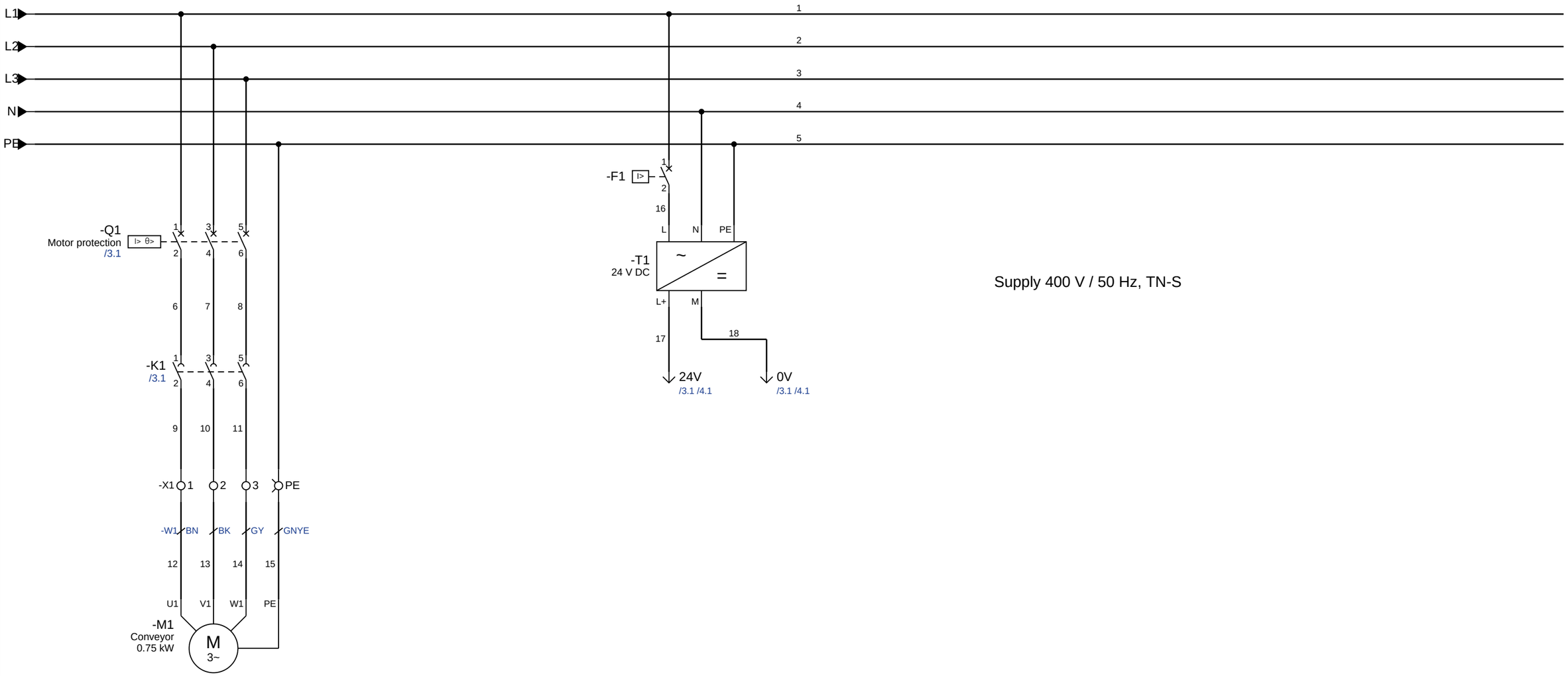
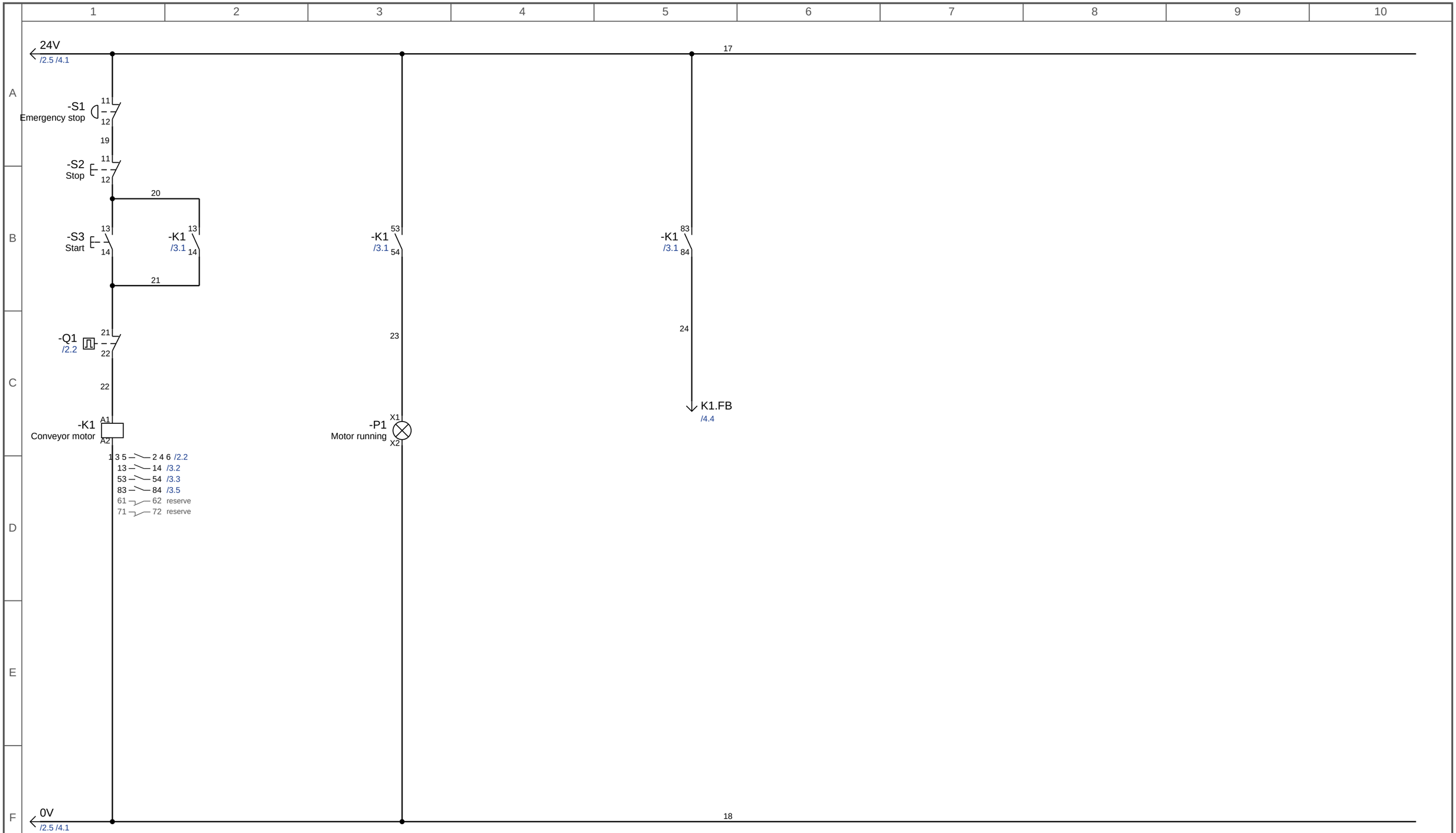
Demo conveyor

Direct-on-line motor starter
with PLC controlled valve

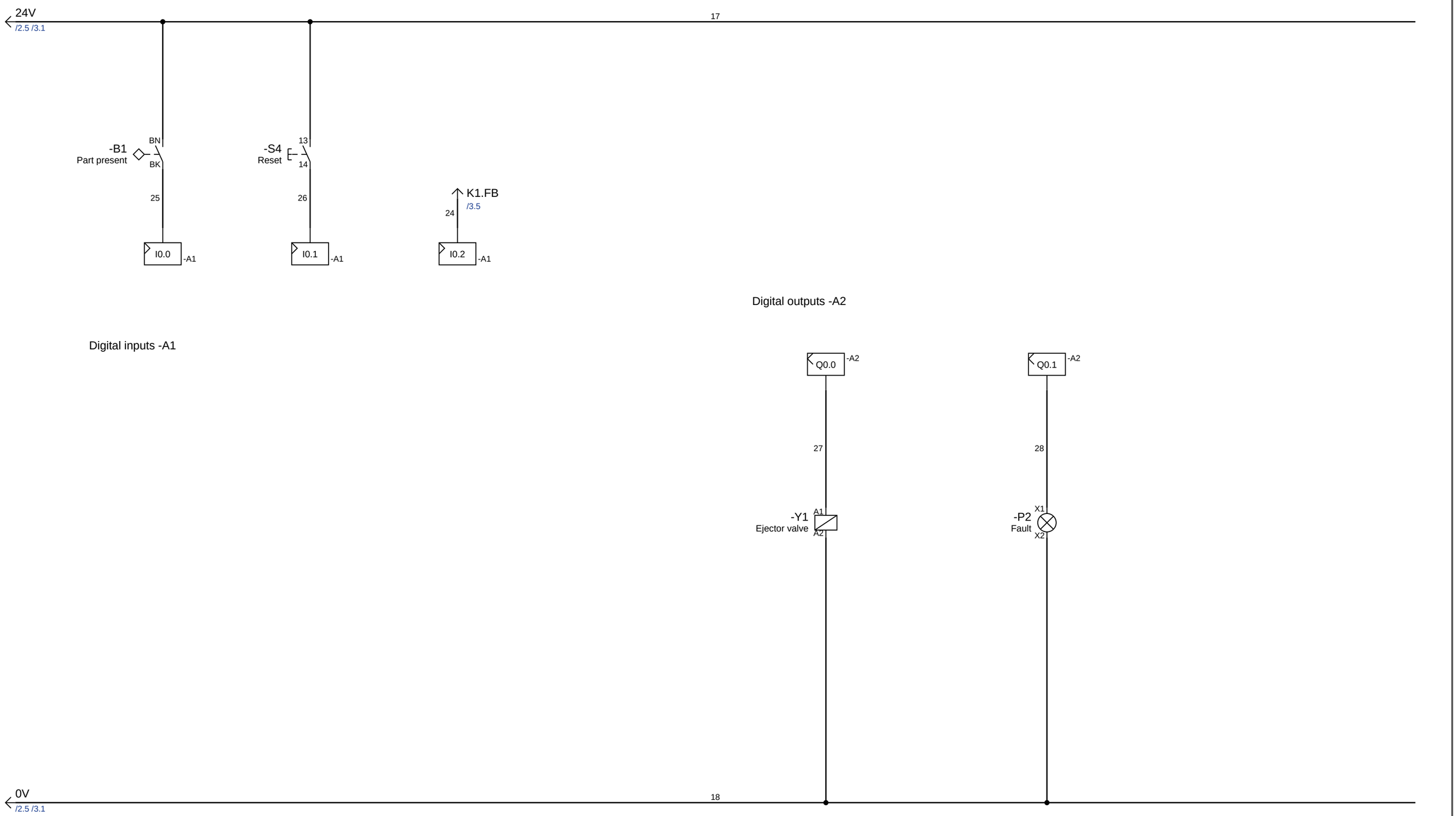
Company	OpenECraft
Created by	OpenECraft
Date	2026-10-19
Revision	A
Number of pages	8



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OpenECraft	2026-10-19	A	Demo conveyor	2	2 / 8
	Creator	Software	Power supply conveyor motor	Type	Project
	OpenECraft	OpenECraft		Schematic	Demo conveyor



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	Creator	Software	Control circuit conveyor	Type	Project
	OpenECraft	OpenECraft		Schematic	Demo conveyor



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	Creator: OpenECraft	Software: OpenECraft	PLC inputs / outputs	Type: Schematic	Project: Demo conveyor

Bill of materials

Pos	Qty	Unit	Part number	Type number	Manufacturer	Description	Devices	Unit price	Total
1	1	pcs	GEN.AUX-2NO2NC	AUX-2NO2NC	Generic	Auxiliary contact block 2 NO + 2 NC, front mounting	-K1	14.60 EUR	14.60
2	15	m	GEN.CBL-4G1.5	CBL-4G1.5	Generic	Power cable 4G1.5, rubber sheathed	-W1	2.40 EUR	36.00
3	1	pcs	GEN.CT-9A-24DC	CT-9A-24DC	Generic	Contactor 3P 9 A, coil 24 V DC, 1 NO aux	-K1	38.50 EUR	38.50
4	1	pcs	GEN.DUCT-25X30	DUCT-25X30	Generic	Cable duct 25 x 30 mm, 2 m, for doors	+CAB1	6.50 EUR	6.50
4.1	1	pcs				Cut length 680 mm	+CAB1		incl.
4.2	2	pcs				Cut length 417.5 mm	+CAB1		incl.
5	2	pcs	GEN.DUCT-40X60	DUCT-40X60	Generic	Cable duct 40 x 60 mm, 2 m	+CAB1	11.00 EUR	22.00
5.1	2	pcs				Cut length 670 mm	+CAB1		incl.
5.2	2	pcs				Cut length 550 mm	+CAB1		incl.
5.3	2	pcs				Cut length 470 mm	+CAB1		incl.
6	2	pcs	GEN.EB-35	EB-35	Generic	End bracket for TS 35 mounting rail	-X1	1.10 EUR	2.20
7	1	pcs	GEN.ENC-600X800	ENC-600X800	Generic	Steel enclosure 600 x 800 x 250 mm, IP66	+CAB1	320.00 EUR	320.00
8	1	pcs	GEN.ESTOP-1NC	ESTOP-1NC	Generic	Emergency stop mushroom 40 mm, twist release, 1 NC	-S1	24.60 EUR	24.60
9	34	pcs	GEN.FER-0.75	FER-0.75	Generic	Ferrule 0.75 mm², insulated, grey, 8 mm	wiring	0.03 EUR	1.02
10	12	pcs	GEN.FER-1.5	FER-1.5	Generic	Ferrule 1.5 mm², insulated, black, 8 mm	wiring	0.03 EUR	0.36
11	4	pcs	GEN.FER-2.5	FER-2.5	Generic	Ferrule 2.5 mm², insulated, blue, 8 mm	wiring	0.03 EUR	0.12
12	1	pcs	GEN.GLAND-M25	GLAND-M25	Generic	Cable gland M25 x 1.5, polyamide, light grey, IP68, cable Ø 9 – 17 mm	+CAB1	1.90 EUR	1.90
13	1	pcs	GEN.LMP-GN-24	LMP-GN-24	Generic	Indicator lamp green, LED 24 V	-P1	9.10 EUR	9.10
14	1	pcs	GEN.LMP-RD-24	LMP-RD-24	Generic	Indicator lamp red, LED 24 V	-P2	9.10 EUR	9.10
15	2	pcs	GEN.MARK-CABLE	MARK-CABLE	Generic	Cable marker for cable Ø 4 – 10 mm, white, printable	marking	0.12 EUR	0.24
16	9	pcs	GEN.MARK-DEV	MARK-DEV	Generic	Device marker 15 x 5 mm, white, printable	marking	0.08 EUR	0.72
17	6	pcs	GEN.MARK-LEG	MARK-LEG	Generic	Legend plate 27 x 8 mm for 22 mm command devices, printable	marking	0.35 EUR	2.10
18	5	pcs	GEN.MARK-TB-5	MARK-TB-5	Generic	Terminal marker 5.2 mm, white, printable	marking	0.02 EUR	0.10
19	60	pcs	GEN.MARK-WIRE	MARK-WIRE	Generic	Wire marker sleeve for 0.5 – 2.5 mm², white, printable	marking	0.03 EUR	1.80
20	1	pcs	GEN.MCB-1P-C6	MCB-1P-C6	Generic	Miniature circuit breaker 1P C6	-F1	8.70 EUR	8.70
21	1	pcs	GEN.MOT-0.75KW	MOT-0.75KW	Generic	Three-phase motor 0.75 kW 400 V, 1400 rpm	-M1	180.00 EUR	180.00
22	1	pcs	GEN.MPS-2.5-4A	MPS-2.5-4A	Generic	Motor protection switch 2.5 - 4 A	-Q1	61.00 EUR	61.00
23	1	pcs	GEN.MPS-AUX-1NO1NC	MPS-AUX-1NO1NC	Generic	Auxiliary switch for motor protection switch, 1 NO + 1 NC, lateral mou…	-Q1	12.90 EUR	12.90
24	2	pcs	GEN.PB-GN-1NO	PB-GN-1NO	Generic	Pushbutton green, 1 NO	-S3, -S4	11.20 EUR	22.40
25	1	pcs	GEN.PB-RD-1NC	PB-RD-1NC	Generic	Pushbutton red, 1 NC	-S2	11.20 EUR	11.20
26	1	pcs	GEN.PLC-DI16	PLC-DI16	Generic	PLC digital input module 16 x 24 V DC	-A1	145.00 EUR	145.00
27	1	pcs	GEN.PLC-DO16	PLC-DO16	Generic	PLC digital output module 16 x 24 V DC 0.5 A	-A2	165.00 EUR	165.00
28	1	pcs	GEN.PROX-M12-PNP	PROX-M12-PNP	Generic	Inductive proximity sensor M12, PNP NO, Sn 4 mm	-B1	29.00 EUR	29.00
29	1	pcs	GEN.PS-24DC-5A	PS-24DC-5A	Generic	Power supply 230 V AC / 24 V DC 5 A	-T1	89.00 EUR	89.00
30	1.29	m	GEN.RAIL-TS35-1M	RAIL-TS35-1M	Generic	Mounting rail TS 35 x 7.5, perforated, 1 m	+CAB1	6.50 EUR	8.39
30.1	3	pcs				Cut length 430 mm	+CAB1		incl.
31	20	pcs	GEN.SCREW-M4X10	SCREW-M4X10	Generic	Combination screw M4 x 10, ISO 7045, steel zinc plated	+CAB1	0.16 EUR	3.20
32	12	pcs	GEN.SCREW-M5X12	SCREW-M5X12	Generic	Combination screw M5 x 12, ISO 7045, steel zinc plated	+CAB1	0.20 EUR	2.40
33	1	pcs	GEN.SV-24DC	SV-24DC	Generic	Solenoid valve coil 24 V DC, 4.8 W	-Y1	22.50 EUR	22.50
34	3	pcs	GEN.TB-2.5	TB-2.5	Generic	Feed-through terminal 2.5 mm², grey	-X1	0.95 EUR	2.85

… 3 more rows – see Reports window / CSV export

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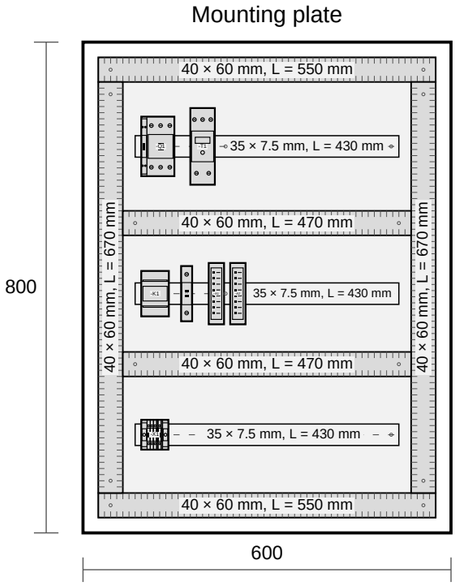
Terminal diagram

Strip	Terminal	Level	Jumper	External (top)	Internal (bottom)	Potential	Location	Function text
-X1	End bracket			GEN.EB-35				
-X1	1			-K1:2	-M1:U1	N4	/2.2	
-X1	2			-K1:4	-M1:V1	N5	/2.2	
-X1	3			-K1:6	-M1:W1	N6	/2.2	
-X1	End plate			GEN.TB-END				
-X1	PE			-T1:PE, =PE	-M1:PE	PE	/2.2	
-X1	End plate			GEN.TB-END				
-X1	End bracket			GEN.EB-35				

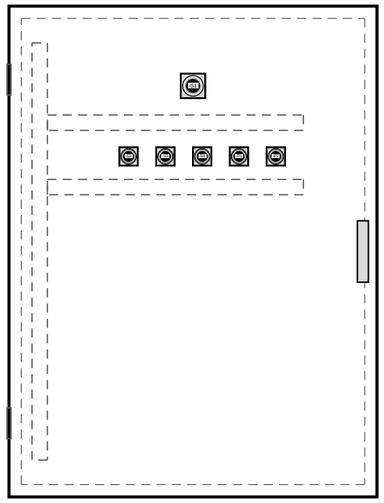
Device list

Device tag	Main function	Function text	Location	Aux. functions	Part number	Description
-A1	PLC digital input ×3	Part present	/4.2	0	GEN.PLC-DI16	PLC digital input module 16 x 24 V DC
-A2	PLC digital output ×2	Valve	/4.6	0	GEN.PLC-DO16	PLC digital output module 16 x 24 V DC 0.5 A
-B1	Proximity sensor NO	Part present	/4.2	0	GEN.PROX-M12-PNP	Inductive proximity sensor M12, PNP NO, Sn 4 mm
-F1	Circuit breaker 1-pole		/2.5	0	GEN.MCB-1P-C6	Miniature circuit breaker 1P C6
-K1	Relay / contactor coil	Conveyor motor	/3.1	4	GEN.CT-9A-24DC, GEN.AUX-2NO2NC	Contactor 3P 9 A, coil 24 V DC, 1 NO aux
-M1	Motor 3-phase	Conveyor 0.75 kW	/2.2	0	GEN.MOT-0.75KW	Three-phase motor 0.75 kW 400 V, 1400 rpm
-P1	Indicator lamp	Motor running	/3.3	0	GEN.LMP-GN-24	Indicator lamp green, LED 24 V
-P2	Indicator lamp	Fault	/4.8	0	GEN.LMP-RD-24	Indicator lamp red, LED 24 V
-Q1	Motor protection switch	Motor protection	/2.2	1	GEN.MPS-2.5-4A, GEN.MPS-AUX-1NO1NC	Motor protection switch 2.5 - 4 A
-S1	Emergency stop NC	Emergency stop	/3.1	0	GEN.ESTOP-1NC	Emergency stop mushroom 40 mm, twist release, 1 NC
-S2	Push button NC	Stop	/3.1	0	GEN.PB-RD-1NC	Pushbutton red, 1 NC
-S3	Push button NO	Start	/3.1	0	GEN.PB-GN-1NO	Pushbutton green, 1 NO
-S4	Push button NO	Reset	/4.3	0	GEN.PB-GN-1NO	Pushbutton green, 1 NO
-T1	Power supply AC/DC	24 V DC	/2.5	0	GEN.PS-24DC-5A	Power supply 230 V AC / 24 V DC 5 A
-X1	Terminal ×4		/2.2	0	GEN.TB-2.5, GEN.TB-PE-2.5	Feed-through terminal 2.5 mm², grey
-Y1	Solenoid valve coil	Ejector valve	/4.6	0	GEN.SV-24DC	Solenoid valve coil 24 V DC, 4.8 W

Mounting plate



Door (front view)



Bottom



+CAB1 GEN.ENC-600X800 - 600 x 800 x 250 mm - Scale 1:10

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OpenECraft	2026-10-19	A	Demo conveyor	8	8 / 8
	Creator	Software	Mounting layout +CAB1	Type	Project
	OpenECraft	OpenECraft		Mounting	Demo conveyor