



Features

- Direct connection to common 16 point output I/O cards
- AC and DC versions with color coded ring for voltage indication
- LED power indicator
- Rugged durable construction
- Provides prewired connectivity from field device to I/O

Specifications

Catalog Number	1667-160A1201	1667-160A1202	1667-160A1203	1667-160D1201	1667-160D1202	1667-160D1203
Field Connector: No. Pins Style	12-Pin Mini Plus (1 1/8in)					
Module Type	16 Input					
Degree of Protection	IP65; NEMA 1, 4, 12					
Voltage Rating	10-265V AC			10-265V DC		
Maximum Peak Voltage ❶	600V _p					
Maximum Current (per Circuit)	2A					
Maximum Current (per Module)	12A					
Indicator Circuit Current (Nominal)	2mA					
No. of Terminals per Device Common	2					
Operating Temperature Range	0°C to +60°C (32° F to +140° F); Noncondensing					
Certifications	<ul style="list-style-type: none"> • cULus Listed (File E113724 Guide NRAQ) • CE 					

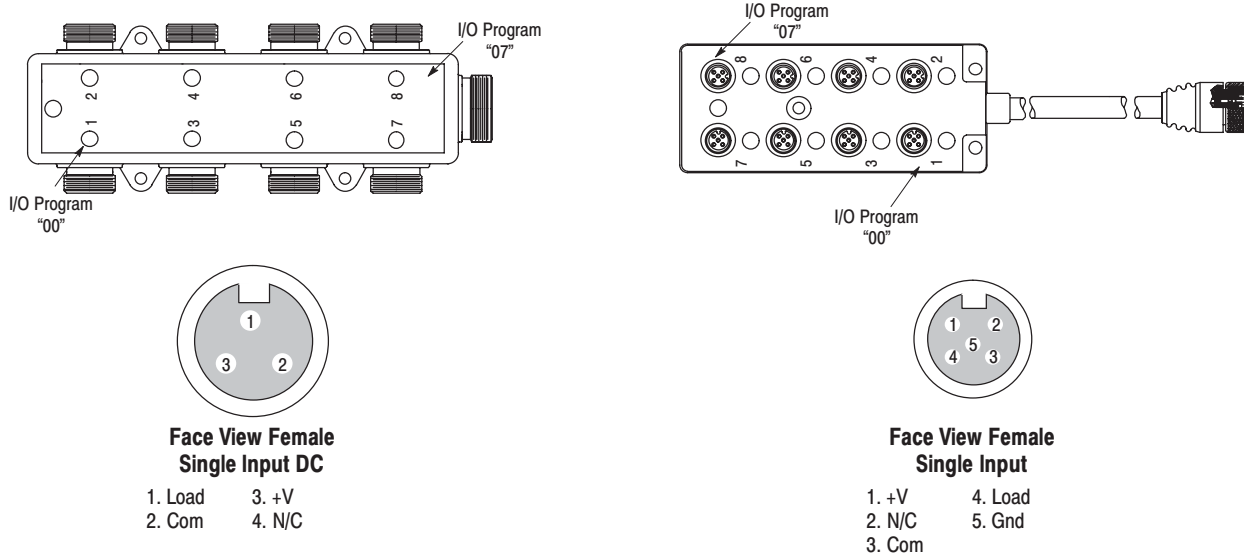
Power Supply Connector Specification

Wire Range (Rated Cross Section)	#22-#12 AWG (0.2-4mm ²)
Wire Strip Length	8mm (0.32in)
Recommended Tightening Torque	0.50-0.60Nm (4.5-5.5lb-in)

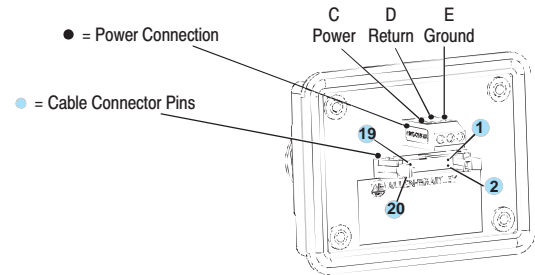
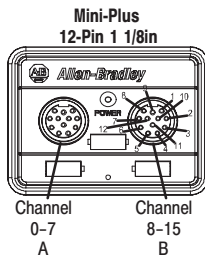
❶ Transient voltage greater than 600V_p use a UL Recognized suppression device rated at 2.5 kV withstand.

Distribution Block Connection

Match I/O Program to Distribution Block outputs in the sequence shown below:



Pinout



PanelConnections

Output Connector Pin Reference	Field Side Connector—12-Pin					
	AC	AC	AC	DC	DC	DC
	1667-16OA1201	1667-16OA1202	1667-16OA1203	1667-16OD1201	1667-16OD1202	1667-16OD1203
1	A11, B11	A11	A11, B11	A12, B12	A12	A12, B12
2		A7			A11	
3	A10	A10	A10	A1	A1	A1
4	A1	A1	A1	A2	A2	A2
5	A12	A12	A12	A3	A3	A3
6	A2	A2	A2	A4	A4	A4
7	A3	A3	A3	A5	A5	A5
8	A4	A4	A4	A6	A6	A6
9	A5	A5	A5	A7	A7	A7
10	A6	A6	A6	A8	A8	A8
11	B10	B10	B10	B1	B1	B1
12	B1	B1	B1	B2	B2	B2
13	B12	B12	B12	B3	B3	B3
14	B2	B2	B2	B4	B4	B4
15	B3	B3	B3	B5	B5	B5
16	B4	B4	B4	B6	B6	B6
17	B5	B5	B5	B7	B7	B7
18	B6	B6	B6	B8	B8	B8
19	A11, B11	B11	A11, B11	A11, B11	B12	A12, B12
20		B7	A7, B7		B11	A11, B11

Power Pin Reference

C	A11, B11	A11, B11	A11, B11	A12, B12	A12, B12	A12, B12
D	A7, B7	A7, B7	A7, B7	A11, B11	A11, B11	A11, B11
E	A9, B9	A9, B9	A9, B9	A9, B9	A9, B9	A9, B9

Application Notes

- Compatibility** — To ensure proper operation with the I/O module, do not exceed the voltage and current ratings of the PanelConnect Module.
- Dimensions** — Refer to page 4–30.