

Product Selection

AC Output Systems NEMA 4

					Catalog Number					
Distribution Box		3-pin mini, LED			889N-L38PS-N12			—	—	—
		3-pin AC micro, LED			—	—	—	898R-L38PS-N12		
Device Patchcords					889N-F3AFNU-ⓉF			889R-F3AERM-Ⓣ		
Main Patchcords (Mini-Plus)					889N-F12ACNU-Ⓣ					
PanelConnect (16 Input)					1667-16OA1201	1667-16OA1202	1667-16OA1203	1667-16OA1201	1667-16OA1202	1667-16OA1203
System										
I/O System	Nom. Sys. (AC)	I/O Range (AC)	Type Module	I/O Module						
1746	120/240V	85-265V	Source	1746-OA16	1492-CABLEⓉC	—	—	1492-CABLEⓉC	—	—
	120/240V	85-265V	Source	1746-OW16	1492-CABLEⓉD	—	—	1492-CABLEⓉD	—	—
1769	120/240V	85-265V	Source	1769-OW16	1492-CABⓉH69	—	—	1492-CABⓉH69	—	—
	120/240V	85-265V	Source	1769-OA16	1492-CABⓉH69	—	—	1492-CABⓉH69	—	—
1756	120/240V	74-265V	Source	1756-OA16	—	1492-CABLEⓉX	—	—	1492-CABLEⓉX	—
1771	120V	12-138V	Source	1771-OAD	—	—	1492-CABLEⓉF	—	—	1492-CABLEⓉF
	48V	10-60V	Source	1771-OND	—	—	1492-CABLEⓉF	—	—	1492-CABLEⓉF
1794	100/120V	85-132V	Sink	1794-OA16	1492-CABLEⓉP-Ⓣ	1492-CABLEⓉP-Ⓣ	—	1492-CABLEⓉP-Ⓣ	1492-CABLEⓉP-Ⓣ	—
Other AC PLC Output Modules					1492-CABLEⓉP	1492-CABLEⓉP	1492-CABLEⓉP	1492-CABLEⓉP	1492-CABLEⓉP	1492-CABLEⓉP

- ❶ Cables are available in standard lengths of 0.5m, 1.0m, and 5.0m (1.6ft, 3.2ft, 16.4ft). To order, insert the desired length code in the catalog number ("005" = 0.5m, "010" = 1m, "0.25" = 2.5m "050" = 5m). **Example:** 1492-CABLE005B is for a 0.5m cable. Note 1492-CABLEⓉP has minimum length of 1m.
- ❷ Refer to Wiring to 1794 Flex I/O module in Publication 1667-AT002A-EN-P
- ❸ Mini patchcords are available in standard lengths of 0.9m, 1.8m, 3.6m, and 6m (3ft, 6ft, 12ft, and 20ft). To order, insert the desired length in the catalog number. **Example:** 889N-F3AFNU-3F represents a mini 0.9m (3ft) patchcord. Note catalog number reflects straight male to straight female version with 16AWG conductors, additional models are also available.
- ❹ AC micro patchcords are available in standard lengths of 1m, 2m, 3m, 5m, and 10m (0.3ft, 0.6ft, 0.9ft, 1.5ft and 3ft). To order, insert the desired length in the catalog number. **Example:** 889R-F3AERM-3 represents an AC micro 3m (0.9ft) patchcord. Note catalog number reflects straight male to straight female version with 18AWG conductors, additional models are also available.
- ❺ Mini-Plus patchcords are available in standard lengths of 1m, 2m, 3m, 5m, and 10m (0.3ft, 0.6ft, 0.9ft, 1.5ft and 3ft). To order, insert the desired length in the catalog number. **Example:** 889N-F12ACNU-2 represents a 2m (0.6ft) patchcord. Note catalog number reflects straight male to straight female version with 18/22AWG conductors, additional models are also available.

Allen-Bradley HMIs

System and Product Selection

Modules for Output Connections

Product Selection

DC Output Systems NEMA 4

					Catalog Number				
Distribution Box	5-pin DC micro, no LEDs (2 output per connector)				898D-54DT-N12				
	5-pin DC micro, no LEDs				898D-58PT-N12				
	5-pin DC micro, PNP LEDs				898D-P58PT-N12		898D-P58PT-N12		
	5-pin DC micro, NPN LEDs				898D-N58PT-N12				898D-N58PT-N12
Device Patchcords					889D-F4ACDM-ⓐ				
Main Patchcords (Mini-Plus)					889N-F12ACNU-ⓐ				
PanelConnect (16 Outputs)					1667-16OD1201	1667-16OD1202	1667-16OD1203	—	—
PanelConnect (32 Input)					—	—	—	—	1667-32OD1201
System									
I/O System	Nom. Sys. (DC)	I/O Range (DC)	Type Module	I/O Module					
1746	24V	10-50V	Sourcing	1746-OB16	1492-CABLEⓐE	—	—	—	—
	24V	10-30V	Sourcing	1746-OB16E	1492-CABLEⓐE	—	—	—	—
	24V	20.4-26.4V	Sourcing	1746-OB16P	1492-CABLEⓐE	—	—	—	—
	24V	10-50V	Sinking	1746-OV16	—	1492-CABLEⓐE	—	—	—
	24V	20.4-26.4V	Sinking	1746-OV16P	—	1492-CABLEⓐE	—	—	—
	24V	5-125V	Sourcing	1746-OW16	—	—	—	—	—
	24V	10-50V	Sourcing	1746-OB32	—	—	—	1492-CABLEⓐH	—
	24V	10-30V	Sourcing	1746-OB32E	—	—	—	1492-CABLEⓐH	—
1756	24V	10-31.2V	Sourcing	1756-OB16E	—	—	1492-CABLEⓐX	—	—
	24V	10-31.2V	Sourcing	1756-OB32	—	—	—	—	1492-CABLEⓐZ
1769	24V	20.4-26.4V	Sourcing	1769-OB16	1492-CABⓐE69	—	—	—	—
	24V	20.4-26.4V	Sinking	1769-OV16	—	1492-CABⓐE69	—	—	—
	24V	5-125V	Sourcing	1769-OW16	1492-CABⓐH69	—	—	—	—
1771	24V	10-50V	Sourcing	1771-OB16	—	—	—	1492-CABLEⓐF	—
	24V	10-50V	Sourcing	1771-OND	—	—	—	—	—
	24V	10-50V	Sourcing	1771-OB16N	—	—	—	1492-CABLEⓐL	—
	24V	10-50V	Sinking	1771-OV16N	—	—	—	—	1492-CABLEⓐL
1794	24V	10-50V	Sourcing	1794-OB16	1492-CABLEⓐP [ⓐ]	—	—	—	—
	24V	10-50V	Sourcing	1794-OB32	—	—	—	1492-CABLEⓐQ	—
Other 16 Point DC PLC Output Modules					1492-CABLEⓐP	1492-CABLEⓐP	1492-CABLEⓐP	1492-CABLEⓐP	—
Other 32 Point DC PLC Output Modules					—	—	—	—	1492-CABLEⓐQ 1492-CABLEⓐQ

- ⓐ Cables are available in standard lengths of 0.5m, 1.0m, and 5.0m (1.6ft, 3.2ft, 16.4ft). To order, insert the desired length code in the catalog number ("005" = 0.5m, "010" = 1m, "025" = 2.5m "050" = 5m). **Example: 1492-CABLE005B** is for a 0.5m cable. Note 1492-CABLEⓐP has minimum length of 1m.
- ⓑ Refer to Wiring to 1794 Flex I/O module in Publication 1667-AT002A-EN-P
- ⓒ DC micro patchcords are available in standard lengths of 1m, 2m, 3m, 5m, and 10m (0.3ft, 0.6ft, 0.9ft, 1.5ft and 3ft). To order, insert the desired length in the catalog number. **Example: 889D-F4ACDM-3** represents a DC micro 3m (0.9ft) patchcord. Note catalog number reflects straight male to straight female version with 22AWG conductors, additional models are also available. For use with outputs, 5-pin versions may be required for earth grounding on pin 5 depending on output field device.
- ⓓ Mini-Plus patchcords are available in standard lengths of 1m, 2m, 3m, 5m, and 10m (0.3ft, 0.6ft, 0.9ft, 1.5ft and 3ft). To order, insert the desired length in the catalog number. **Example: 889N-F12ACNU-2** represents a 2m (0.6ft) patchcord. Note catalog number reflects straight male to straight female version with 18/22AWG conductors, additional models are also available.

Product Selection

AC Output with Direct Connect to Pneumatic Valves

			AC Output							
			Main Connector		Mini-Plus (1 1/8in)					
			Connectors		12-pin					
			Main Patchcord		889N-F12ACNU-ⓐ					
			Valve Interface		Valve Series	Valve Interface	Valve Interface Cable			
			Output points				16	16	16	
			Catalog Number							
			Parker Hannifin	F Series Air Control Valveⓑ	SCC122NB	See Table 11	1667-160A1201	1667-160A1202	1667-160A1203	
			Festo	Midi/Maxi Pneumatic Valve	IMP2-03-1ⓓ	Build to order from Mfg.	1667-160A1201	1667-160A1202	1667-160A1203	
			Festo	Midi/Maxi Pneumatic Valve Manifoldⓑ	IMP2-03-4ⓓ	Build to order from Mfg.	1667-160A1201	1667-160A1202	1667-160A1203	
System										
I/O System	Nom. Sys. (AC)	I/O Range (AC)	Type Module	I/O Module						
1746	120V	120-240V	Source	1746-OA16	—	—	—	1492-CABLEⓐC	—	—
1756	120V	85-265V	Source	1756-OA16	—	—	—	—	1492-CABLEⓐX	—
1769	120V	74-265V	Source	1769-OA16	—	—	—	1492-CABⓐG69	—	—
1771	120V	10-138V	Source	1771-OAD	—	—	—	—	—	1492-CABLEⓐF
1794	100/120V	85-132V	Source	1794-OA16	—	—	—	1492-CABLEⓐPⓔ	—	—

- ⓐ Cables are available in lengths of 1.0m, 2.5m, and 5.0m (3.2ft, 8.2ft, 16.4ft). To order, insert the code for the desired cable length into the catalog number (010 = 1.0m, 025 = 2.5m, and 050 = 5.0m). Example: **Cat. No. 1492-CABLE025WH** is for a 2.5m cable with a prewired 1771-WH wiring arm on one end.
- ⓑ Voltage Code 23 and 83 valve (120V AC)
- ⓒ 120V AC Solenoid Valves only
- ⓓ Maximum 8 outputs
- ⓔ For 1794 Flex I/O data refer to publication 1667-AT002A-EN-P.
- ⓕ Mini-Plus patchcords are available in standard lengths of 1m, 2m, 3m, 5m, and 10m (0.3ft, 0.6ft, 0.9ft, 1.5ft and 3ft). To order, insert the desired length in the catalog number. **Example: 889N-F12ACNU-2** represents a 2m (0.6ft) patchcord. Note catalog number reflects straight male to straight female version with 18/22AWG conductors, additional models are also available.

System and Product Selection

Modules for Output Connections

Product Selection

DC Output with Direct Connect to Pneumatic Valves

Connectors				12-pin			
Main Connector Style				Mini-plus (1 1/8in)			
Main Patchcord				889N-F12ACNU-Ⓞ			
Output Points				16	16	16	32
Valve Interface	Valve Interface Series	Catalog Number					
		Valve Interface	Valve Interface Cable	PanelConnect			
Parker Hanfin	"F" Series Air Control ValveⓂ	SCC122MB	See Table 11	1667-16OD1201	1667-16OD1202	1667-16OD1203	1667-32OD1201
Festo	Midi/Maxi Pneumatic Valve ManifoldⓂ	IMP2-03-1Ⓜ	Build to order from manufacturer	1667-16OD1201	1667-16OD1202	1667-16OD1203	1667-32OD1201
		IMP2-03-4Ⓜ		1667-16OD1201	1667-16OD1202	1667-16OD1203	1667-32OD1201
	"Compact Performance" Valve Manifold	CPV-...VI-MPⓂ		1667-16OD1201	1667-16OD1202	1667-16OD1203	1667-32OD1201
	CPA-...-MPⓂ	1667-16OD1201		1667-16OD1202	1667-16OD1203	1667-32OD1201	
Numatics	2005 Valve	AKP...Ⓜ	Dist.	—	—	—	—
	2012 Valve	AKP...Ⓜ	Dist.	—	—	—	—
	ISO5599/2 Valve	AKP...Ⓜ	Dist.	—	—	—	—
System							
I/O System	Nom. Sys. (DC)	I/O Range (DC)	Type Module	I/O Module			
1746	24V	10-50V	Source	1746-OB16	1492-CABLEⓂE	—	—
	24V	10-30V	Source	1746-OB16E	1492-CABLEⓂE	—	—
	24V	20.4-26.4V	Source	1746-OBP16	1492-CABLEⓂE	—	—
	24V	10-50V	Source	1746-OB32	—	—	1492-CABLEⓂH
	24V	10-30V	Source	1746-OB32E	—	—	1492-CABLEⓂH
1756	24V	10-31.2V	Source	1756-OB16E	—	1492-CABLEⓂX	—
	24V	10-31.2V	Source	1756-OB32	—	—	1492-CABLEⓂZ
1769	24V	20.4-26.4V	Source	1769-OB16	1492-CABⓂE69	—	—
1771	24V	10-50V	Source	1771-OB16	—	—	1492-CABLEⓂF
	24V	10-50V	Source	1771-OB16N	—	—	1492-CABLEⓂL
1794	24V	10-50V	Source	1794-OB16	1492-CABLEⓂPⓂ	—	—

Ⓜ Cables are available in lengths of 1.0m, 2.5m, and 5.0m (3.2ft, 8.2ft, 16.4ft). To order, insert the code for the desired cable length into the catalog number (010 = 1.0m, 025 = 2.5m, and 050 = 5.0m). Example: **Catalog Number 1492-CABLE025WH** is for a 2.5m cable with a prewired 1771-WH wiring arm on one end.

Ⓜ Voltage Code 19 valve

Ⓜ 24V DC Solenoid Valves only

Ⓜ Maximum 8 outputs

Ⓜ For 1794 Flex I/O data refer to publication 1667-AT002A-EN-P.

Ⓜ Mini-Plus patchcords are available in standard lengths of 1m, 2m, 3m, 5m, and 10m (0.3ft, 0.6ft, 0.9ft, 1.5ft and 3ft). To order, insert the desired length in the catalog number. **Example: 889N-F12ACNU-2** represents a 2m (0.6ft) patchcord. Note catalog number reflects straight male to straight female version with 18/22AWG conductors, additional models are also available.

Product Selection

Valve Direct Interfaces

PanelConnect Module for Pneumatic Valves	Valve Connection						
	Catalog Number PanelConnect	Valve Series	Catalog Number to Valve Interface	Catalog Number for Cable from Valve to PanelConnect	Voltage Type & Output Points	Voltage Range	Main Connector Type PanelConnect

Festo Interface to Panel Connect

1667-16OD1201	Midi/Maxi Pneumatic Valve Manifold ❶	03E-x-MP4	Build to order by Festo	DC & 16	24V DC	12-pin Mini-Plus (1 1/8in)	25 Pin D Shell			
	"Compact Performance" Valve Manifold	12P-x-MP-xx-x-x								
1667-32OD1201	Midi/Maxi Pneumatic Valve Manifold ❶	03E-x-MP4	Build to order by Festo	DC & 32						
	"Compact Performance" Valve Manifold	12P-x-MP-xx-x-x								
1667-16OD1202	Midi/Maxi Pneumatic Valve Manifold ❶	03E-x-MP4	Build to order by Festo	DC & 16						
	"Compact Performance" Valve Manifold	12P-x-MP-xx-x-x								
1667-16OA1203	Midi/Maxi Pneumatic Valve Manifold ❶	03E-x-MP4	Build to order by Festo	DC & 16						
	"Compact Performance" Valve Manifold	12P-x-MP-xx-x-x								
1667-16OA1201	Midi/Maxi Pneumatic Valve Manifold ❷	03E-x-MP4	Build to order by Festo	AC & 16				120V AC		
1667-16OA1202										
1667-16OA1203										

Parker Hannifin Interface to Panel Connect

1667-16OD1201	"F" Series Air Control Valve ❸	SCxxx1MB	889N-F12ACNU-❹	DC & 16	24V DC	12-pin Mini-Plus (1 1/8in)	12-pin Mini-Plus (1 1/8in)
1667-32OD1201	"F" Series Air Control Valve ❸	SCxxx1MB					
1667-16OD1202	"F" Series Air Control Valve ❸	SCxxx1MB					
1667-16OA1203	"F" Series Air Control Valve ❸	SCxxx1MB		AC & 16	120V AC		
1667-16OA1201	"F" Series Air Control Valve ❹	SCxxx1MB					
1667-16OA1202	"F" Series Air Control Valve ❹	SCxxx1MB					
1667-16OA1203	"F" Series Air Control Valve ❹	SCxxx1MB					

Note: Maximum of 8 outputs per PanelConnect Connector

- ❶ DC 24V DC Solenoid Valves only
- ❷ AC 120V DC Solenoid Valves only
- ❸ Voltage Code 19 Valve
- ❹ Voltage Code 23 and 83 Valve (120V AC)
- ❺ Mini-Plus patchcords are available in standard lengths of 1m, 2m, 3m, 5m, and 10m (0.3ft, 0.6ft, 0.9ft, 1.5ft and 3ft). To order, insert the desired length in the catalog number. **Example:** 889N-F12ACNU-2 represents a 2m (0.6ft) patchcord. Note catalog number reflects straight male to straight female version with 18/22AWG conductors, additional models are also available.

Allen-Bradley HMIs