



Catalog #: 1768-L43

CompactLogix L43 2MB Memory Controller

Lifecycle status: DISCONTINUED

Rockwell Automation announces that as of June 30, 2020, the CompactLogix L43 2MB Memory Controller will be discontinued and no longer available for sale. Customers are encouraged to remove references to the affected product(s).

Discontinued Date: June 30, 2020

Replacement Category: Engineering Replacement

Technical Specifications

Electrical

| | |
|------------------------------------|--|
| Voltage type | DC |
| LED indicator inputs | No |
| LED indicator outputs | No |
| Number of 1768 modules, max | 2 |
| Number of 1768 motion modules, max | 2 |
| Number of I/O banks, max | 2 |
| Number of 1769 I/O modules, max | 16 |
| Power dissipation | 6.3 W |
| Slot width | 1 |
| Power consumption | 31.3 W |
| 1768 current draw | 2.8 A @ 5V DC |
| Total 1768 and 1769 current draw | 4.8 A @ 5V DC |
| Backplane current draw | 1.3 A @ 24V DC |
| Available user memory | 2 MB |
| Programming languages | Relay ladder, Structured text, Function block, Sequential function Chart |
| Protection for local controls | No |

| | |
|---|---|
| Failsafe model | No |
| Communication medium fibre optic | No |
| Communication medium wireless | No |
| Expandable | Yes |
| Standard applications available | Yes |
| Communication medium copper | Yes |
| Communications protocol | Other |
| Communication bus | RS-232 |
| Number of 1768 communication modules, max | 2 |
| Power supply distance rating | 4 modules |
| 1769 current draw | 2.0 A @ 5V DC |
| Power supply | 1768-PA3, 1768-PB3 |
| Wire category | 2 - on communication ports |
| Module expansion capacity | Two 1768 modules, Sixteen 1769 modules |
| Serial cable | 1756-CP3 or 1747-CP3, right angle connector to controller, straight to serial port, 3 m |
| Isolation voltage | 30V (continuous), functional insulation type, Type tested at 500V AC for 60 s, RS-232 to system |

Mechanical

| | |
|-----------------------------|---|
| DIN-rail mounting | Yes |
| Weight, approx | 0.34 kg |
| With display | No |
| With PC connection | Yes |
| Module location | DIN rail or panel mount |
| Communication ports | RS-232, Fully isolated, 38.4 Kbps max |
| Panel-mounting screw torque | 1.16 Nm (10 lb.in.) - use M4 or #8 screws |

Construction

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|-----------------------------|----------|
| Width | 56.4 mm |
| Height | 131.1 mm |
| Depth | 121.1 mm |
| With base plate | No |
| Suitable for front mounting | Yes |

| | |
|-----------------------|-------------------|
| Enclosure type rating | None (open-style) |
|-----------------------|-------------------|

Environmental

| | |
|----------------------------------|--|
| Shock | Operating: 30 G |
| Surrounding air temperature, max | 60 °C |
| Operating temperature | 0 °C |
| Storage temperature | -40 °C |
| Vibration | 5 G @ 10...500 Hz |
| Relative humidity | 5...95% noncondensing |
| Emissions | CISPR 11 (IEC 61000-6-4) |
| EFT/B immunity | ±4 kV at 5 kHz on communication ports |
| ESD immunity | 6 kV contact discharges, 8 kV air discharges |
| Surge transient immunity | ±2 kV line-earth (CM) on communication ports |
| Conducted RF immunity | 10V rms with 1 kHz sine-wave 80% AM from 150 kHz...80 MHz |
| Radiated RF immunity | 10 V/m with 1 kHz sine-wave 80% AM from 80...2000 MHz, 10 V/m with 200 Hz 50% Pulse 100% AM @ 900 MHz, 10 V/m with 200 Hz 50% Pulse 100% AM @ 1890 MHz, 3 V/m with 1 kHz sine-wave 80% AM from 2000...2700 MHz |

Certification

| | |
|---------------------------------|----|
| Explosion-proof | No |
| North American temperature code | T4 |



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