



460A121556
4600 471 All functions 100-240VAC

REV.	DATE	NAME	REVISIONS	REVISION
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			R. Stahl Tranberg AS Strandsvingen 6 4032 Stavanger Norway	
			CONTRACT : TEF4600 471	

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Drawing	Function	Location	Revision	Date	Created by	Description	Folder designation
01	=F1	+L1	2	13.12.2024	ommundsenfr	Cover page	
02	=F1	+L1	2	13.12.2024	ommundsenfr	Drawing list	
03	=F1	+L1	2	13.12.2024	ommundsenfr	Power Distribution	
04	=F1	+L1	2	13.12.2024	ommundsenfr	Auxiliary Relays	
05	=F1	+L1	2	13.12.2024	ommundsenfr	PLC CPU drawing	
06	=F1	+L1	2	13.12.2024	ommundsenfr	PLC Inputs 1 & 2	
07	=F1	+L1	2	13.12.2024	ommundsenfr	PLC Inputs 3 & 4	
08	=F1	+L1	2	13.12.2024	ommundsenfr	PLC Outputs 1 & 2	
09	=F1	+L1	2	13.12.2024	ommundsenfr	PLC Inputs 5 & 6	
10	=F1	+L1	2	13.12.2024	ommundsenfr	PLC Outputs 3 & 4	
11	=F1	+L1	2	13.12.2024	ommundsenfr	PLC Serial Communication Modules	
12	=F1	+L1	2	13.12.2024	ommundsenfr	CircleH Power & Serial comm	
13	=F1	+L1	2	13.12.2024	ommundsenfr	Bill of materials	
14	=F1	+L1	2	13.12.2024	ommundsenfr	Bill of materials	
15	=F1	+L1	2	13.12.2024	ommundsenfr	Bill of materials	

Symbol identification in drawing

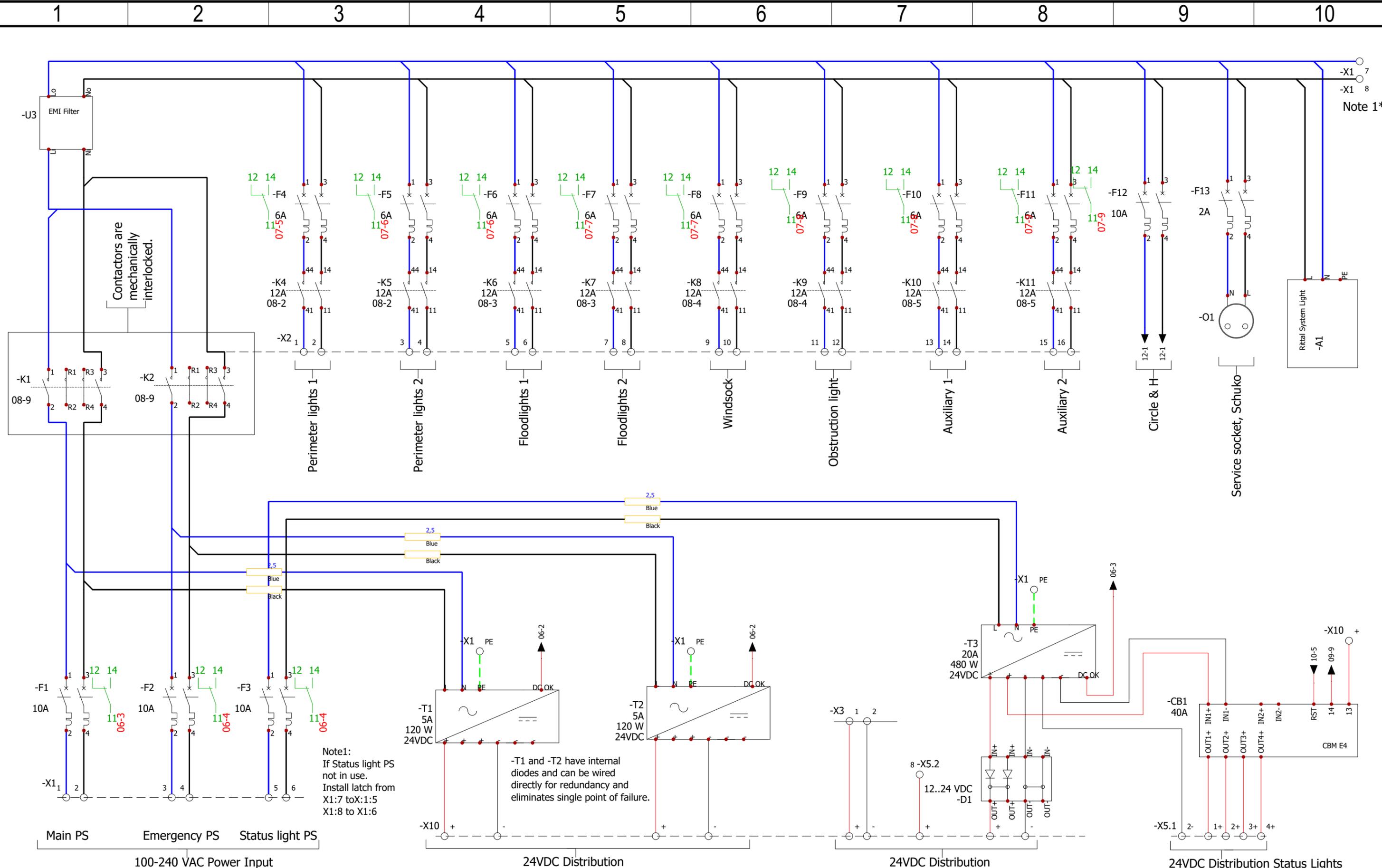
- = Indicates that terminal belong to the same terminal strip
- _____ = Indicates that terminals are looped

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4600 471 All functions 100-240VAC Power Distribution



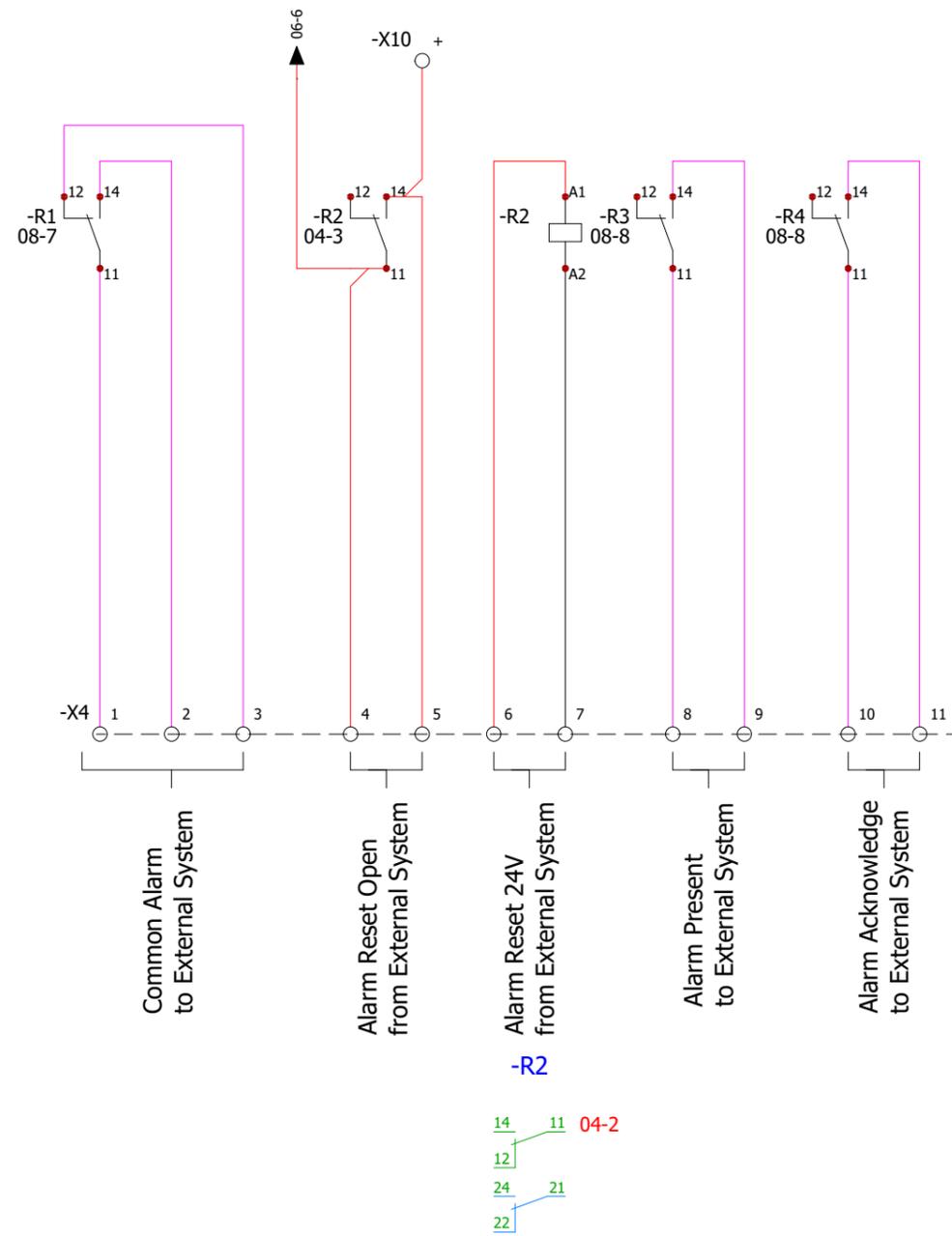
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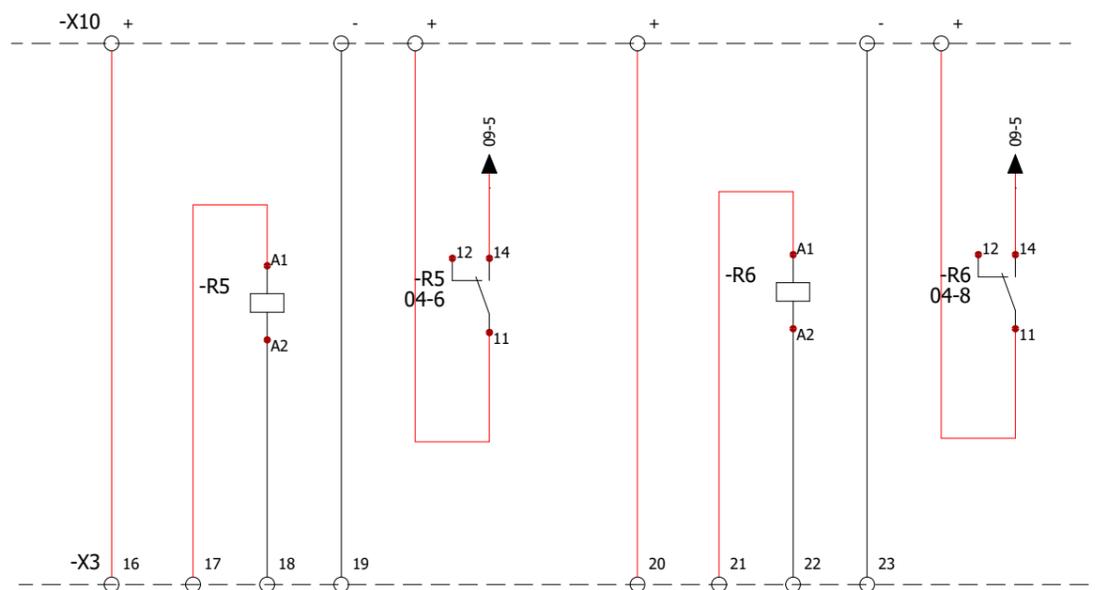
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Status Light External Activation



-R5: Fire & Gas external wave off activation.

-R6: Pitch & Roll external wave off activation.

Option 1: 24VDC from external source.
 No latching required.
 24VDC supply between X4:17,18

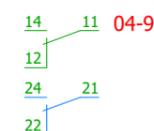
Option 1: 24VDC from external source.
 No latching required.
 24VDC supply between X4:21,22

Option2: Volt free dry contact from external source.
 Latch X4:18,19
 Signal contact between X4:16,17

Option2: Volt free dry contact from external source.
 Latch X4:22,23
 Signal contact between X4:20,21

-R5

-R6



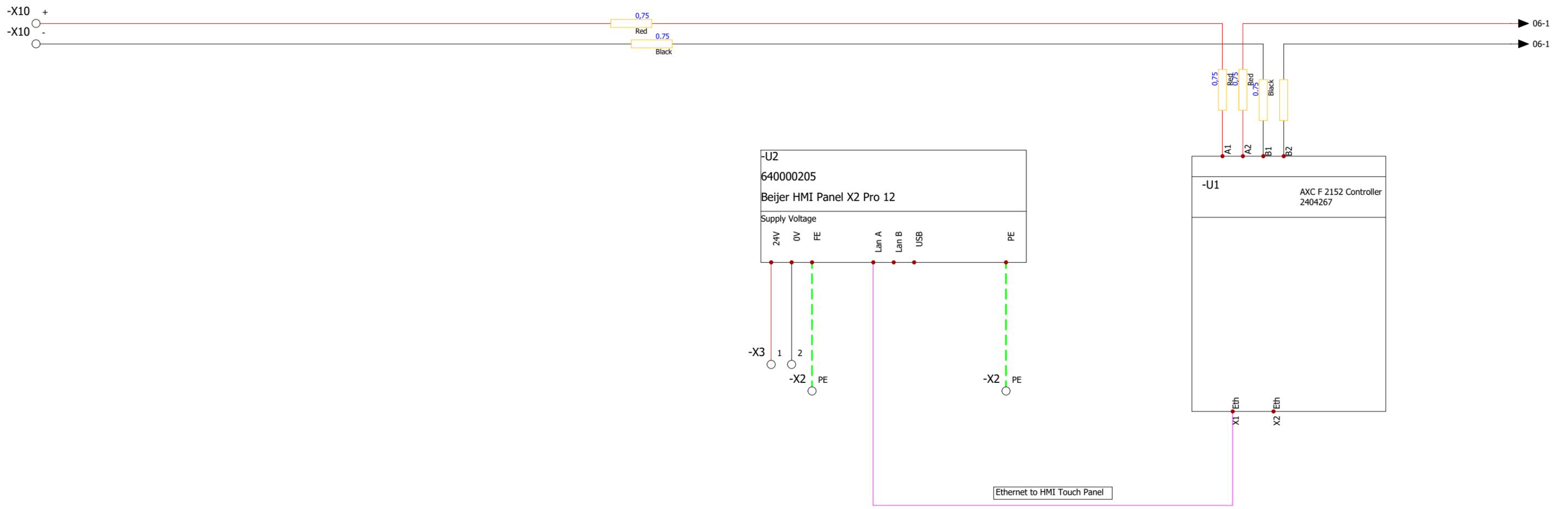
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 Auxiliary Relays



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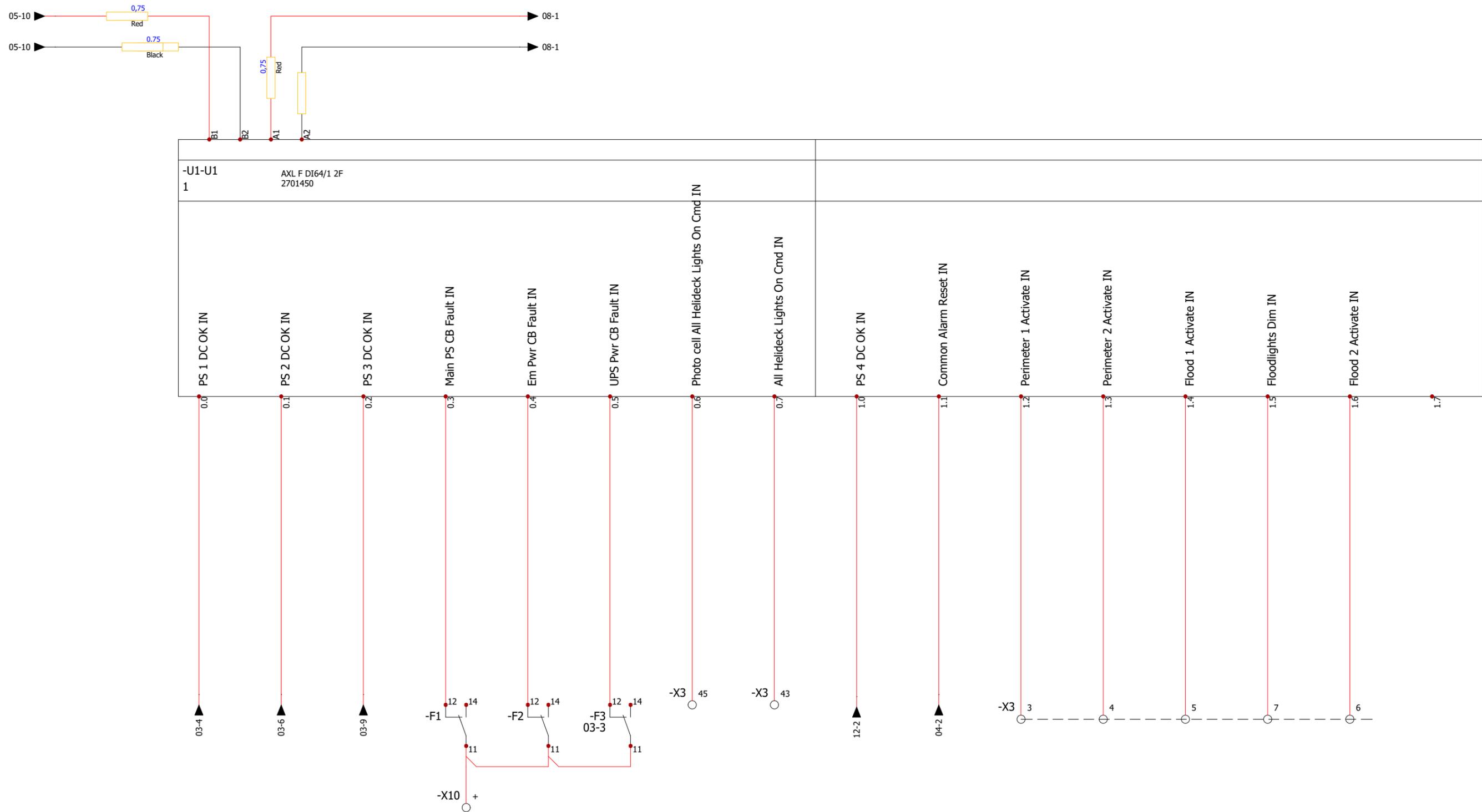
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PLC CPU drawing



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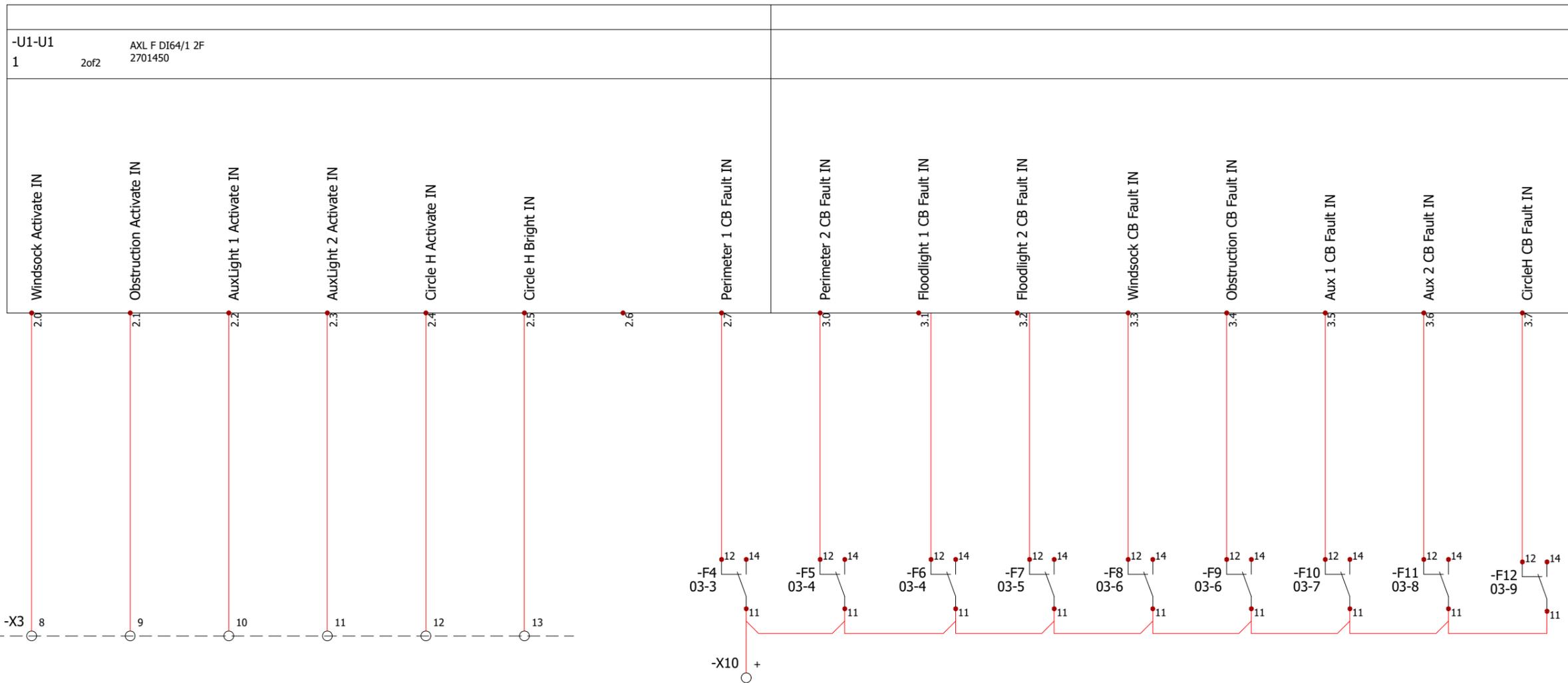
PLC Inputs 1 & 2

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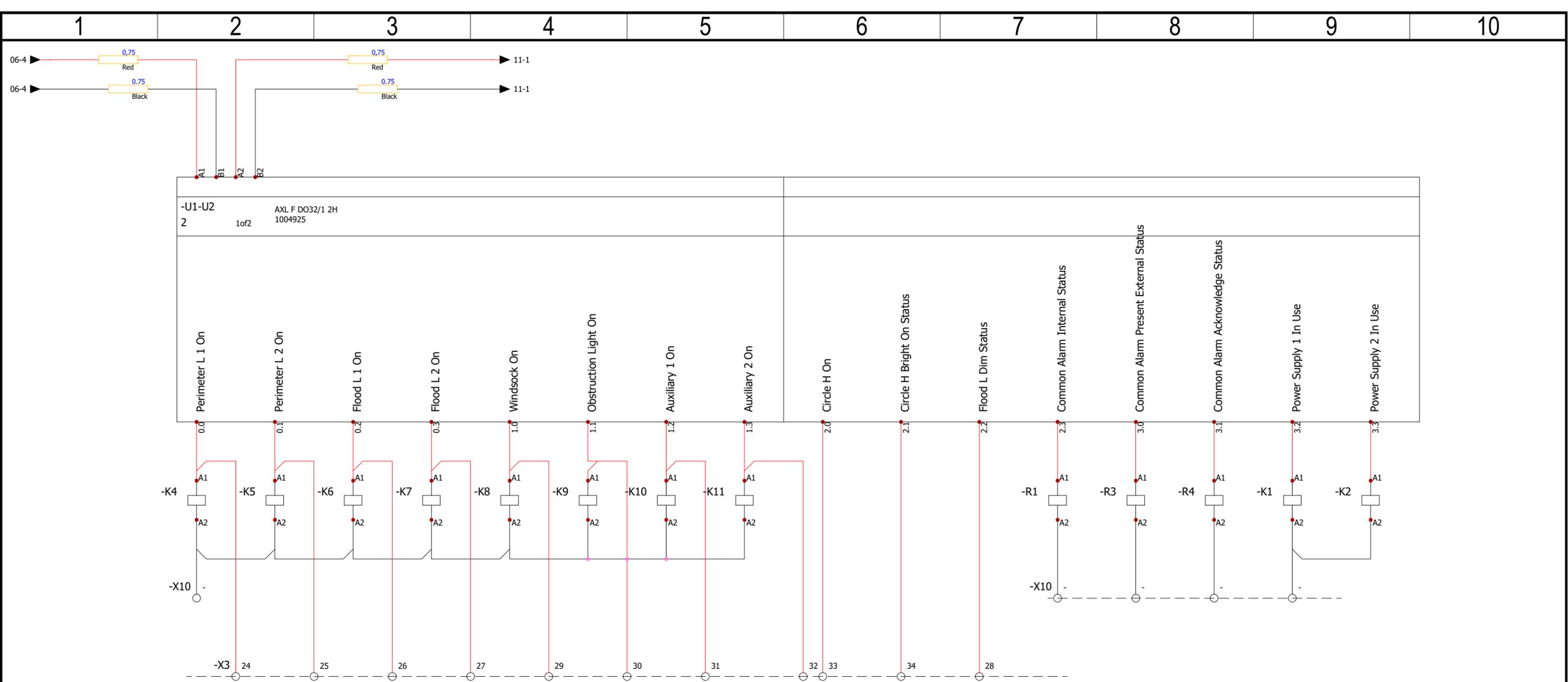
PLC Inputs 3 & 4



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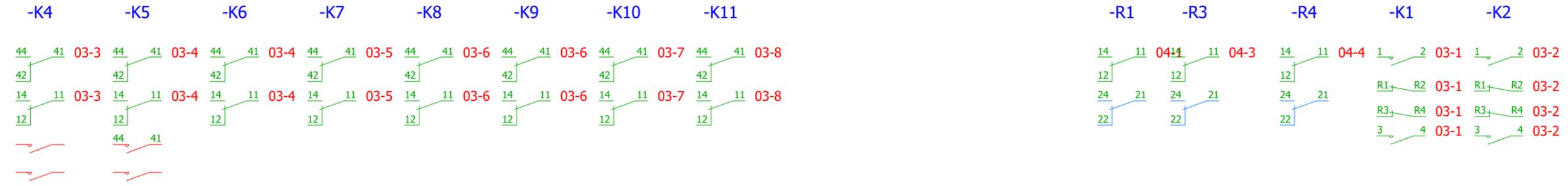
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Symbol identification in drawing



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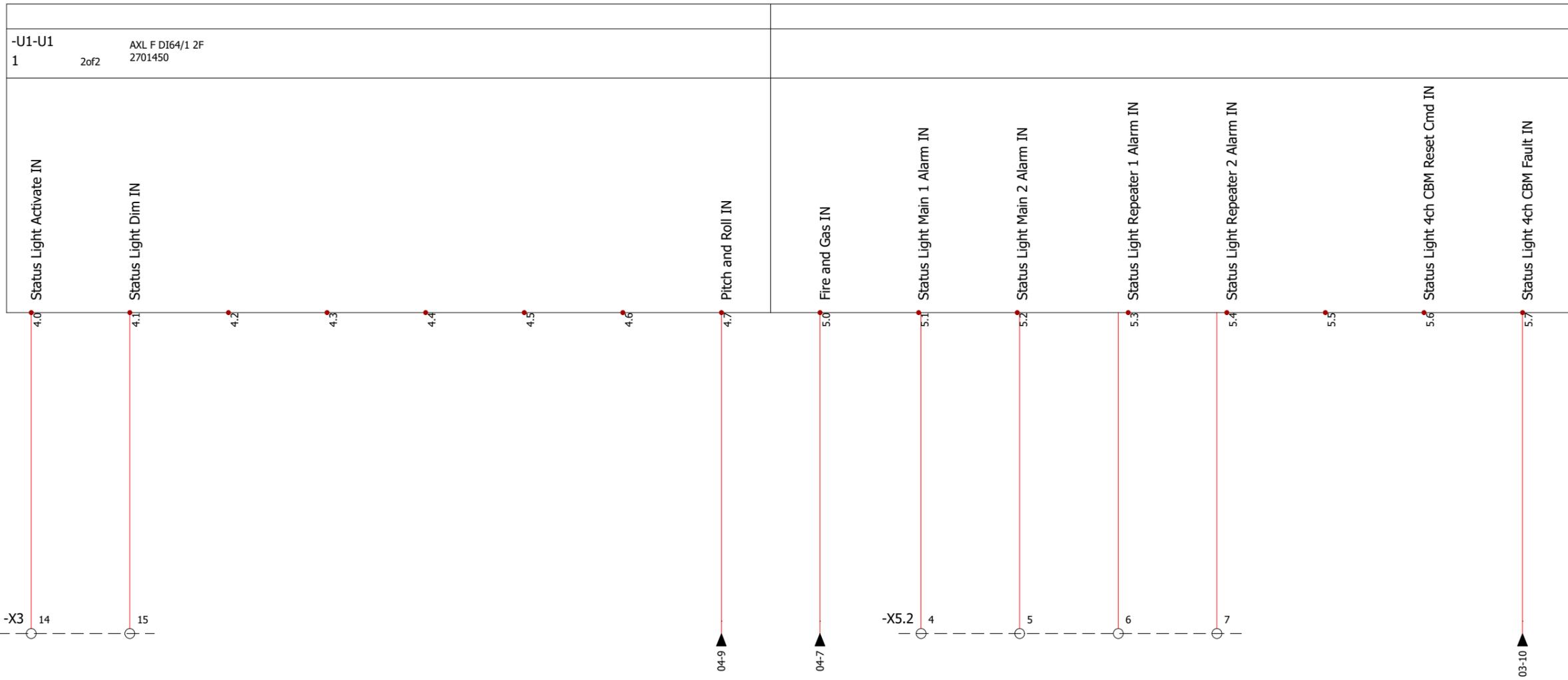
PLC Outputs 1 & 2



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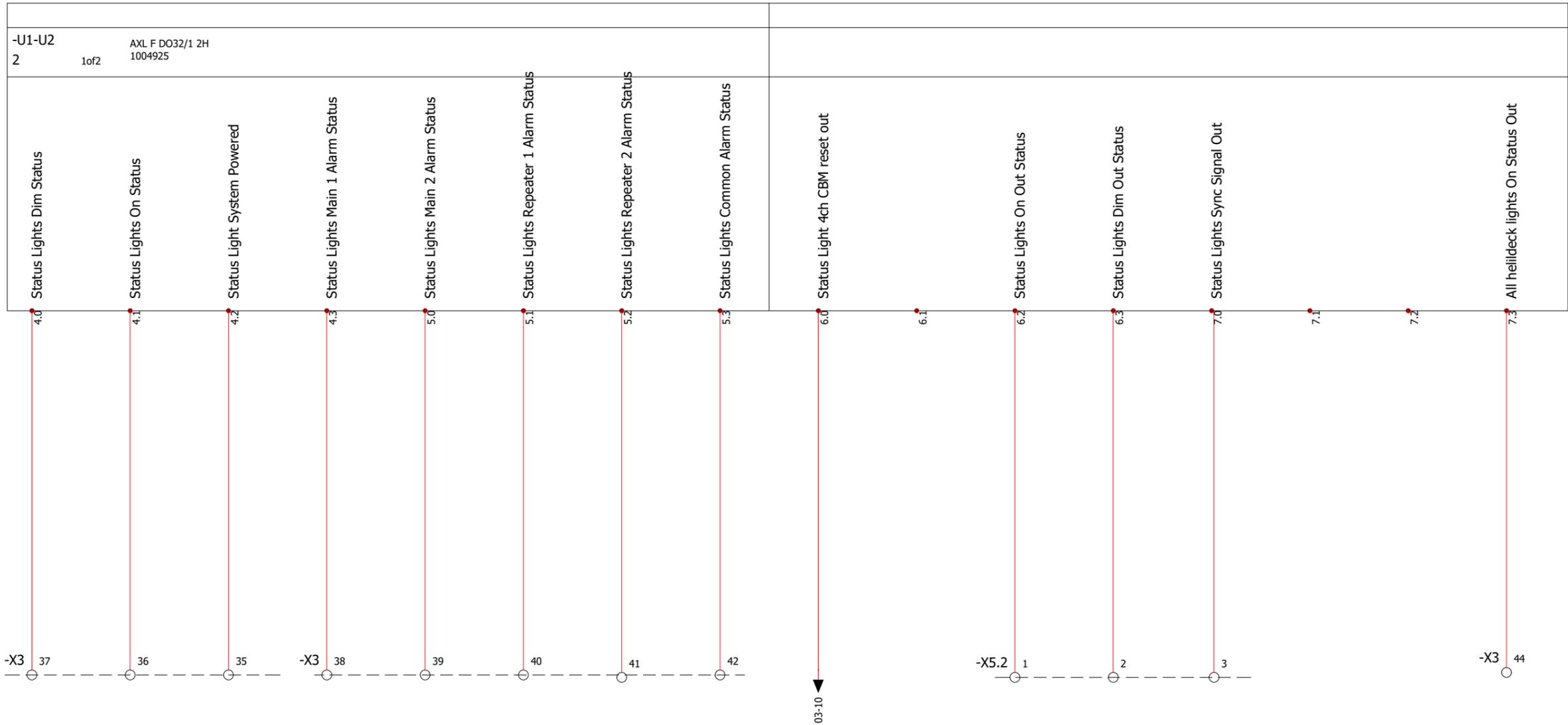
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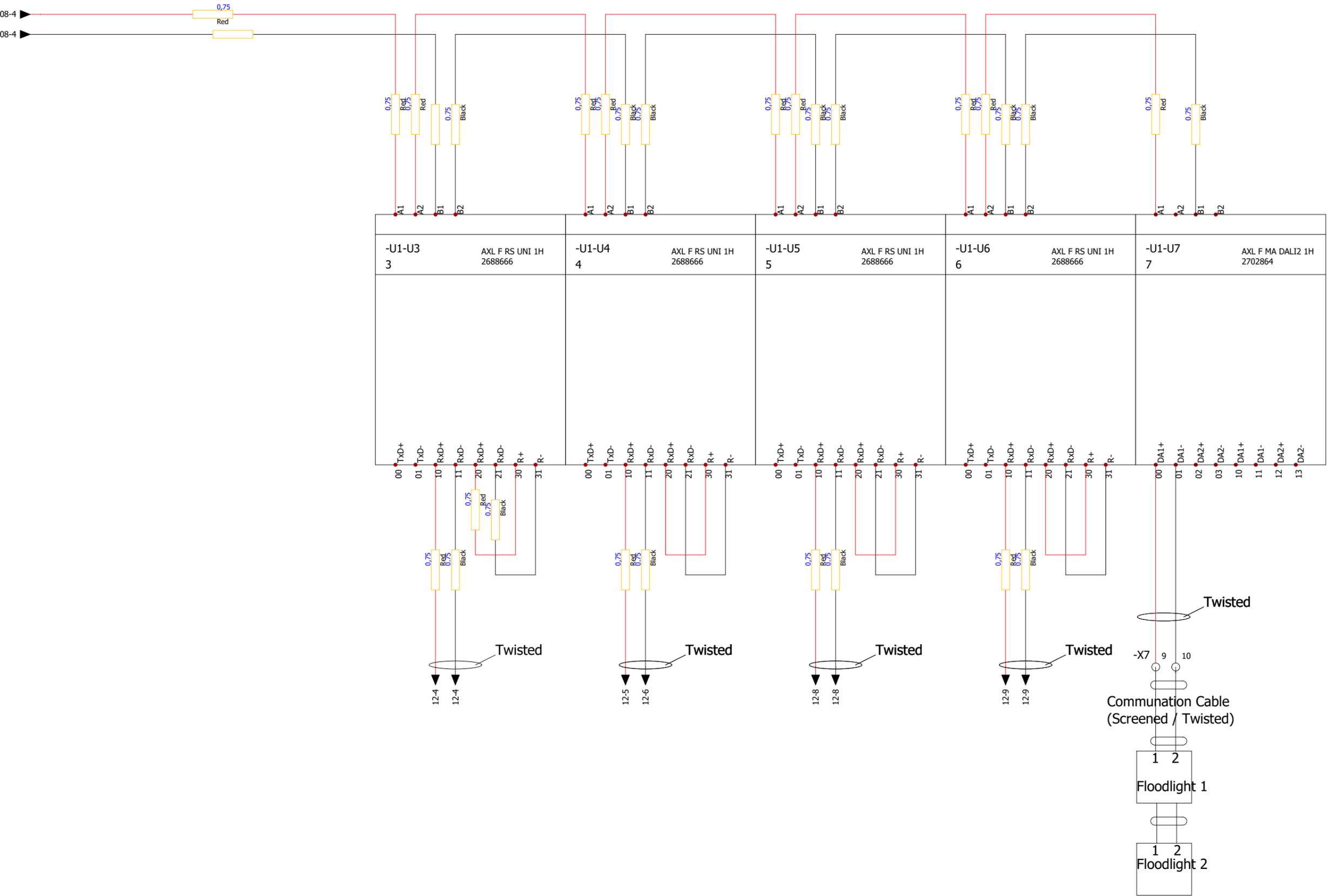
PLC Outputs 3 & 4



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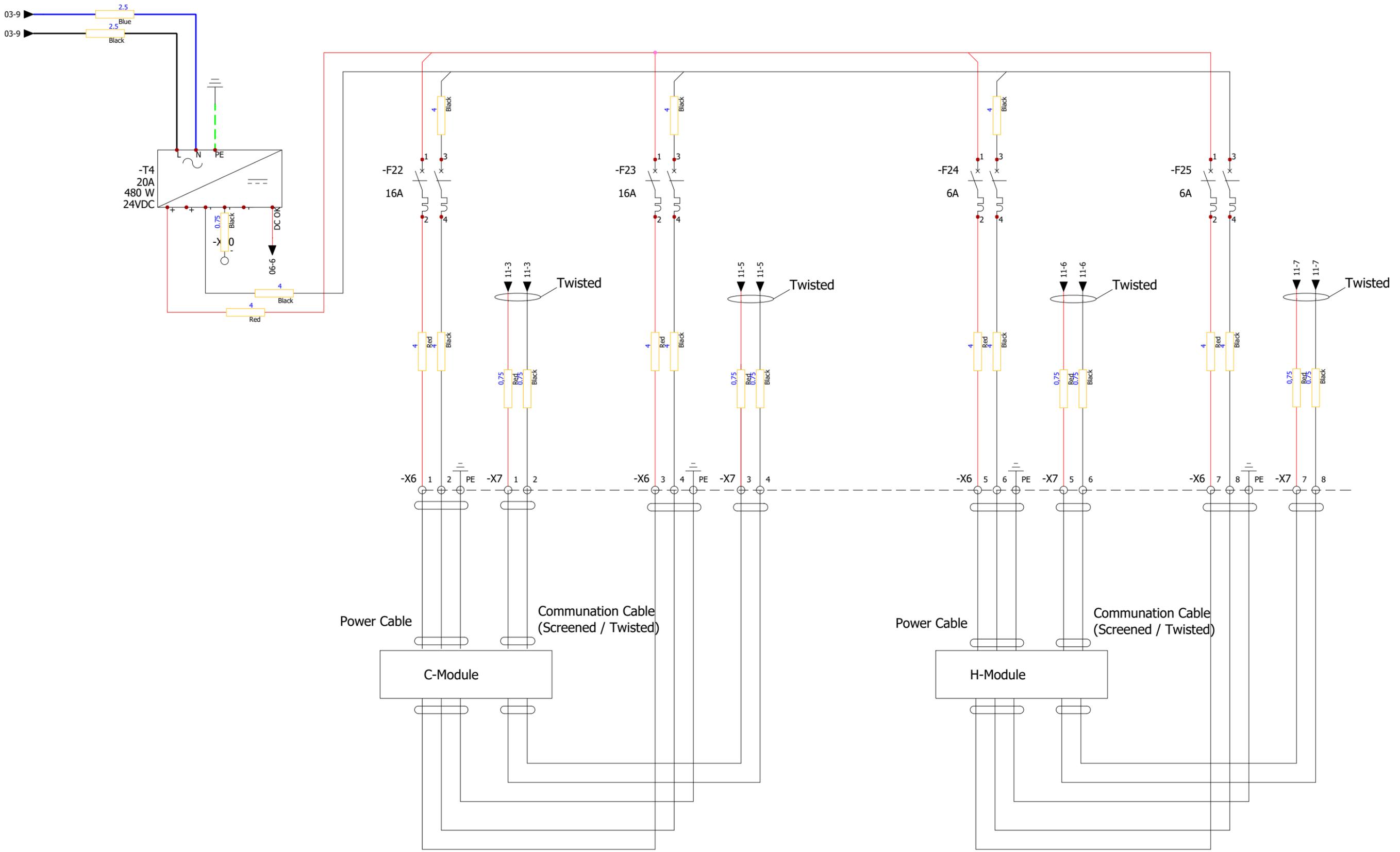
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PLC Serial Communication Modules

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CircleH Power & Serial comm



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Beijer

Reference	Mark	Description	Quantity
640000205	-U2	Beijer HMI Panel X2 Pro 12	1

Phoenix Contact

Reference	Mark	Description	Quantity
1004925	-U1-U2	AXL F DO32/1 2H	1
2320157	-D1	QUINT-DIODE/12-24DC/2X20/1X40	1
2404267	-U1	AXC F 2152 Controller	1
2688666	-U1-U3, -U1-U4, -U1-U5, -U1-U6	AXL F RS UNI 1H	4
2701450	-U1-U1	AXL F DI64/1 2F	1
2702864	-U1-U7	AXL F MA DALI2 1H	1
2866750	-T1, -T2	Phoenix Quint PSU 1AC 24DC 5A	2
2866776	-T3, -T4	Phoenix Quint PSU 1AC 24DC 20A	2
2905743	-CB1	Phoenix CBM E4 24VDC	1
3030417	-X3-1, -X3-2, -X4-3, -X4-5, -X4-7, -X4-9, -X4-11, -X3-15, -X3-18, -X3-20, -X3-21, -X3-22, -X3-23, -X3-42, -X3-43	End cover D-ST 2,5	17
3030420	-X2-2, -X2-4, -X2-10, -X2-12, -X2-14, -X2-16	End cover D-ST 4	6
3030433	-X1-2, -X1-4, -X1-6, -X1-7	End cover D-ST 6	4
3030514	-X10--, -X10+, -X5.2-8	End cover D-ST 2,5-QUATTRO	3
3031212	-X3-1, -X7-1, -X4-1, -X5-1, -X3-2, -X5-2, -X4-2, -X7-2, -X7-3, -X3-3, -X4-3, -X5-3, -X5-4, -X4-4, -X3-4, -X7-4, -X7-5, -X3-5, -X4-5, -X5-5, -X5-6, -X4-6, -X3-6, -X7-6, -X7-7, -X4-7, -X3-7, -X5-7, -X5-8, -X4-8, -X3-8, -X7-8, -X4-9, -X3-9, -X3-10, -X4-10, -X4-11, -X3-11, -X3-12, -X3-13, -X3-14, -X3-15, -X3-16, -X3-17, -X3-18, -X3-19, -X3-20, -X3-21, -X3-22, -X3-23, -X3-24, -X3-25, -X3-26, -X3-27, -X3-28, -X3-29, -X3-30, -X3-31, -X3-32, -X3-33, -X3-34, -X3-36, -X3-37, -X3-38, -X3-39, -X3-40, -X3-41, -X3-42, -X3-43, -X3-44	Feed-through terminal block ST 2,5	74
3031364	-X2-1, -X2-2, -X2-3, -X2-4, -X2-5, -X2-6, -X2-7, -X2-8, -X2-9, -X2-10, -X2-11, -X2-12, -X2-13, -X2-14, -X2-15, -X2-16	Feed-through terminal block ST 4	16
3031380	-X2-PE	Ground terminal block ST 4-PE	11
3031487	-X6-1, -X1-1, -X1-2, -X6-2, -X6-3, -X1-3, -X1-4, -X6-4, -X6-5, -X1-5, -X1-6, -X6-6, -X1-7, -X6-7, -X6-8, -X1-8	Feed-through terminal block ST 6	16
3031500	-X1-PE, -X6-PE	Ground terminal block ST 6-PE	7

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-> Phoenix Contact

Reference	Mark	Description	Quantity
3036110	-X5.1-1-, -X5.1-1+, -X5.1-2-, -X5.1-2+, -X5.1-3-, -X5.1-3+, -X5.1-4-, -X5.1-4+, -X5.1-X	Feed-through terminal block ST 10	12
3036136	-X5.1-PE	Ground terminal block ST 10-PE	4
3036644	-X5.1-4-, -X5.1-PE, -X5.1-X	End cover D-ST 10	3
3209578	-X10--, -X10+, -X5.2-1, -X5.2-2, -X5.2-3, -X5.2-4, -X5.2-5, -X5.2-6, -X5.2-7, -X5.2-8	Feed-through terminal block PT 2,5-QUATTRO	29

Rittal

Reference	Mark	Description	Quantity
VX 2500.300	-A1, +L1	Rittal LED system light 2500.300	2
VX 2500.500	+L1	Rittal Connection cable 2500.500	1
VX 2531.000	+L1	Rittal enclosure key 2531.000	1
VX 4116.000	+L1	Rittal wiring plan pocket for sheet steel for VX, TS, CM, SE, PC, TP pedestal	1
VX 8184.245	+L1	Rittal Side panel, screw-fastened, sheet steel for VX	1
VX 8618.306	+L1	Rittal lock insert 8618.306	1
VX 8618.430	+L1	Rittal Dørstopper VX 8618.430	1
VX 8640.002	+L1	Rittal Base/ plinth corner pieces with base/ plinth trim panels, front and rear, optimized design, 100 mm	1
VX 8640.031	+L1	Rittal Base/plinth trim panels, side, sheet steel, optimized design, 100 mm for base/plinth system VX, sheet steel	1
VX 8684.000	+L1	VX25 Basic Enclosure 8684.000	1

Schaffner

Reference	Mark	Description	Quantity
50229521	-U3	Schaffner, FN2060 16A 250 V ac 0 → 400Hz, Chassis Mount RFI Filter, Tab, Single Phase	1

Schneider Electric

Reference	Mark	Description	Quantity
A9A15310	-O1	DIN socket iPC - 2P+E - 16A - 250VAC	1
A9A19801	-F1, -F2, -F3, -F12	Acti9 iC60 RCBO - auxiliary contact - 1OF - AC/DC -A9A19801	4
A9A26924	-F4, -F5, -F6, -F7, -F8, -F9, -F10, -F11	Auxiliary contact iOF - 1 C/O - AC/DC	8
A9D47210	-F1, -F2, -F3, -F12	Acti9 iC60 RCBO - 2P - 10 A - B Curve - 10000A/15kA - 30 mA - SI type	4
A9F06206	-F4, -F5, -F6, -F7, -F8, -F9, -F10, -F11, -F24, -F25	Miniature circuit breaker iC60H - 2P - 6A - B curve	10
A9F06216	-F22, -F23	Miniature circuit breaker iC60H - 2P - 16A - B curve	2
A9F07202	-F13	Miniature circuit breaker iC60H - 2P - 2A - C curve	1
LC1D128BD	-K1, -K2	Kontaktor 25AC1 2N0/2NC 24DC	2

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Reference	Mark	Description	Quantity
EM18	-K4, -K5, -K6, -K7, -K8, -K9, -K10, -K11, -R1, -R2, -R3, -R4, -R5, -R6	Protection diode, red LED, for RT78726//RT7872P	14
PT17016	-K4, -K5, -K6, -K7, -K8, -K9, -K10, -K11	Retainer for relay socket PT78720	8
PT17040	-K4, -K5, -K6, -K7, -K8, -K9, -K10, -K11	Marking tag for PT78720	8
PT78720	-K4, -K5, -K6, -K7, -K8, -K9, -K10, -K11	Relay Socket PT series 2C/O	8
PT270024	-K4, -K5, -K6, -K7, -K8, -K9, -K10, -K11	RELE TE/SCHRACK PT270024 DPCO 12A 24VDC	8
RT17017	-R1, -R2, -R3, -R4, -R5, -R6	Retainer for relay socket RT78726/RT7872P	6
RT17040	-R1, -R2, -R3, -R4, -R5, -R6	Marking tag for RT78726/RT7872P	6
RT78726	-R1, -R2, -R3, -R4, -R5, -R6	Relay Socket RT series 2C/O	6
RT424024	-R1, -R2, -R3, -R4, -R5, -R6	RELE TE/SCHRACK RT424024 24VDC	6

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