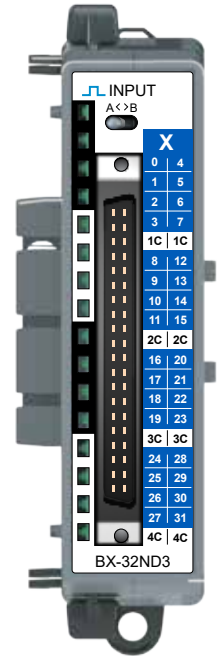


General Specifications	
Operating Temperature	0° to 60°C (32° to 140°F)
Storage Temperature	-20° to 85°C (-4° to 185°F)
Humidity	5 to 95% (non-condensing)
Environmental Air	No corrosive gases permitted
Vibration	IEC60068-2-6 (Test Fc)
Shock	IEC60068-2-27 (Test Ea)
Enclosure Type	Open Equipment
Agency Approvals	UL61010-2 - UL File # E185989 Canada and USA CE Compliant EN61131-2*
Noise Immunity	NEMA ICS3-304
EU Directive	See the "EU Directive" topic in the Help File
Heat Dissipation	6.2W
Weight	113g (4 oz)
Software Version	Do-more! Designer 2.3 or later

*Meets EMC and Safety requirements. See the D.O.C. for details.

BX-32ND3
Input Module
 32-pt 12-24VDC
 Sink/Source



ZIPLink Cable Required.
 (See Connector Options table).

Input Specifications	
Input Type	Sink/Source
Total Inputs per Module	32
Commons	4 (8 points/common) Isolated
Nominal Voltage Rating	12 - 24 VDC
Input Voltage Range	9 - 30 VDC
Maximum Voltage	30 VDC
Input Impedance	8kΩ @ 24VDC
Input Current (typical)	3mA @ 24VDC
Maximum Input Current	6mA @ 30VDC
ON Voltage Level	> 9.0VDC
OFF Voltage Level	< 2.0VDC
Minimum ON Current	2.0mA (9V required to guarantee ON state)
Maximum OFF Current	1.5mA
Status Indicators	Logic Side, Green (16 LEDs for half of inputs per A/B switch)
OFF to ON Response	2ms
ON to OFF Response	2ms

WARNING: To minimize the risk of potential safety problems, you should follow all applicable local and national codes that regulate the installation and operation of your equipment. These codes vary from area to area and it is your responsibility to determine which codes should be followed, and to verify that the equipment, installation, and operation are in compliance with the latest revision of these codes.
Equipment damage or serious injury to personnel can result from the failure to follow all applicable codes and standards. We do not guarantee the products described in this publication are suitable for your particular application, nor do we assume any responsibility for your product design, installation, or operation.
 If you have any questions concerning the installation or operation of this equipment, or if you need additional information, please call Technical Support at 770-844-4200.
 This publication is based on information that was available at the time it was printed. At AutomationDirect.com® we constantly strive to improve our products and services, so we reserve the right to make changes to the products and/or publications at any time without notice and without any obligation. This publication may also discuss features that may not be available in certain revisions of the product.

Do-more! BRX Manual available at www.automationdirect.com/pn/doc/manual/BX-32ND3



IMPORTANT!



Hot-Swapping Information
Note: This device cannot be Hot Swapped.

Document Name	Edition/Revision	Date
BX-32ND3	1st Ed.	4/6/2018

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Connector Options – 32 point

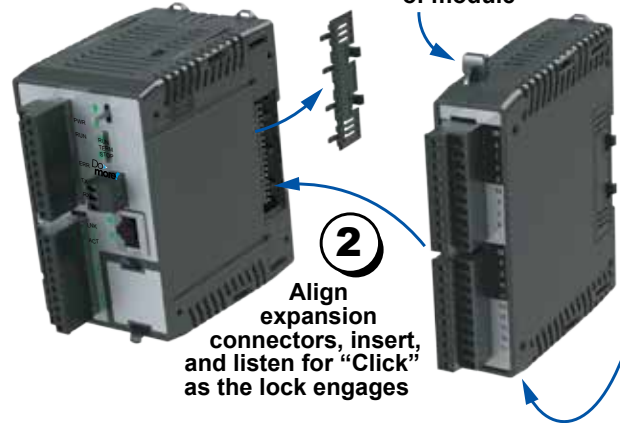
ZL-D24-CBL40	ZIPLink PLC I/O cable, 40-pin connector to 40-pin connector, 180-degree connector angle, 1.6ft/0.5m cable length.
ZL-D24-CBL40-1	ZIPLink PLC I/O cable, 40-pin connector to 40-pin connector, 180-degree connector angle, 3.2ft/1m cable length.
ZL-D24-CBL40-2	ZIPLink PLC I/O cable, 40-pin connector to 40-pin connector, 180-degree connector angle, 6.5ft/2m cable length.
ZL-D24-CBL40-1P	ZIPLink PLC I/O cable, 40-pin connector to pigtail, 180-degree connector angle, 3.2ft/1m cable length.
ZL-D24-CBL40-2P	ZIPLink PLC I/O cable, 40-pin connector to pigtail, 180-degree connector angle, 6.5ft/2m cable length.
ZL-D24-CBL40-X	ZIPLink PLC I/O cable, 40-pin connector to 40-pin connector, 45-degree connector angle, 1.6ft/0.5m cable length.
ZL-D24-CBL40-1X	ZIPLink PLC I/O cable, 40-pin connector to 40-pin connector, 45-degree connector angle, 3.2ft/1m cable length.
ZL-D24-CBL40-2X	ZIPLink PLC I/O cable, 40-pin connector to 40-pin connector, 45-degree connector angle, 6.5ft/2m cable length.
ZL-D24-CBL40-1XP	ZIPLink PLC I/O cable, 40-pin connector to pigtail, 45-degree connector angle, 3.2ft/1m cable length.
ZL-D24-CBL40-2XP	ZIPLink PLC I/O cable, 40-pin connector to pigtail, 45-degree connector angle, 6.5ft/2m cable length.
ZL-RTB40	ZIPLink Two Level Feedthrough Module, 40-pole, 35mm, DIN mount.
ZL-RTB40-1	ZIPLink Three Level Feedthrough Module, 40-pole, 35mm, DIN mount.

Module Installation

1

To Install, remove Connector Cover

To remove, depress disengagement plungers at top and bottom of module



2

Align expansion connectors, insert, and listen for "Click" as the lock engages

Dimensional Information

Note: Drawings are for reference only. Shown without terminal blocks.

