1732D/E ArmorBlock And Armor WeldBlock I/O

EtherNet/IP I/O Blocks

EtherNet/IP 24V DC I/O Blocks

Cat. No.	Inputs (Sink)	Outputs (Source)	Max. Continuous Output Current Rating per Point/Module	Max. Surge/Inrush Output Current Rating per Point	Max. Current for Input Device Power per Point	Potential Max. Aux. Current per Module ♣	Connectors	Dual-port Support	Fusing
1732E-IB16M12	16	0	–	–	5 mA at 30V DC	8.0 A	(8) M12	–	Not Applicable
1732E-IB16M12DR	16 inputs with diagnostics	0	–	–	5 mA at 30V DC	8.0 A	(8) M12	2 EtherNet/IP portsΔ	Not Applicable
1732E-IB16M12R	16	0	–	–	5 mA at 30V DC	8.0 A	(8) M12	2 EtherNet/IP portsΔ	Not Applicable
1732E-IB8M8SOER	8 sequence of events inputs with diagnostics	0	–	–	5 mA at 30V DC	4.0 A	(8) M8	2 EtherNet/IP portsΔ	Not Applicable
1732E-IB16M12SOEDR	16 sequence of events inputs with diagnostics	0	–	–	5 mA at 30V DC	8.0 A	(8) M12	2 EtherNet/IP portsΔ	Not Applicable
1732E-OB8M8SR	0	8	0.5 A/4.0 A ⋆	1.2 A for 10 ms, repeatable every 2 s	–	4.0 A	(8) M8	2 EtherNet/IP portsΔ	Not Protected
1732E-OB16M12	0	16	2.0 A/8.0 A ⋆	4.8 A for 10 ms, repeatable every 2 s	–	8.0 A	(8) M12	–	Electronically Fused by Group
1732E-OB16M12DR	0	16 outputs with diagnostics	0.5 A/8.0 A	1.2 A for 10 ms, repeatable every 2 s	–	8.0 A	(8) M12	2 EtherNet/IP portsΔ	Electronically Fused by Point
1732E-OB16M12R	0	16	2.0 A/8.0 A ⋆	4.8 A for 10 ms, repeatable every 2 s	–	8.0 A	(8) M12	2 EtherNet/IP portsΔ	Electronically Fused by Group
1732E-12X4M12QCDR	12 inputs with diagnostics	4 outputs with diagnostics	0.5 A/2.0 A	1.2 A for 10 ms, repeatable every 2 s	5 mA at 30V DC	2.0 A	(8) M12 quick connect	2 EtherNet/IP portsΔ	Electronically Fused by Point
1732E-12X4M12P5QCDR	12 inputs with diagnostics	4 outputs with diagnostics	0.5 A/2.0 A	1.2 A for 10 ms, repeatable every 2 s	5 mA at 30V DC	2.0 A	(8) M12 quick connect 5-Pin Mini Auxiliary Power Ports	2 EtherNet/IP portsΔ	Electronically Fused by Point
1732E-8X8M12DR	8 inputs with diagnostics	8 outputs with diagnostics	0.5 A/4.0 A	1.2 A for 10 ms, repeatable every 2 s	5 mA at 30V DC	4.0 A	(8) M12	2 EtherNet/IP portsΔ	Electronically Fused by Point
1732E-8CFGM8R	8 self-configuring §		0.5 A/4.0 A	1.2 A for 10 ms, repeatable every 2 s	5 mA at 30V DC	4.0 A	(8) M8	2 EtherNet/IP portsΔ	Not Protected
1732E-16CFGM12	16 self-configuring §		0.5 A/8.0 A	3.2 A for 10 ms, repeatable every 2 s	5 mA at 30V DC	8.0 A	(8) M12	–	Electronically Fused by Group
1732E-16CFGM12R	16 self-configuring §		0.5 A/8.0 A	1.2 A for 10 ms, repeatable every 2 s	5 mA at 30V DC	8.0 A	(8) M12	2 EtherNet/IP portsΔ	Electronically Fused by Group
1732E-16CFGM12QCR	16 self-configuring §		0.5 A /8.0 A	1.2 A for 10 ms, repeatable every 2 s	5 mA at 30V DC	8.0 A	(8) M12 quick connect	2 EtherNet/IP portsΔ	Electronically Fused by Point
1732E-16CFGM12P5QCR	16 self-configuring §		0.5 A /8.0 A	1.2 A for 10 ms, repeatable every 2 s	5 mA at 30V DC	8.0 A	(8) M12 quick connect 5-Pin Mini Auxiliary Power Ports	2 EtherNet/IP portsΔ	Electronically Fused by Point

⋆ Maximum current on all I/O connectors exceeds total for the module.
♣ Pins 2, 3 for sensor source and module power plus pins 1, 4 for output loads.
§ Each of the self-configuring I/O points can be either an input (sink) or an output (source), for example: 16 points: 13 in –3 out, 6 in – 10 out, etc.
Δ Configured as embedded switch. Supports star, tree, linear, and ring topologies.

EtherNet/IP Armor WeldBlock 24V DC I/O Blocks

Cat. No.	Inputs (Sink) Powered by Network	Outputs (Source)	Max. Continuous Output Current Rating per Point/Module	Max. Surge/Inrush Output Current Rating per Point	Max. Current for Input Device Power per Point	Potential Max. Aux. Current per Module	Connectors	Fusing
1732E-IB16M12W	16 Sink	0	—	—	0.8 A	1.1 A	(8) M12	Not Applicable
1732E-16CFGM12W	16 self-configuring§		0.5/8.0 A	1.2 A	0.8 A	1.5/8.0 A‡	(8) M12	Electronically Fused by Group
1732E-16CFGM12QCWR	16 self-configuring§		0.5/8.0 A	1.2 A	0.8 A	1.5/8.0 A‡	(8) M12 quick connect	Electronically Fused by Point
1732E-16CFGM12P5QCWR	16 self-configuring§		0.5/8.0 A	1.2 A	0.8 A	1.5/8.0 A‡	(8) M12 quick connect 5-Pin Mini Auxiliary Power Ports	Electronically Fused by Point

§ Each of the self-configuring I/O points can be either an input (sink) or an output (source), for example: 16 points: 13 in –3 out, 6 in – 10 out, etc. or 8 points: 6 in – 2 out, 1 in – 7 out, etc.
‡ Module operation power and input device power, from Auxiliary Power Connector pins 2 and 3, are separate and isolated from the I/O output power, from Auxiliary Power Connector pins 1 and 4. Both auxiliary power consumption totals need to be noted.

EtherNet/IP Analog I/O Blocks

Cat. No.	Inputs/Outputs	Signal Range	Resolution	Accuracy	Data Format	Power Supply	Power Consumption	I/O Connectors	Dual-port Support	Fusing
1732E-IF4M12R	4 inputs	Current input: 32 mA, 275 mW Voltage input: ±30V, 20 mA, 25 mW	16 bits	0.1% Full Scale at 25 ˚C (77 ˚F)	16-bit sign magnitude	12...30V DC, 300 mA	3 W at 24V DC, typical 3.5 W, max (module unloaded)	4 (M12)	2 EtherNet/IP ports	Not Applicable
1732E-OF4M12R	4 outputs	Current output: 0...20 mA, 4...20 mA Voltage output: +/- 10V, 10 mW	16 bits	0.1% Full Scale at 25 ˚C (77 ˚F)	16-bit sign magnitude	12...30V DC, 300 mA	3 W at 24V DC, typical 3.5 W, max (module unloaded)	4 (M12)	2 EtherNet/IP ports	Not Applicable
1732E-IR4M12R	4 RTD inputs	0...674.06 Ω	16 bits	0.1% Full Scale at 25 ˚C (77 ˚F)	16-bit sign magnitude	12...30V DC, 300 mA	3 W at 24V DC, typical 3.5 W, max (module unloaded)	4 (M12)	2 EtherNet/IP ports	Not Applicable
1732E-IT4IM12R	4 Thermocouple inputs	±78 mV, 1 mW	16 bits	0.1% Full Scale at 25 ˚C (77 ˚F)	Signed integer	12...30V DC, 300 mA	3 W at 24V DC, typical 3.5 W, max (module unloaded)	4 (M12)	2 EtherNet/IP ports	Not Applicable