



**FlexLink®**

# **Control box**

**5059607-01**





# Control box

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

# Control box

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## Features

### Incoming power

- Large terminals for incoming power supply
- Main switch

### System power supply

- Power bus: 480V/16A, 3Ph+PE (4mm<sup>2</sup>)
  - 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