

ArmorBlock 2-port EtherNet/IP Self-configurable Modules with QuickConnect

Catalog Numbers 1732E-16CFGM12QCR, 1732E-16CFGM12P5QCR

Parts List

Your package contains one 1732E ArmorBlock® module and these pinout guide wiring instructions.

For complete installation instructions, refer to the Module Publication Number table and visit <http://www.rockwellautomation.com/literature/>.

Module Publication Number

Module	Publication Number
1732E ArmorBlock 2-port EtherNet/IP Modules with QuickConnect	1732E-IN010



BURN HAZARD: HOT SURFACE. RISK OF BURN when module is configured to output and with all output utilized at maximum load.



ATTENTION: Two sets of mounting holes are used to mount the module directly to a panel or machine. Mounting holes accommodate #8 (M4) pan head screws. The torque specification is 1.13 Nm (10 lb-in.).



ATTENTION: To comply with UL restrictions, this equipment must be powered from a source compliant with the following: Limited Voltage.



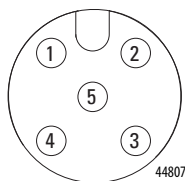
ATTENTION: This equipment is intended for use in a Pollution Degree 2 industrial environment.



ATTENTION: This equipment is considered Group 1, Class A industrial equipment according to IEC/CISPR 11. Without appropriate precautions, there may be difficulties with electromagnetic compatibility in residential and other environments due to conducted and radiated disturbance.

I/O Connectors

Micro-style 5-Pin Selectable Point Connector

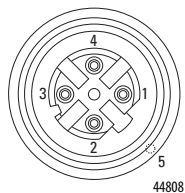


(View into connector)

- Pin 1 Sensor source voltage
- Pin 2 Input B or Output B
- Pin 3 Return
- Pin 4 Input A or Output A
- Pin 5 PE

EtherNet/IP Connector

D-Code Micro Network Female Connectors



(View into connector 1)

- Pin 1 M12_Tx+
- Pin 2 M12_Rx+
- Pin 3 M12_Tx-
- Pin 4 M12_Rx-
- Pin 5 Connector shell shield GND

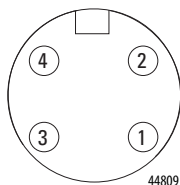
(View into connector 2)

- Pin 1 M12_Rx+
- Pin 2 M12_Tx+
- Pin 3 M12_Rx-
- Pin 4 M12_Tx-
- Pin 5 Connector shell shield GND

Auxiliary Power Connector

Mini-style 4-Pin Receptacles

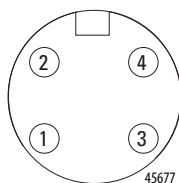
Male Input



(View into receptacle)

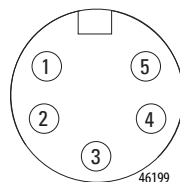
- Pin 1 Output power+
- Pin 2 Sensor/MDL power+
- Pin 3 Sensor/MDL power-
- Pin 4 Output power-

Female Output



Mini-style 5-Pin Receptacles

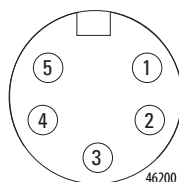
Male Input



(View into receptacle)

- Pin 1 Output power-
- Pin 2 Sensor/MDL power-
- Pin 3 Protective Earth
- Pin 4 Sensor/MDL power+
- Pin 5 Output power+

Female Output



TIP The ground for both module power and output power is shared.

Specifications

Environmental Specifications

Attribute	Value
Temperature, operating	IEC60068-2-1 (Test Ad, Operating Cold), IEC60068-2-2 (Test Bd, Operating Dry Heat), IEC 60068-2-14 (Test Nb, Operating Thermal Shock): -20...60 °C (-4...140 °F)
Temperature, ambient rating (UL)	60 °C (140 °F)

Environmental Specifications

Attribute	Value
Voltage, operating	12...30V DC
Output current, per port	0.5 A
Enclosure type rating	Meets IP65/66/67/69K (when marked), with receptacle dust caps or cable termination.

Certifications

Certification (when product is marked) ⁽¹⁾	Value
c-UR-us	UL Recognized Industrial Control Equipment, certified for US and Canada. See UL File E322657.
CE	European Union 2014/30/EU EMC Directive, compliant with: EN 61326-1; Meas./Control/Lab., Industrial Requirements EN 61000-6-2; Industrial Immunity EN 61000-6-4; Industrial Emissions EN 61131-2; Programmable Controllers (Clause 8, Zone A & B)
RCM	Australian Radiocommunications Act, compliant with: AS/NZS CISPR 11; Industrial Emissions
KC	Korean Registration of Broadcasting and Communications Equipment, compliant with: Article 58-2 of Radio Waves Act, Clause 3
EtherNet/IP	ODVA conformance tested to EtherNet/IP specifications.

- (1) See the Product Certification link at <http://www.rockwellautomation.com/products/certification/> for Declaration of Conformity, Certificates, and other certification details.

Rockwell Automation maintains current product environmental information on its website at <http://www.rockwellautomation.com/rockwellautomation/about-us/sustainability-ethics/product-environmental-compliance.page>.

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