



FlexLink®

Control box

5059607

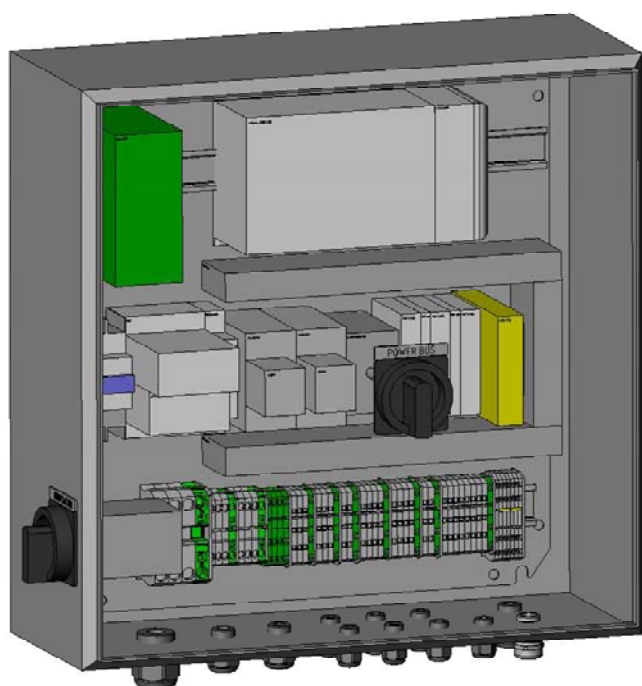
User documentation ver 1.0

Control box

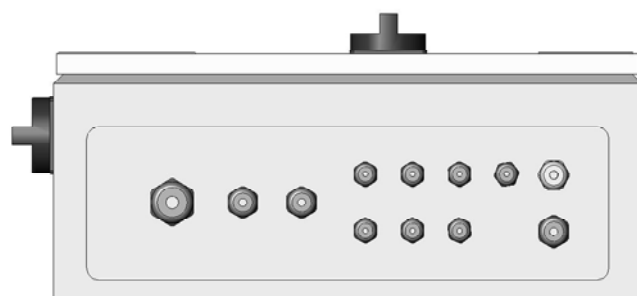
Views



Exterior view



Interior view



Bottom view

Control box

Electrical supply

Voltage	480 VAC
Phases	3
Frequency	60 Hz
Current	20 A maximum

Voltage	230 VAC
Phases	2
Frequency	60 Hz
Current	3 A maximum

Short-circuit capacity	10 kA
Electrical diagram	5059607-01

Physical dimension

Height	500 mm
Width	500 mm (enclosure) + 35 mm (switch)
Depth	210 mm (enclosure) + 35 mm (switch)

Weight	35 kg
--------	-------

Distance between wall fixing holes = 460 mm (vertically and horizontally).

Control box

Features

Incoming power

- Large terminals for incoming power supply
- Main switch

System power supply

- Power bus: 480V/16A, 3Ph+PE (4mm²)
 - Advanced circuit breaker for long distance bus
 - Lockable maintenance switch
- 24VDC power supply, 10 A divided in two terminal groups of 4 A, each with 24V safe, 24V permanent and 0V

Controller

- Rockwell MicroLogix 1500, 1764-LSP

Communication

- RS-232
- DeviceNet communication
- Terminal group for hardwired communication with Maneuver unit

Safety

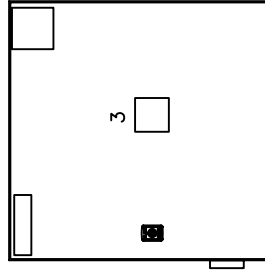
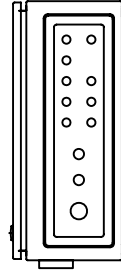
- One safety group: safety relay/double contactors disconnecting Power bus and 24VDC safe power supply
- Relay providing safe stop triggered by software

Spare parts list

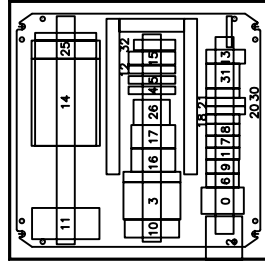
Product: 5059607-01

Standard name	Des.	Manufacturer	Type	Order number	FlexLink ID
Main switch	Q301-1	Moeller		073699	5110728
Circuit breaker	Q310-1	Moeller		026606	5059711
Trip block		Moeller		059828	5059712
Auxiliary contacts		Moeller		093050	5059713
Miniature circuit breaker	Q310-2	Rockwell		1492-SP1C040	5110800
Auxiliary contacts		Rockwell		1492-ASPH3	5110801
Miniature circuit breaker	Q310-3	Rockwell		1492-SP1C040	5110800
Auxiliary contacts		Rockwell		1492-ASPH3	5110801
Main switch	Q310-4	Moeller		050738	5059677
Shaft extension		Moeller		027044	5057229
Miniature circuit breaker	Q320-1	Rockwell		1489-A2C100	5110727
Power supply	G320-1	Phoenix contact		2866323	5110018
Miniature circuit breaker	Q320-2	Rockwell		1492-SP1C040	5110800
Controller	A325-1	Rockwell	Base unit	1764-28BXB	5110580
Controller		Rockwell	Processor	1764-LSP	5059619
DeviceNet Scanner	A326-1	Rockwell		1769-SDN	5110701
Safety relay	A330-1	Pilz		PNOZ e1.1p	5059678
Contactactor	K330-1	Moeller		277050	5110021
Auxiliary contacts		Moeller		276422	5110022
Contactactor	K330-2	Moeller		277050	5110021
Auxiliary contacts		Moeller		276422	5110022
Relay	K440-1	Weimüller		7940006157	5110086

00. X301-1
01. X301-2
02. X301-1
03. Q310-1
04. Q310-2
05. Q310-3
06. X310-1
07. X310-2
08. X310-3
09. X301-4
10. Q320-1
11. G320-1
12. Q320-2
13. X320-1
14. A325-1
15. A330-1
16. K330-1
17. K330-2
18. X330-1
19. X301-4
20. X340-1
21. X340-2
22. X340-1
23. X340-2
24. X340-1
25. A326-1
26. Q310-4
27. X310-2
28. X310-3
29. X301-4
30. X400-1
31. X400-2
32. K440-1
33.

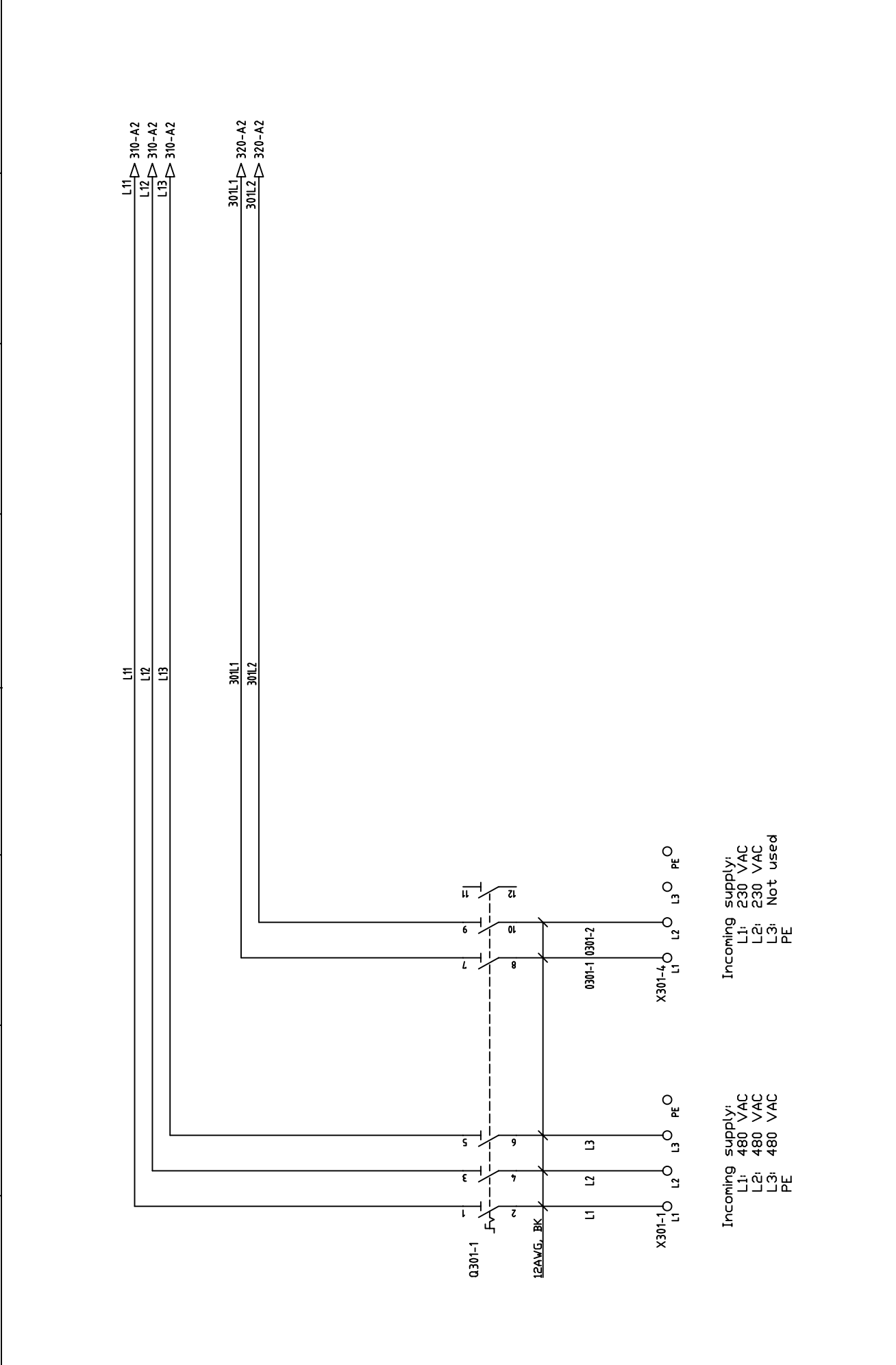
[illegible]

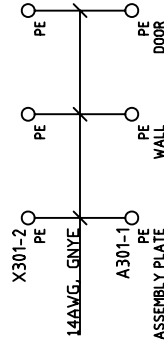
10. Q320-1
11. G320-1
12. Q320-2
13. Q320-1
14. A325-1
15. A330-1
16. K330-1
17. K330-2
18. X330-1
20. X340-1
21. X340-2
22.
23.
24.
25. A326-1
26. Q310-4



Assembly plate

[illegible]

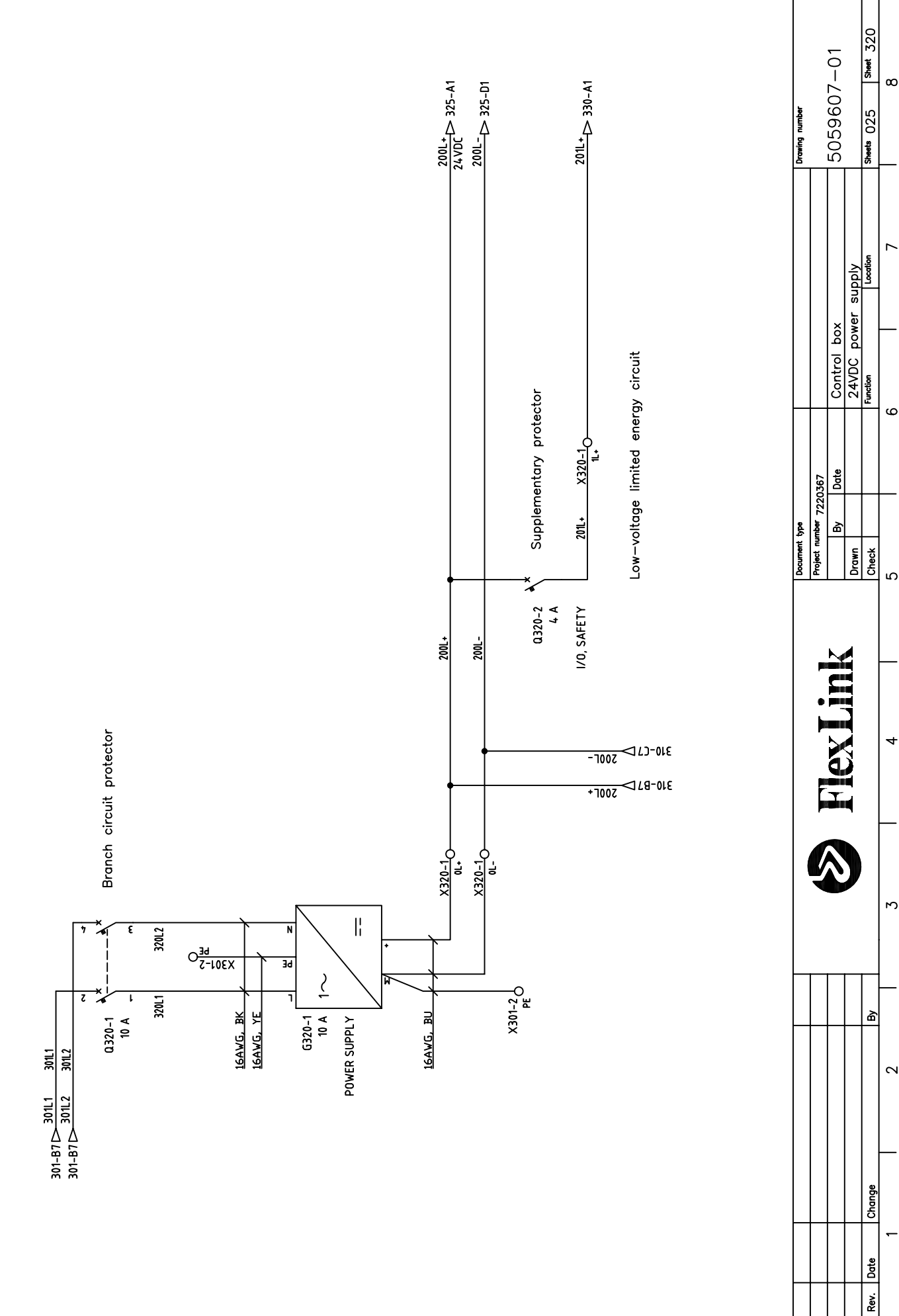
[illegible]



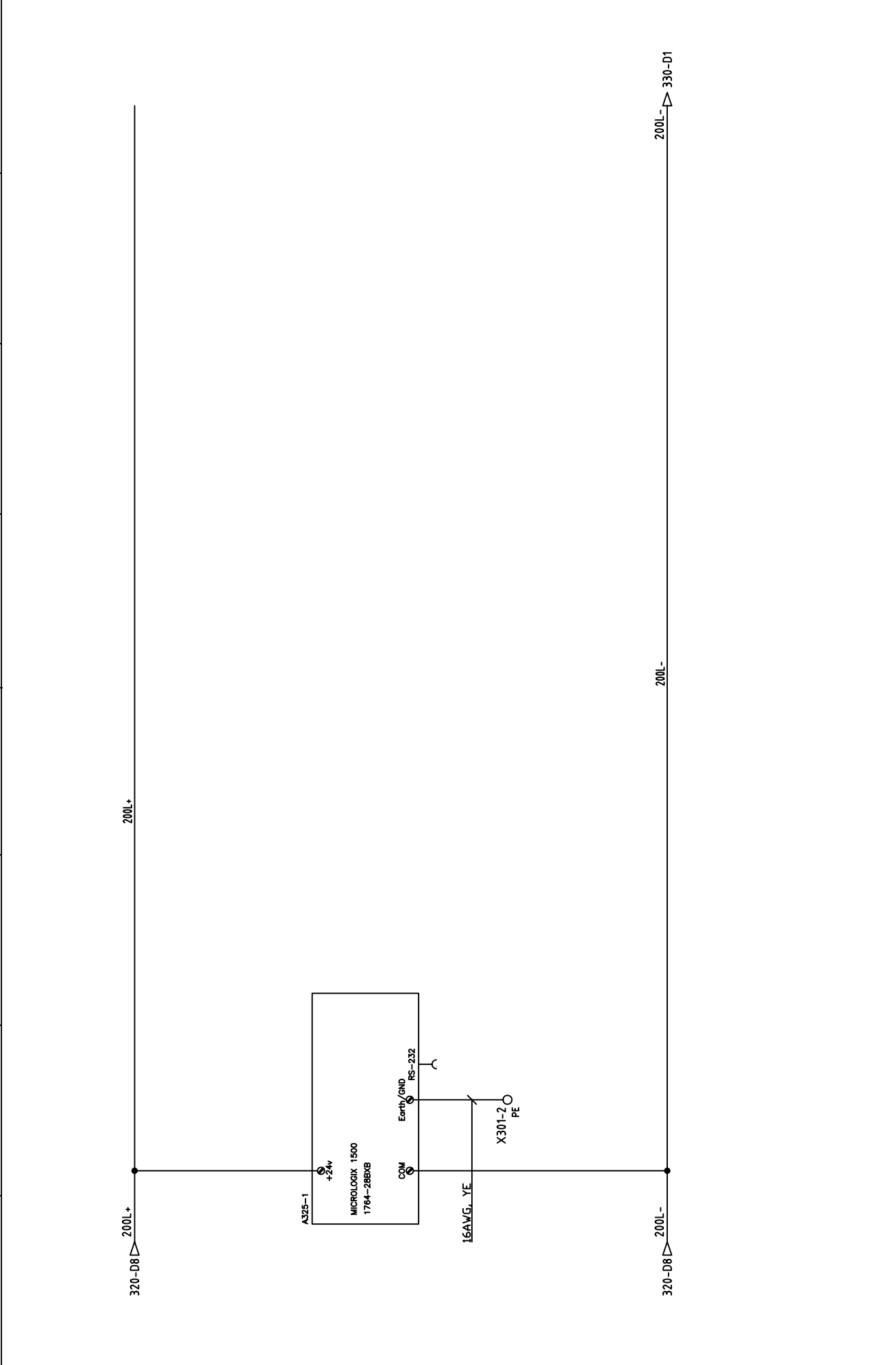
					 FlexLink	Document type		Drawing number
						Project number 7220367		
						By	Date	
						Drawn		Control box
						Check		Enclosure earthing
							Function	Location
Rev.	Date	Change	By					Sheets 025 Sheet 302

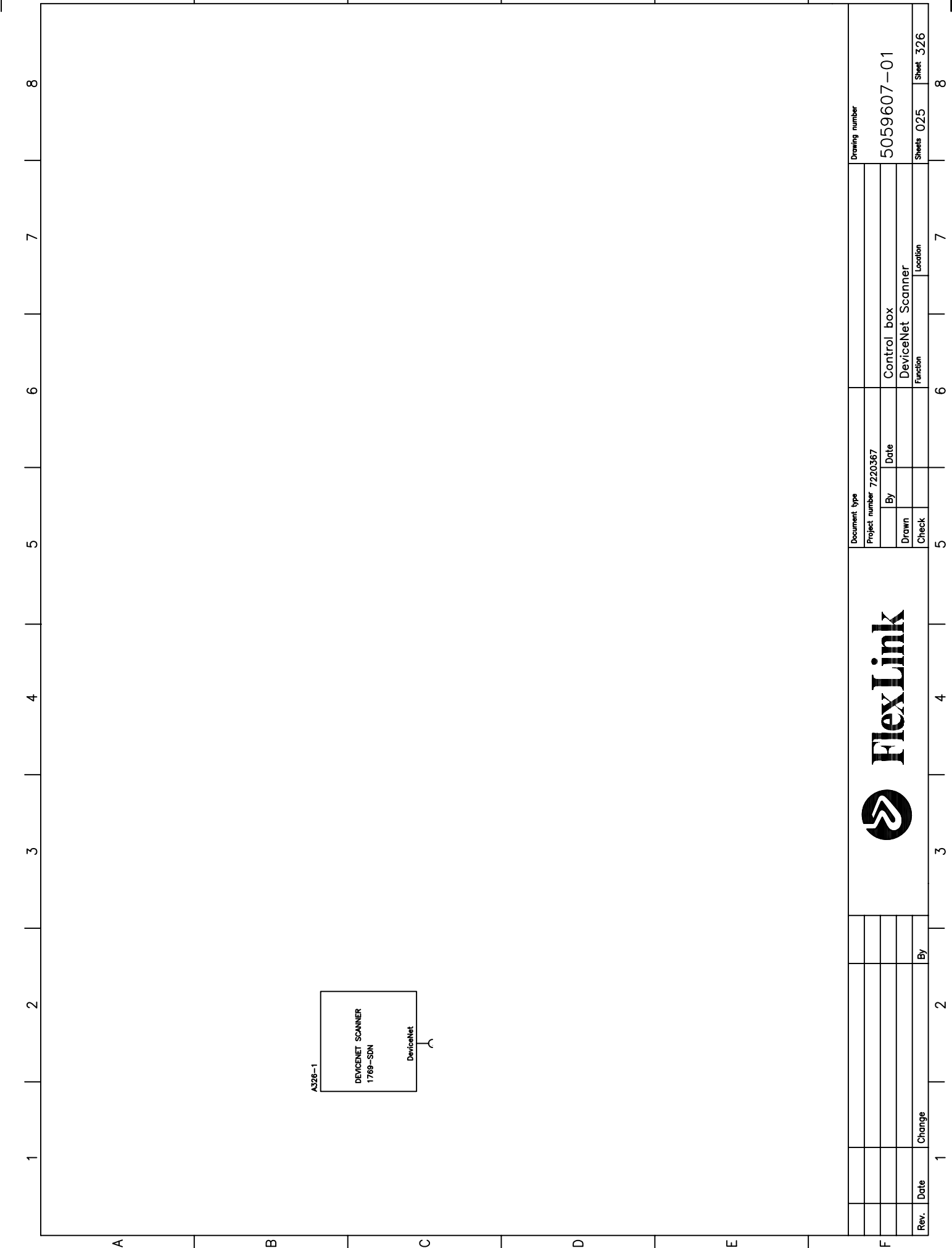


Denna ritning är Flexlinks egendom. Skyddad enligt gällande lag.
 This drawing is the property of Flexlink. Protected in
 accordance with prevailing law.



Denna ritning är Flexlinks egendom. Skyddad enligt gällande lag.
This drawing is the property of Flexlink. Protected in
accordance with prevailing law.

[illegible]

[illegible]



				Rev.
--	--	--	--	------



