

Meet increasing technical challenges – including IIoT capabilities

## BNI NETWORK MODULES WITH M12 L-CODED POWER PORTS

The new network modules with M12 L-coded power connections let you reliably meet increasingly technical challenges – including meeting the demands of IIoT environments. Now you can provide significantly greater voltages and, for example, connect high-power actuators and high-performance sensors.

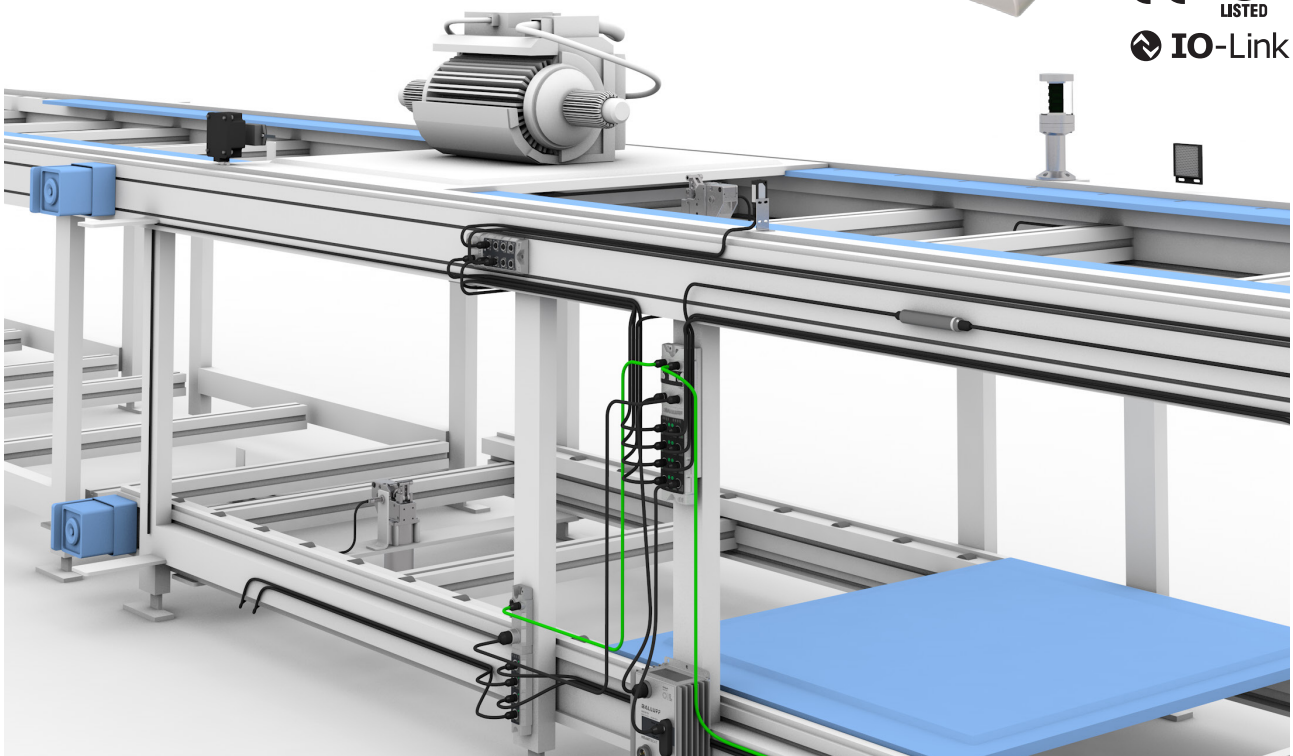
These modules offer a range of functions. With the M12 L-coded plug for supply voltage, you can now handle up a total of 16 A. The maximum output current per port is 4 A. You can use this property, for example, to control drives.

The optimized web server for configuring and representing the module information allows full user management. This makes using the modules even more convenient for you.

The network modules also support REST API as a communication interface. This lets you integrate the module into the IT world, and even use it as a component for implementing IIoT.

### Features

- High-capacity power connections: M12 L-coded plug (4- or 5-pins for Profinet variants)
- Greater power: Output current max. 4 A per port
- Easy to use: Web server with numerous functions
- IIoT capable: REST API support
- Convenient: diagnostics capabilities with IO-Link and status LEDs
- For harsh environments: Rugged IP67 metal housing





## NETWORK BLOCKS

	BNI00EN	BNI00EP	BNI00H7
Interface	Profinet	Profinet	Ethernet/IP
Display	Yes	Yes	Yes
Operating voltage	18...30.2 V DC	18...30.2 V DC	18...30.2 V DC
Connection (COM 1)	M12 female, 4-pin, D-coded	M12 female, 4-pin, D-coded	M12 female, 4-pin, D-coded
Connection (COM 2)	M12 female, 4-pin, D-coded	M12 female, 4-pin, D-coded	M12 female, 4-pin, D-coded
Connection (supply voltage IN)	M12 male, 5-pin, L-coded	M12 male, 4-pin, L-coded	M12 male, 5-pin, L-coded
Connection (supply voltage OUT)	M12 female, 5-pin, L-coded	M12 female, 4-pin, L-coded	M12 female, 5-pin, L-coded
Connection slots	8 × M12 female, 5-pin, A-coded	8 × M12 female, 5-pin, A-coded	8 × M12 female, 5-pin, A-coded
Digital inputs	16 × PNP, Type 3	16 × PNP, Type 3	16 × PNP, Type 3
Digital outputs	16 × PNP	16 × PNP	16 × PNP
Configurable inputs/outputs	Yes	Yes	Yes
Max. output current per port	4 A	4 A	4 A
Current sum sensor/actuator	16 A/16 A	16 A/16 A	16 A/16 A
Housing material	Zinc, die casting	Zinc, die casting	Zinc, die casting
Dimension	68 × 31.7 × 224 mm	68 × 31.7 × 224 mm	68 × 31.7 × 224 mm
Ambient temperature	-5...+70 °C	-5...+70 °C	-5...+70 °C
IP rating	IP67	IP67	IP67
Auxiliary interfaces	8 × IO-Link	8 × IO-Link	8 × IO-Link
IO-Link version	1.1	1.1	1.1
Port-class	Type A	Type A	Type A



## CONNECTIVITY

	BCC0L30	BCC0LUM	BCC0JFJ	BCC09FU
Connection 1	M12 female, straight, 5-pole, L-coded	M12 female, straight, 4-pole, L-coded	M12 male, straight, 4-pole, D-coded	M12 female, straight, 5-pole, A-coded
Connection 2	M12 male, straight, 5-pole, L-coded	M12 male, straight, 5-pole, L-coded	M12 male, straight, 4-pole, D-coded	M12 male, straight, 5-pole, A-coded
Cable	PUR gray, 5 m, drag chain compatible	PUR black, 5 m, drag chain compatible	PUR green, shielded, 5 m, drag chain compatible	PUR black, 5 m, drag chain compatible