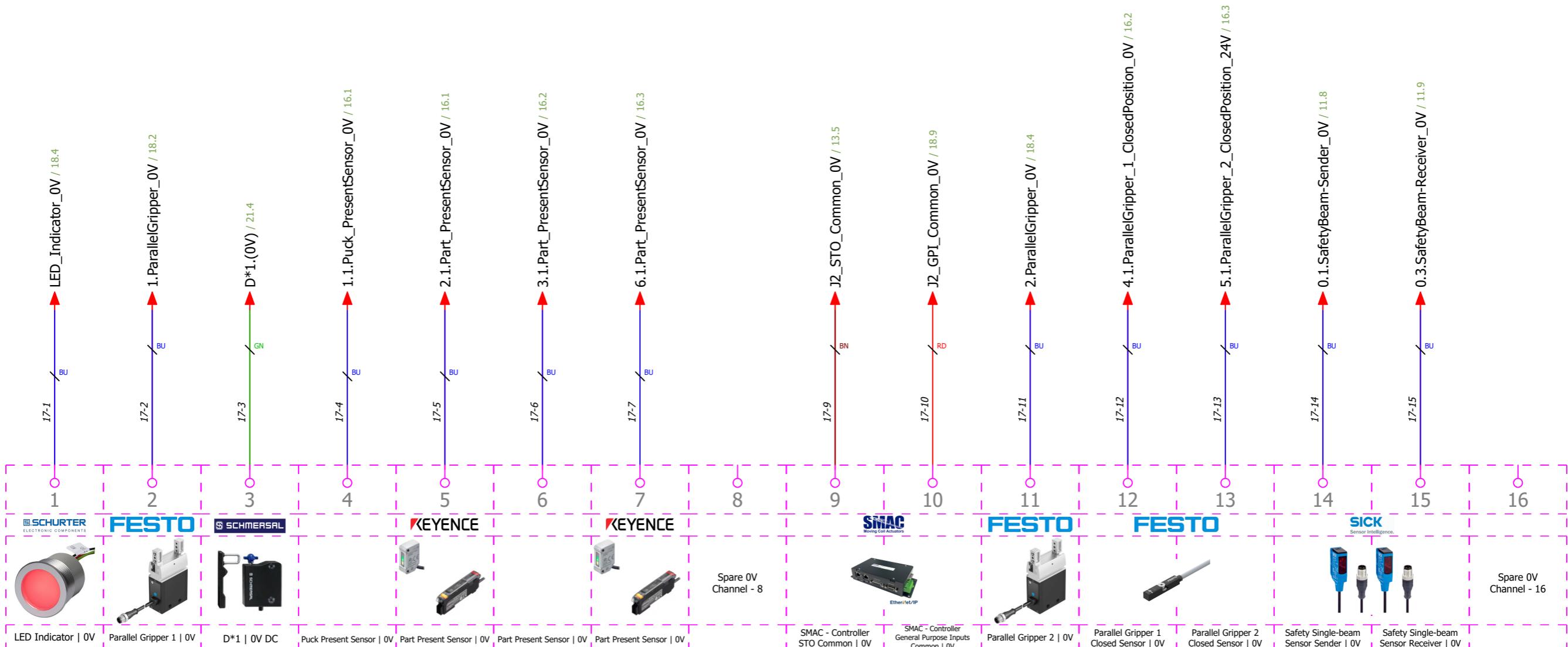




EL9188

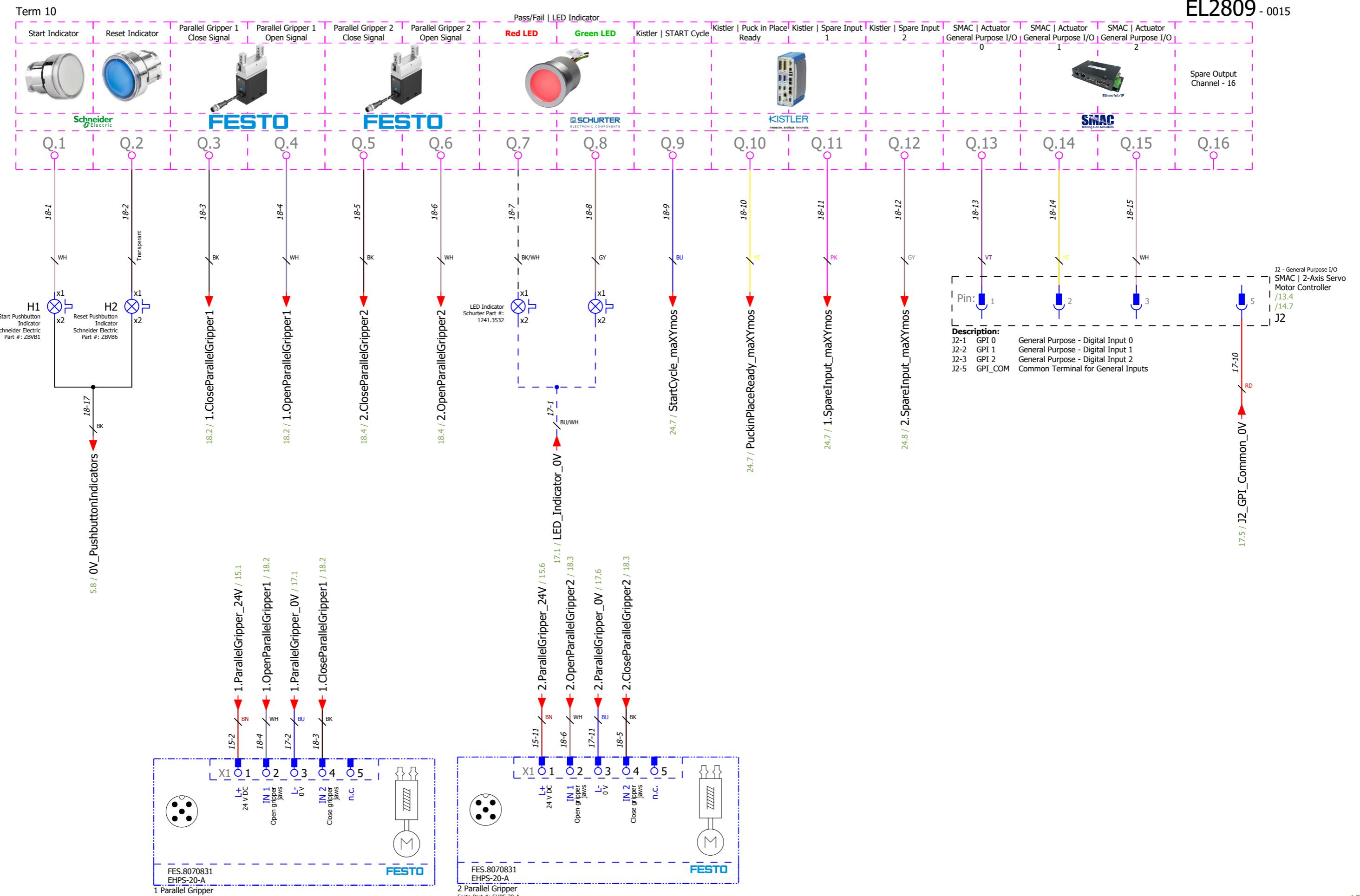
24V DC | Distribution Terminal

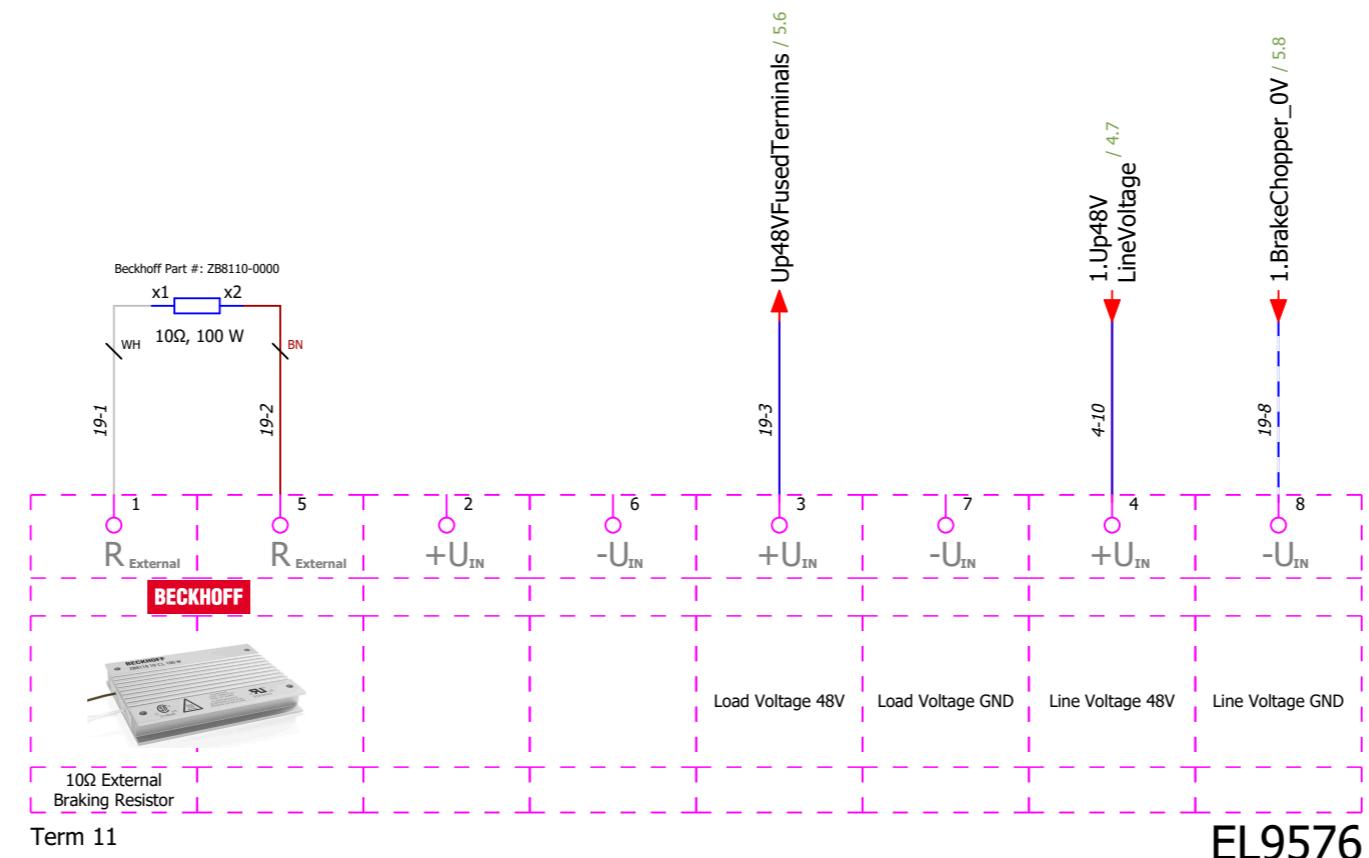




**EL9189**

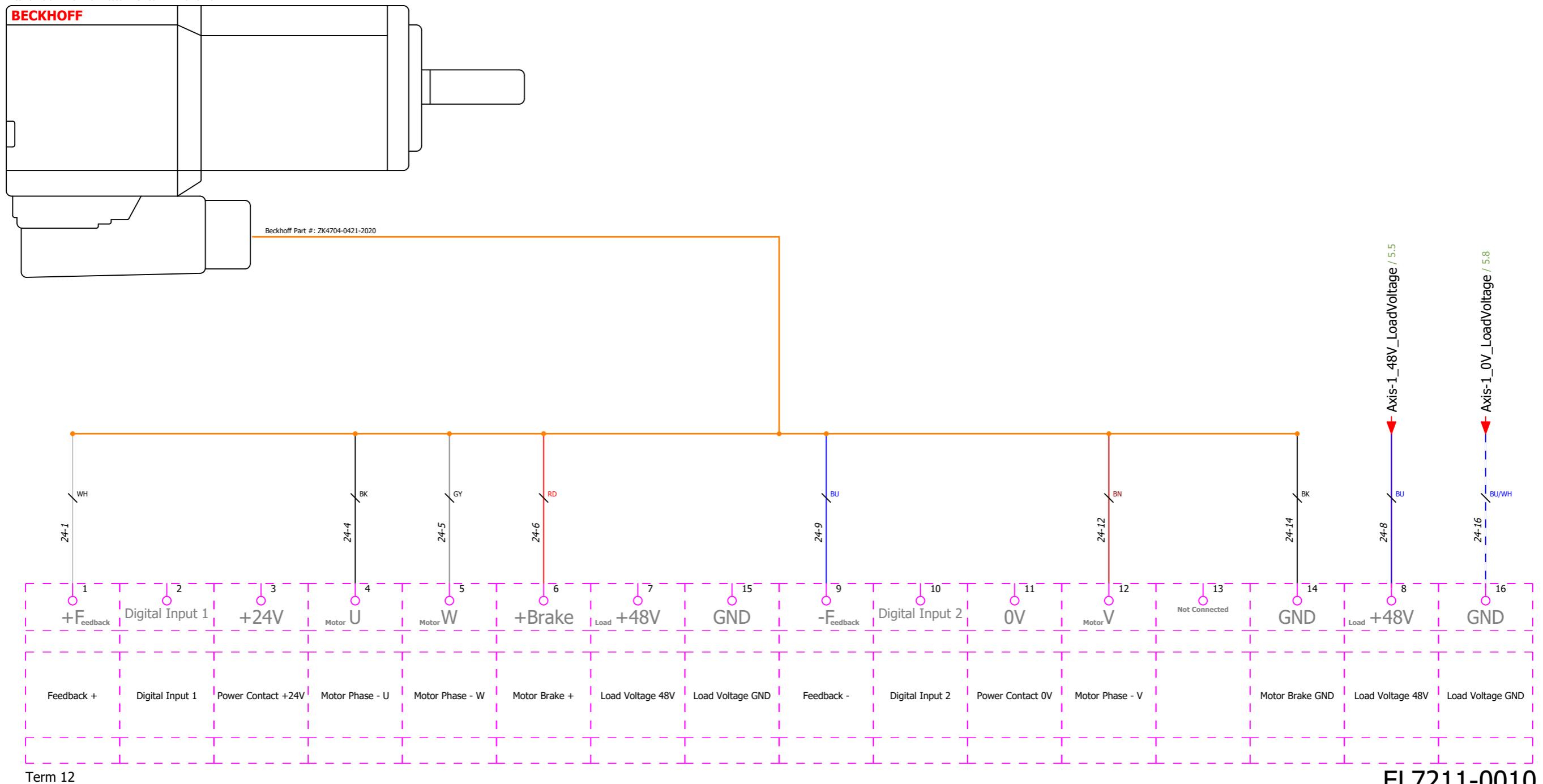
0V DC | Distribution Terminal

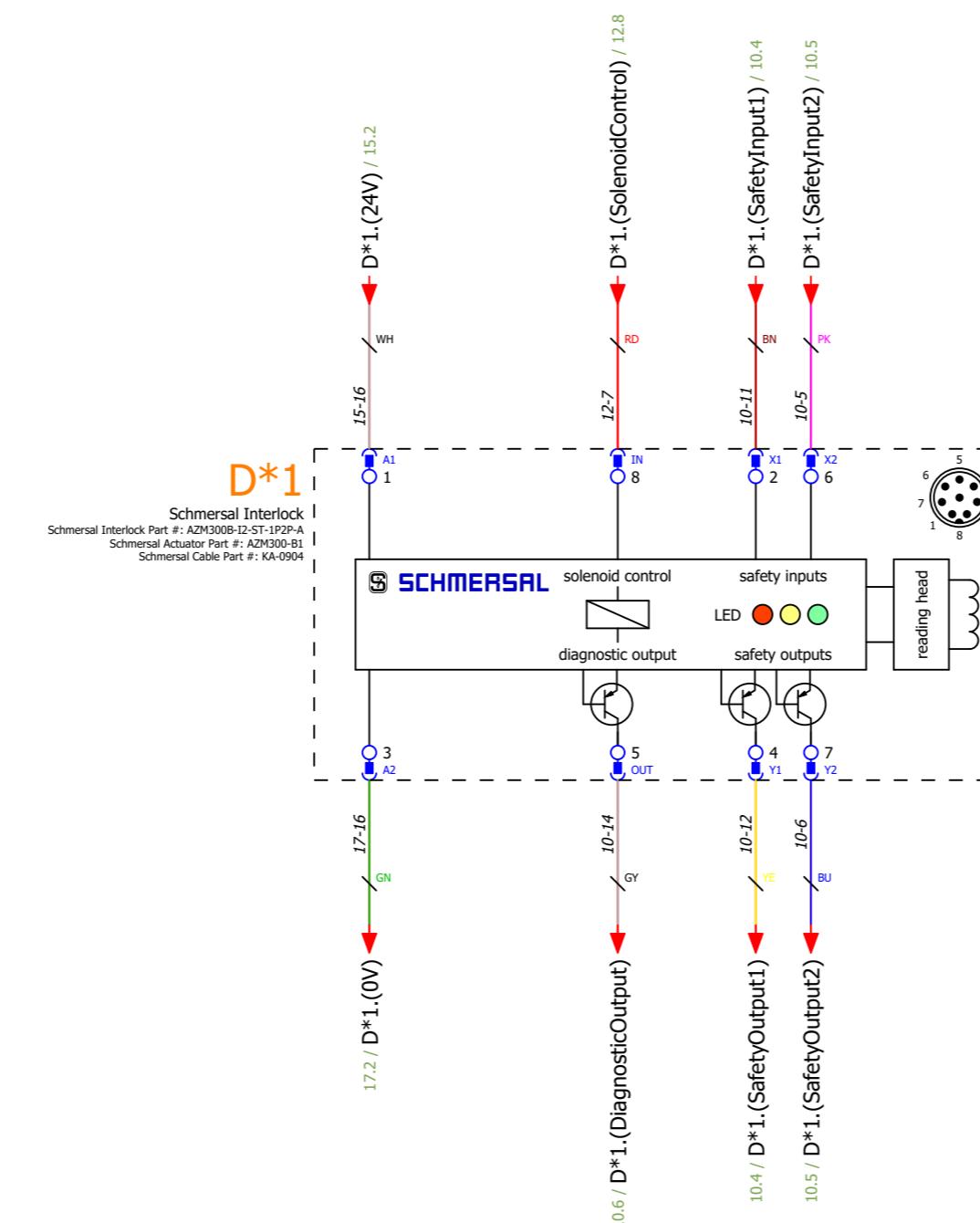


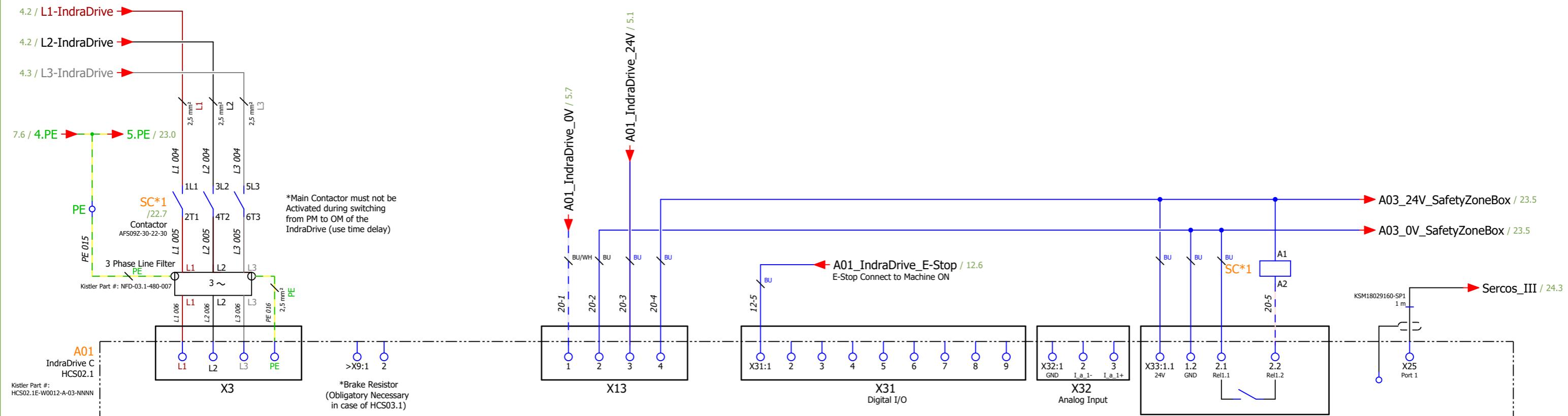


**M1 - Axis 1 | Slide**

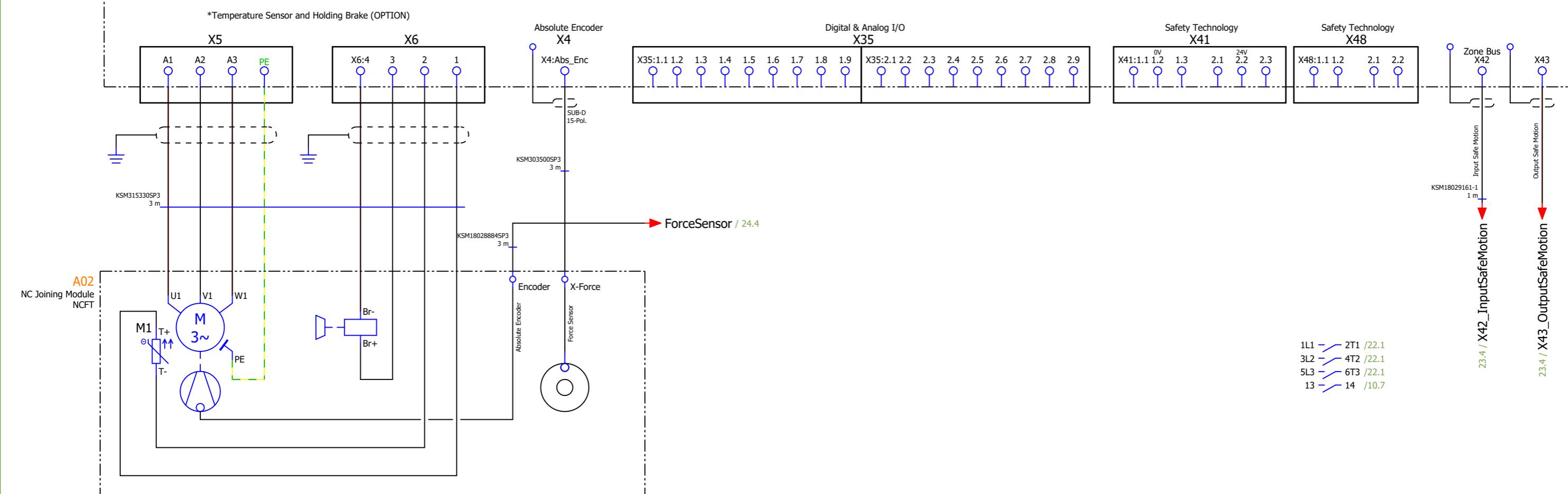
Beckhoff Part #: AM8112-0F21-0000 + AG2250-WPLE40-M01-10-B1-F1

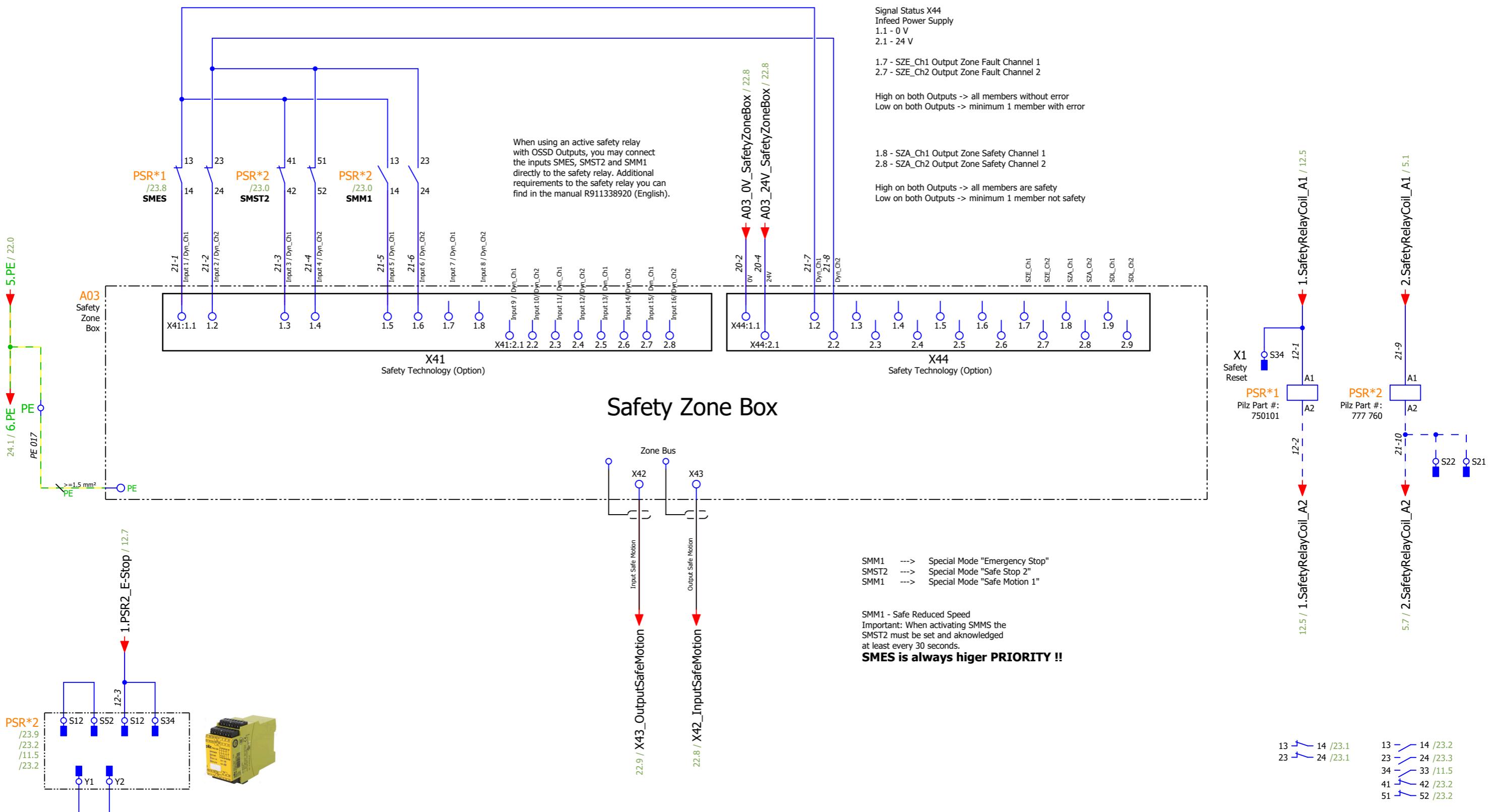


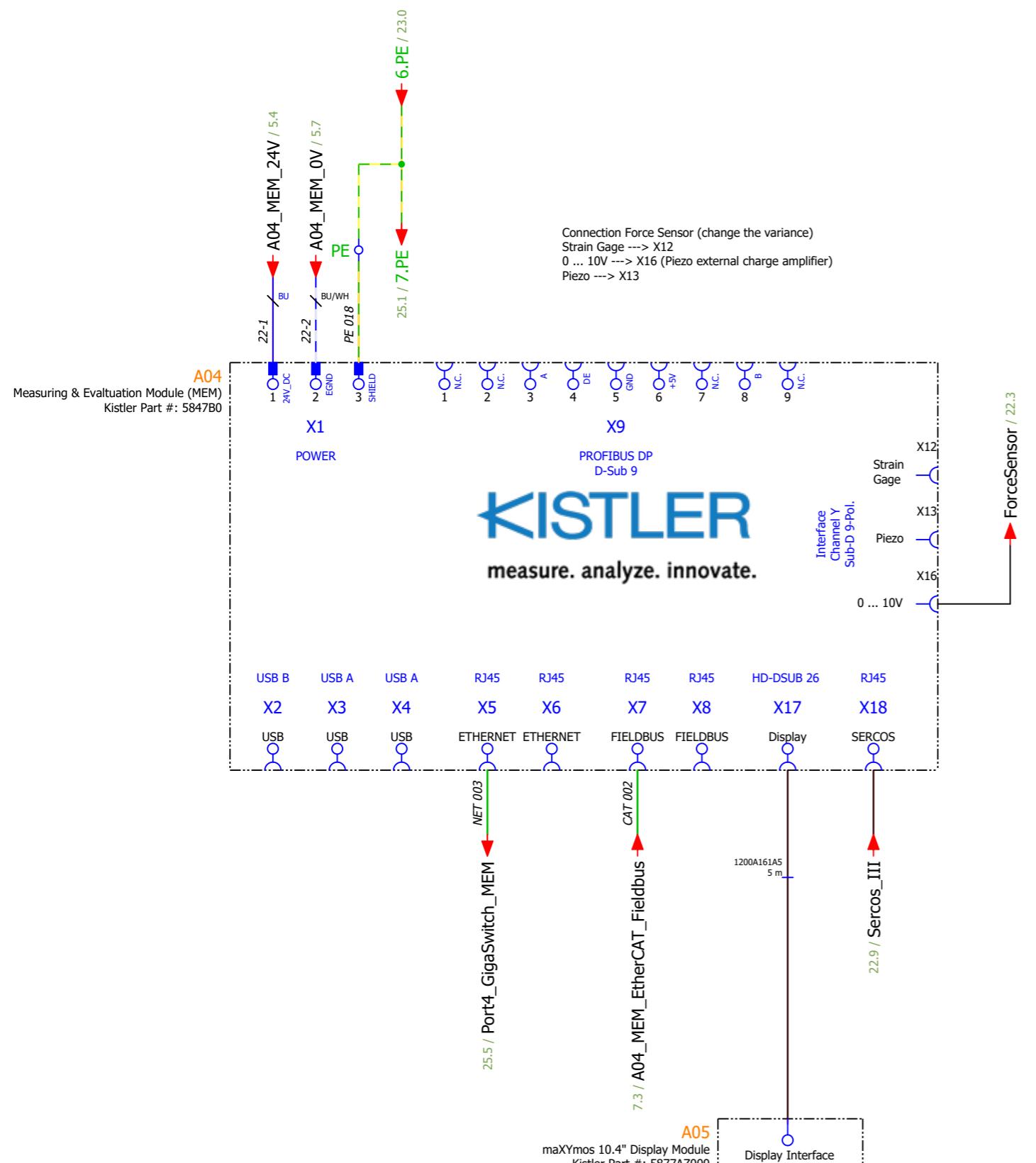




## IndraDrive C Servo Amplifie





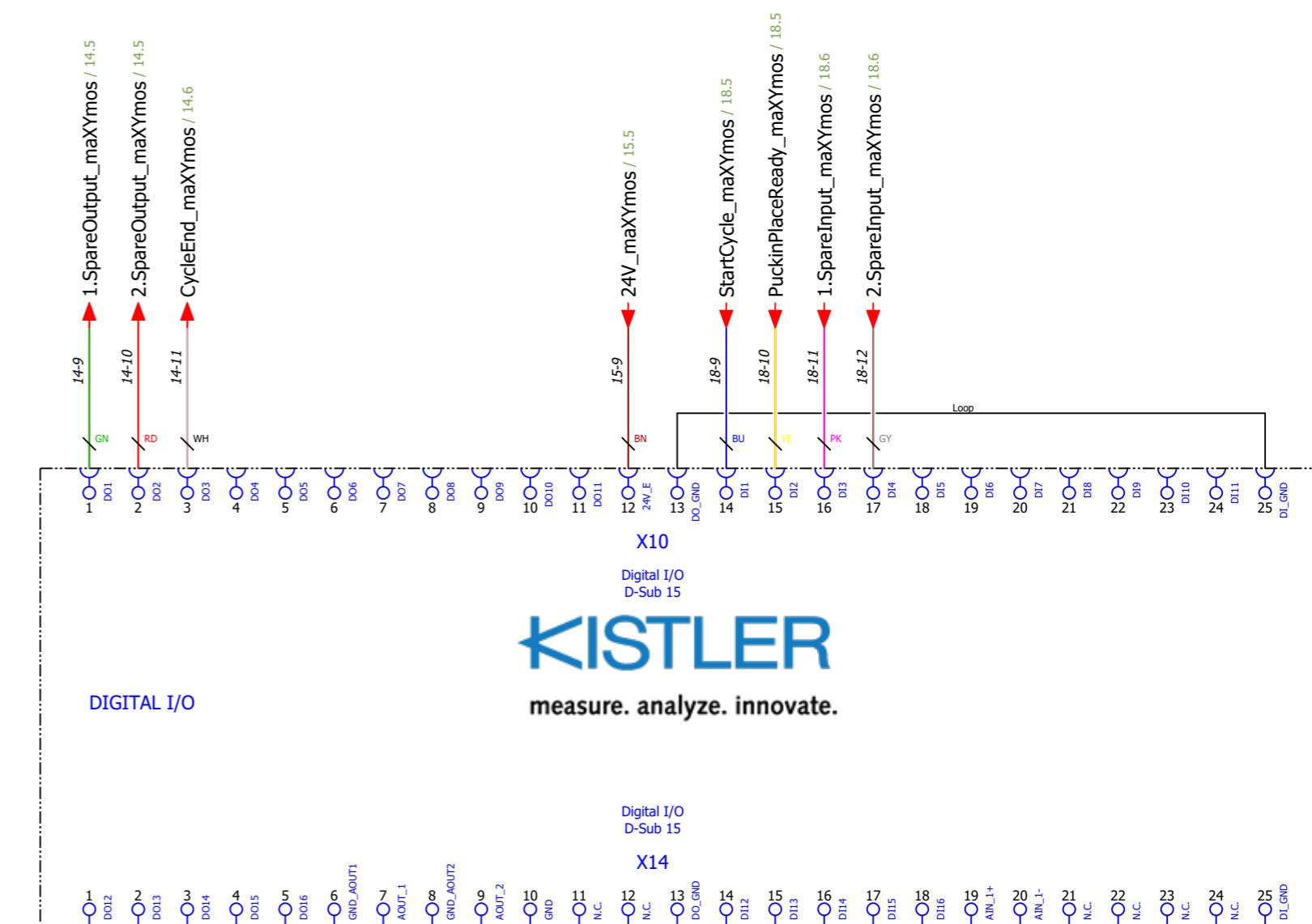


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**A05**  
maXYmos 10.4" Display Module  
Kistler Part #: 5877AZ000

Note: Display Module is NOT part of the Machine !!



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Digital I/O  
D-Sub 15

X14

