



Distribution Boxes

Bulletin Numbers 898D, 898H, 898N, 898P, 898R

Topic	Page
Mini Style	2
DC Micro Style	6
Pico Style	18
IDC Style	22

Distribution Boxes, Mini Style

3-Pin, Parallel Wired, Mini Connector



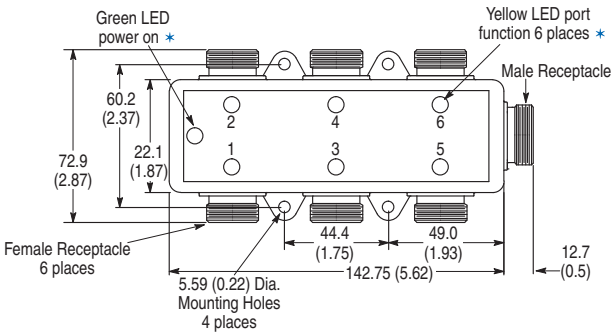
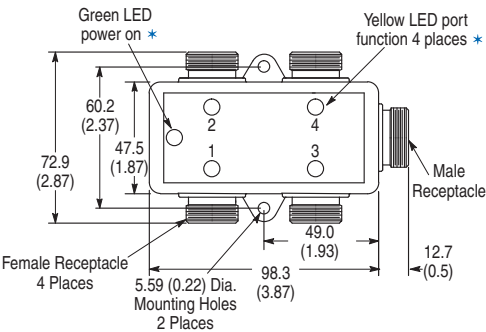
4-Port Mini Distribution Box

Specifications

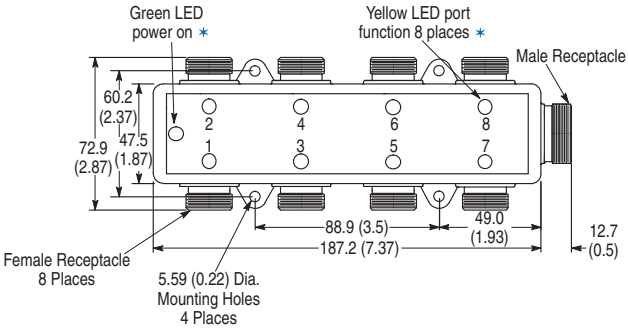
Certifications	UL Recognized and CSA Certified
Mechanical	
Connector Shell Material	Anodized aluminum with clear sealant
Housing Material	Yellow PET
Contact Material	Gold-plated palladium/nickel
Connector Insert Material	PVC
Environmental	
Enclosure Type Rating	NEMA 4, 6P, 12, 13; IP67; 1200 psi washdown
Operating Temperature [C (F)]	-30...+105° (-22...+221°)

Approximate Dimensions

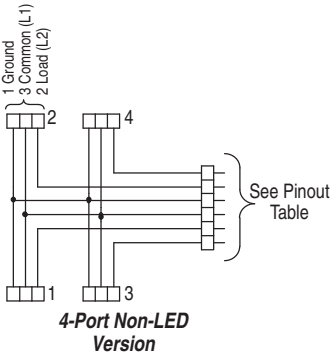
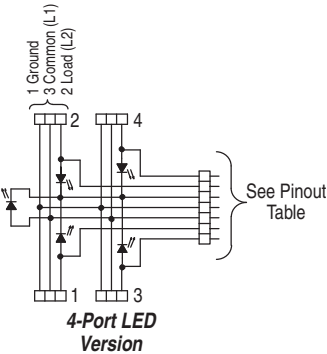
Dimensions are in millimeters (inches). Illustrations are not drawn to scale.



★ LED models only.



Typical Wiring Diagram



Mating Components & Accessories

Description	Cat. No.
Device Patchcords	889N-F3AFNU-6F△
Main Cordset	889N-F\$AF-‡
Terminal Chambers	871A-TS3-NU2
Sealing Caps	889A-NCAP

- △ The **6F** at the end of the cat. no. is for **6 ft** cable length. Replace the **6** with **3** (3 ft), **12** (12 ft), or **20** (20 ft) for other standard cable lengths.
- \$ Replace the symbol with the number of pins in the main connector.
- ‡ Replace the symbol with **2** (2 m), **5** (5 m), or **10** (10 m) for standard cable lengths.

Pinout

Ports	Main Connection					
	4-Port		6-Port		8-Port	
Wiring Arrangement	A	B	C	D	E	F
						
Ports (Female 3-Pin)	6-Pin Male	7-Pin Male	8-Pin Male	9-Pin Male	10-Pin Male	12-Pin Male
LED Ground	—	Pin 1	—	Pin 4	—	Pin 7
(+) All Ports Pin 3	Pin 1	Pin 3	Pin 5	Pin 5	Pin 10	Pin 11
(-) All Ports Pin 1	Pin 3	Pin 7	Pin 7	Pin 7	Pin 8	Pin 9
Port 1 Pin 2	Pin 2	Pin 4	Pin 6	Pin 6	Pin 7	Pin 10
Port 2 Pin 2	Pin 4	Pin 5	Pin 1	Pin 1	Pin 1	Pin 1
Port 3 Pin 2	Pin 5	Pin 2	Pin 4	Pin 9	Pin 9	Pin 12
Port 4 Pin 2	Pin 6	Pin 6	Pin 2	Pin 2	Pin 2	Pin 2
Port 5 Pin 2	—	—	Pin 3	Pin 8	Pin 3	Pin 3
Port 6 Pin 2	—	—	Pin 8	Pin 3	Pin 4	Pin 4
Port 7 Pin 2	—	—	—	—	Pin 5	Pin 5
Port 8 Pin 2	—	—	—	—	Pin 6	Pin 6
No Connection	—	—	—	—	—	Pin 8

Distribution Boxes, Mini Style

4-Pin, Parallel Wired, Mini Connector



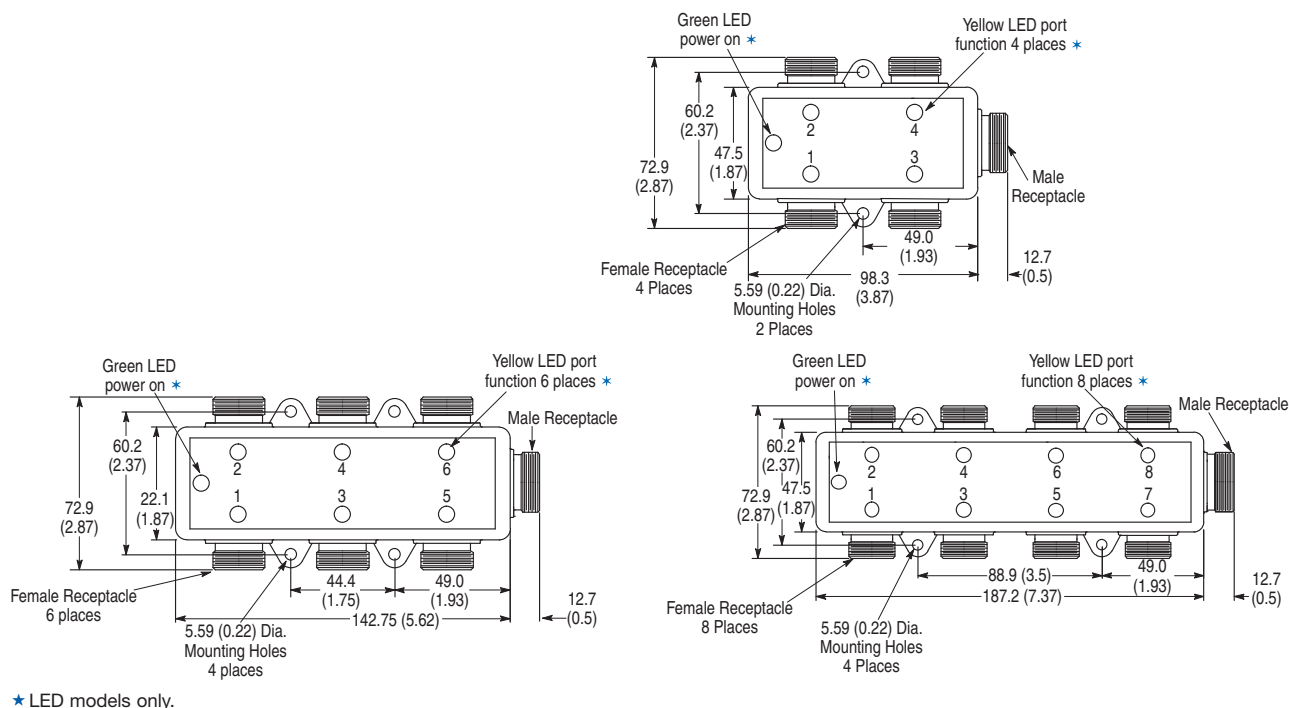
4-Port Mini Distribution Box

Specifications

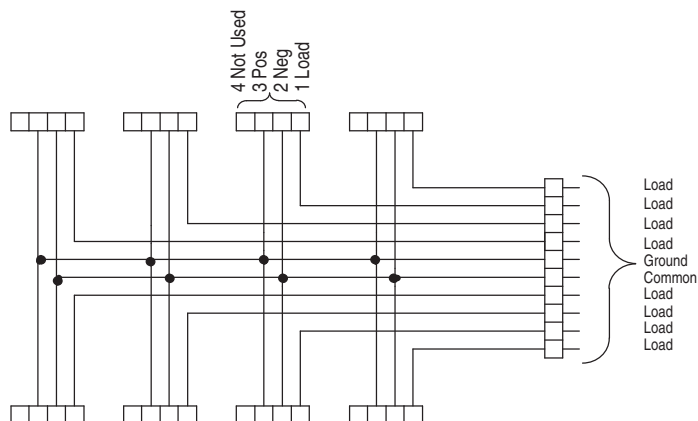
Certifications	UL Recognized and CSA Certified
Mechanical	
Connector Shell Material	Anodized aluminum with clear sealant
Housing Material	Yellow PET
Contact Material	Gold-plated palladium/nickel
Connector Insert Material	PVC
Environmental	
Enclosure Type Rating	NEMA 4, 6P, 12, 13; IP67; 1200 psi washdown
Operating Temperature [C (F)]	-30...+105° (-22...+221°)

Approximate Dimensions

Dimensions are in millimeters (inches). Illustrations are not drawn to scale.



Typical Wiring Diagram



Mating Components & Accessories

Description	Cat. No.
Device Patchcords	889N-F3AFNU-6F△
Main Cordset	889N-F\$AF-‡
Terminal Chambers	871A-TS3-NU2
Sealing Caps	889A-NCAP

△ The 6F at the end of the cat. no. is for 6 ft cable length. Replace the 6 with 3 (3 ft), 12 (12 ft), or 20 (20 ft) for other standard cable lengths.

\$ Replace the symbol with the number of pins in the main connector.

‡ Replace the symbol with 2 (2 m), 5 (5 m), or 10 (10 m) for standard cable lengths.

Distribution Boxes, Mini Style

4-Pin, Parallel Wired, Mini Connector

Pinout

Ports	Main Connection		
	4-Port	6-Port	8-Port
Wiring Arrangement	A	B	C
			
Ports (Female 4-Pin)	6-Pin Male	8-Pin Male	10-Pin Male
(+) All Ports Pin 3	Pin 1	Pin 5	Pin 10
(-) All Ports Pin 2	Pin 3	Pin 7	Pin 8
All Ports Pin 4	Not Used	Not Used	Not Used
Port 1 Pin 1	Pin 2	Pin 6	Pin 7
Port 2 Pin 1	Pin 4	Pin 1	Pin 1
Port 3 Pin 1	Pin 5	Pin 4	Pin 9
Port 4 Pin 1	Pin 6	Pin 2	Pin 2
Port 5 Pin 1	—	Pin 3	Pin 3
Port 6 Pin 1	—	Pin 8	Pin 4
Port 7 Pin 1	—	—	Pin 5
Port 8 Pin 1	—	—	Pin 6

Distribution Boxes, DC Micro Style

4-Pin, One Signal per Port, Cable Connector



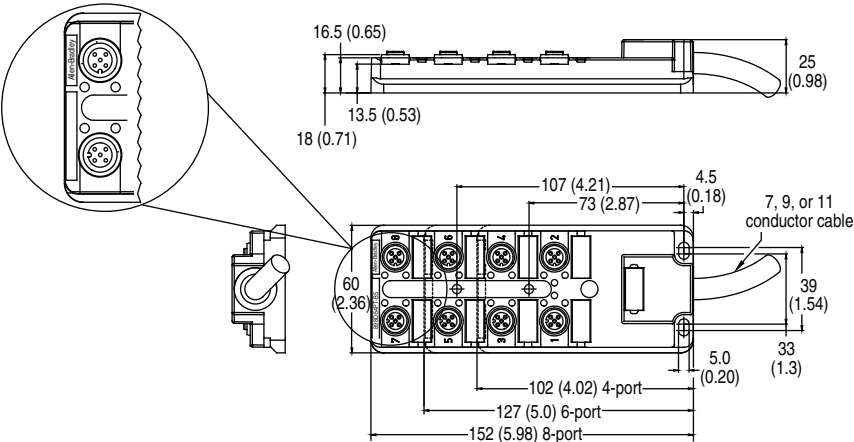
DC Micro 8-Port Distribution Box

Specifications

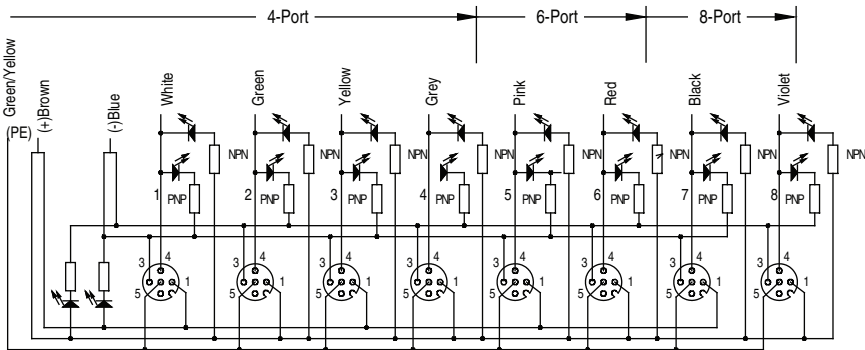
Certifications	UL Recognized and CSA Certified
Mechanical	
Material	Grey Pocan
Connector Insert Material	PBT
Receptacle Shell Material	Zinc diecast with nickel plating
Contact Material	Gold-plated palladium/nickel
Cable Type	Oil-resistant black PUR/PVC jacket, (3) 18 AWG stranded copper, (4, 6, or 8) 22 AWG flex rated for 1 million cycles
Cable Diameter [mm (in.)]	4-port = 7.5 mm (0.30 in.) 6-port = 7.8 mm (0.31 in.) 8-port = 8.2 mm (0.32 in.)
Environmental	
Enclosure Type Rating	IP67, NEMA 6P, 1200 psi (8270 kPa) washdown
Operating Temperature [C (F)]	-20...+90° (-4...+194°)

Approximate Dimensions

Dimensions are in millimeters (inches). Illustrations are not drawn to scale.



Typical Wiring Diagrams



Note: Wiring diagram shows both PNP and NPN wiring. Actual units use PNP LED, NPN LED or neither.

Mating Components & Accessories

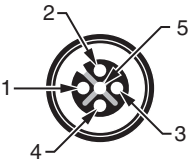
Description	Cat. No.
Device patchcord	889D-F4ACDM-1 ★
Field Attachable Connectors	871A-TS4-DM
IDC Field Attachable Connectors	889D-M4DC-H
Sealing Caps‡	1485A-M12
Labels§	1492-MS9X20

★ The 1 at the end of the cat. no. is for 1 m cable length. Replace the 1 with 2 (2 m), 3 (3 m), 5 (5 m), or 10 (10 m) for standard cable lengths.
 ‡ 2 provided with box
 § 1 set provided with box (see Industrial Controls catalog)

Distribution Boxes, DC Micro Style

4-Pin, One Signal per Port, Cable Connector

Pinout

Device Connection			Main Connection
			
Ports (Female 4-pin)			Cable Connector
4-Port	6-Port	8-Port	
Ground	Ground	Ground	Green/Yellow
(+) All Ports Pin 1	(+) All Ports Pin 1	(+) All Ports Pin 1	Brown
(-) All Ports Pin 3	(-) All Ports Pin 3	(-) All Ports Pin 3	Blue
Port 1 Pin 4	Port 1 Pin 4	Port 1 Pin 4	White
Port 2 Pin 4	Port 2 Pin 4	Port 2 Pin 4	Green
Port 3 Pin 4	Port 3 Pin 4	Port 3 Pin 4	Yellow
Port 4 Pin 4	Port 4 Pin 4	Port 4 Pin 4	Grey
—	Port 5 Pin 4	Port 5 Pin 4	Rose
—	Port 6 Pin 4	Port 6 Pin 4	Red
—	—	Port 7 Pin 4	Black
—	—	Port 8 Pin 4	Violet

Distribution Boxes, DC Micro Style

4-Pin, One Signal per Port, Cable with Mini QD Connector



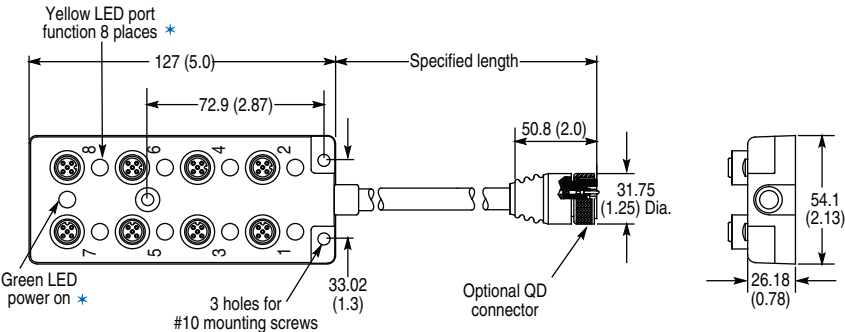
DC Micro 8-Port Distribution Box

Specifications

Certifications	UL Recognized and CSA Certified
Mechanical	
Material	Yellow PET
Connector Insert Material	PUR
Receptacle Shell Material	Anodized aluminum with clear sealant
Contact Material	Gold-plated palladium/nickel
Cable Type	Oil-resistant yellow PVC jacket, 18 AWG stranded copper conductors 300V
Cable Diameter [mm (in.)]	9 mm (0.36 in.)
Environmental	
Enclosure Type Rating	IP67, NEMA 6P, 1200 psi (8270 kPa) washdown
Operating Temperature [C (F)]	-20...+90° (-4...+194°)

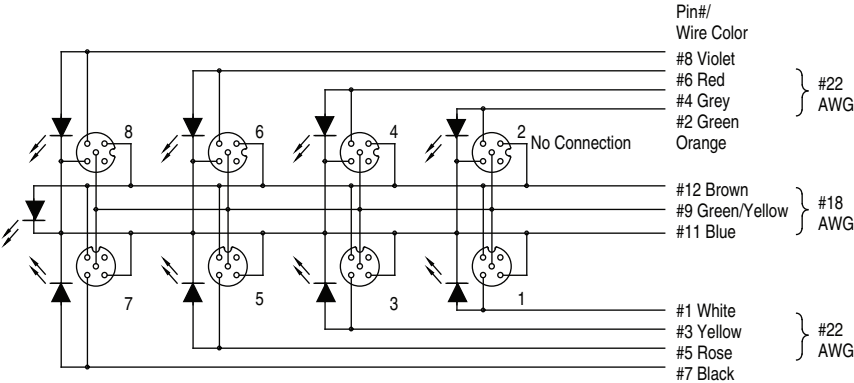
Approximate Dimensions

Dimensions are in millimeters (inches). Illustrations are not drawn to scale.



★ LED models only

Typical Wiring Diagrams



Note: Wiring diagram shows both PNP and NPN wiring. Actual units use PNP LED, NPN LED or neither.

Mating Components & Accessories

Description	Cat. No.
Device patchcord	889D-F4ACDM-1 ★
Field Attachable Connectors	871A-TS4-DM
IDC Field Attachable Connectors	889D-M4DC-H
Sealing Caps‡	1485A-M12
Labels§	1492-MS9X20

★ The 1 at the end of the cat. no. is for 1 m cable length. Replace the 1 with 2 (2 m), 3 (3 m), 5 (5 m), or 10 (10 m) for standard cable lengths.

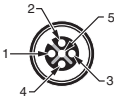
‡ 2 provided with box

§ 1 set provided with box (see Industrial Controls catalog)

Distribution Boxes, DC Micro Style

4-Pin, One Signal per Port, Cable with Mini QD Connector

Pinout

	Main Connection		
	4-Port	6-Port	8-Port
			
Ports (Female 4-Pin)	7-Pin Male	9-Pin Male	12-Pin Male
Ground	Pin 7	Pin 7	Pin 9
(+) All Ports Pin 1	Pin 6	Pin 9	Pin 12
(-) All Ports Pin 3	Pin 5	Pin 8	Pin 11
Port 1 Pin 4	Pin 1	Pin 1	Pin 1
Port 2 Pin 4	Pin 2	Pin 2	Pin 2
Port 3 Pin 4	Pin 3	Pin 3	Pin 3
Port 4 Pin 4	Pin 4	Pin 4	Pin 4
Port 5 Pin 4	—	Pin 5	Pin 5
Port 6 Pin 4	—	Pin 6	Pin 6
Port 7 Pin 4	—	—	Pin 7
Port 8 Pin 4	—	—	Pin 8
No Connection	—	—	Pin 10

Distribution Boxes, DC Micro Style

4-Pin, Two Signals per Port, Cable Connector



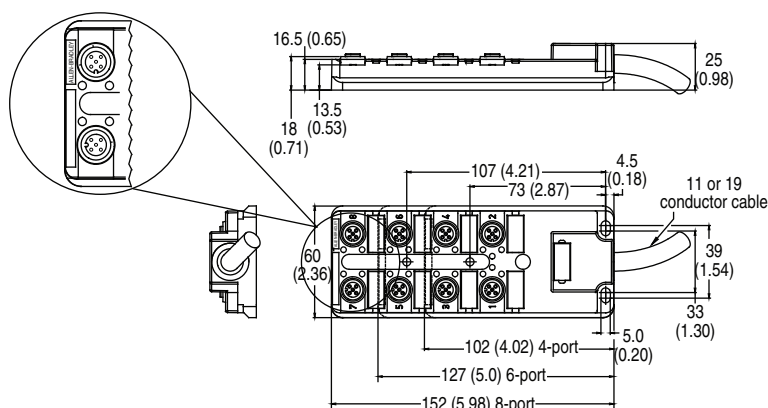
DC Micro 8-Port Distribution Box

Specifications

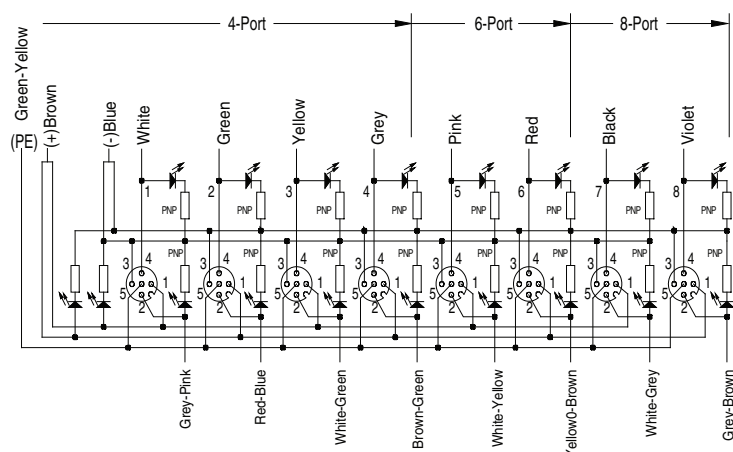
Certifications	UL Recognized and CSA Certified
Mechanical	
Material	Grey Pohan
Connector Insert Material	PBT
Receptacle Shell Material	Zinc diecast with nickel plating
Contact Material	Gold-plated palladium/nickel
Cable Type	Oil-resistant black PUR/PVC jacket, (3) 18 AWG stranded copper, (8 or 16) 22 AWG flex rated for 1 million cycles
Cable Diameter [mm (in.)]	4-port = 8.2 mm (0.32 in.) 8-port = 9.7 mm (0.38 in.)
Environmental	
Enclosure Type Rating	IP67, NEMA 6P, 1200 psi (8270 kPa) washdown
Operating Temperature [C (F)]	-20...+90° (-4...+194°)

Approximate Dimensions

Dimensions are in millimeters (inches). Illustrations are not drawn to scale.



Typical Wiring Diagrams



Note: Wiring diagram shows PNP wiring. Actual units use PNP LED or no LED.

Mating Components & Accessories

Description	Cat. No.
Device patchcord	889D-F4ACDM-1 ★
Field Attachable Connectors	871A-TS4-DM
IDC Field Attachable Connectors	889D-M4DC-H
V-Cable	879D-F4ACDM-1 ★
Splitter	879D-F4DM
Sealing Caps†	1485A-M12
Labels‡	1492-MS9X20

★ The 1 at the end of the cat. no. is for 1 m cable length. Replace the 1 with 2 (2 m), 3 (3 m), 5 (5 m), or 10 (10 m) for standard cable lengths.

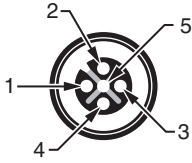
† 2 provided with box

‡ 1 set provided with box (see Industrial Controls catalog)

Distribution Boxes, DC Micro Style

4-Pin, Two Signals per Port, Cable Connector

Pinout

Device Connection		Main Connection
		
Ports (Female 4-pin)		Cable Connector
4-Port	8-Port	
Ground	Ground	Green/Yellow
(+) All Ports Pin 1	(+) All Ports Pin 1	Brown
(-) All Ports Pin 3	(-) All Ports Pin 3	Blue
Port 1 Pin 4	Port 1 Pin 4	White
Port 2 Pin 4	Port 2 Pin 4	Green
Port 3 Pin 4	Port 3 Pin 4	Yellow
Port 4 Pin 4	Port 4 Pin 4	Grey
—	Port 5 Pin 4	Rose
—	Port 6 Pin 4	Red
—	Port 7 Pin 4	Black
—	Port 8 Pin 4	Violet
Port 1 Pin 2	Port 1 Pin 2	Grey-Pink
Port 2 Pin 2	Port 2 Pin 2	Red-Blue
Port 3 Pin 2	Port 3 Pin 2	White-Green
Port 4 Pin 2	Port 4 Pin 2	Brown-Green
—	Port 5 Pin 2	White-Yellow
—	Port 6 Pin 2	Yellow-Brown
—	Port 7 Pin 2	White-Grey
—	Port 8 Pin 2	Grey-Brown

Distribution Boxes, DC Micro Style

4-Pin, One Signal per Port, Terminal Block Connector



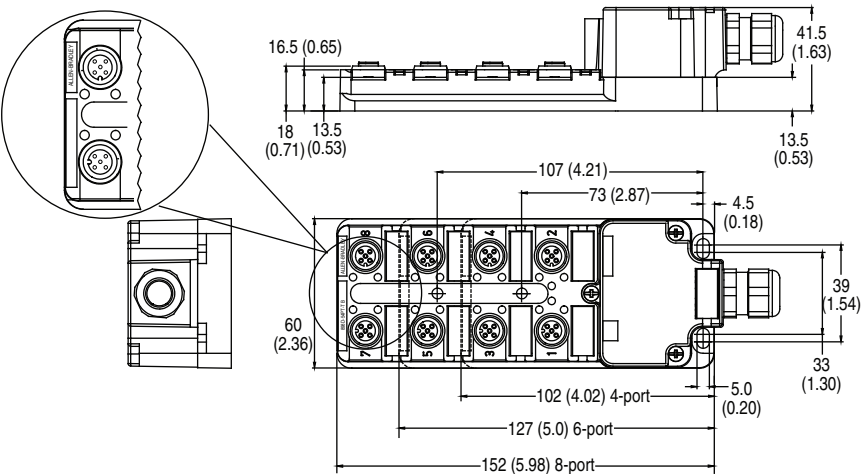
DC Micro 8-Port Distribution Box

Specifications

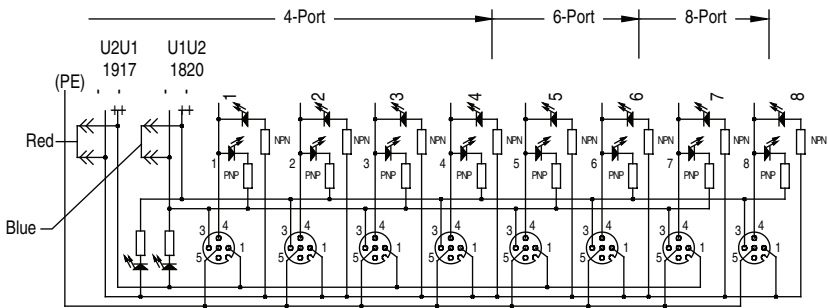
Certifications	UL Recognized and CSA Certified
Mechanical	
Material	Grey Pohan
Connector Insert Material	PBT
Receptacle Shell Material	Zinc diecast with nickel plating
Contact Material	Gold-plated palladium/nickel
Cable Gland	M20 mounting thread
Cable Diameter [mm (in.)]	6...10 mm (0.24...0.39 in)
Environmental	
Enclosure Type Rating	IP67; 1200 psi washdown
Operating Temperature [C (F)]	-20...+90° (-4...+194°)

Approximate Dimensions

Dimensions are in millimeters (inches). Illustrations are not drawn to scale.



Typical Wiring Diagrams



Note: Wiring diagram shows both PNP and NPN wiring. Actual units use PNP LED, NPN LED or neither.

Mating Components & Accessories

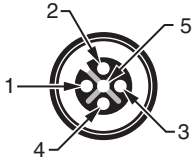
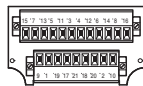
Description	Cat. No.
Device patchcord	889D-F4ACDM-1 ★
Field Attachable Connectors	871A-TS4-DM
IDC Field Attachable Connectors	889D-M4DC-H
Sealing Caps‡	1485A-M12
Labels§	1492-MS9X20

★ The 1 at the end of the cat. no. is for 1 m cable length. Replace the 1 with 2 (2 m), 3 (3 m), 5 (5 m), or 10 (10 m) for standard cable lengths.
 ‡ 2 provided with box
 § 1 set provided with box (see Industrial Controls catalog)

Distribution Boxes, DC Micro Style

4-Pin, One Signal per Port, Terminal Block Connector

Pinout

Device Connection		Main Connection
		
Ports (Female 4-pin)		Terminal Block Connector
4-Port	8-Port	
Ground	Ground	PE
(+) Odd Ports Pin 1	(+) Odd Ports Pin 1	17
(+) Even Ports Pin 1	(+) Even Ports Pin 1	19
(-) Odd Ports Pin 3	(-) Odd Ports Pin 3	18
(-) Even Ports Pin 3	(-) Even Ports Pin 3	20
Port 1 Pin 4	Port 1 Pin 4	1
Port 2 Pin 4	Port 2 Pin 4	2
Port 3 Pin 4	Port 3 Pin 4	3
Port 4 Pin 4	Port 4 Pin 4	4
—	Port 5 Pin 4	5
—	Port 6 Pin 4	6
—	Port 7 Pin 4	7
—	Port 8 Pin 4	8

Distribution Boxes, DC Micro Style

4-Pin, One or Two Signals per Port, M23 Main Connector

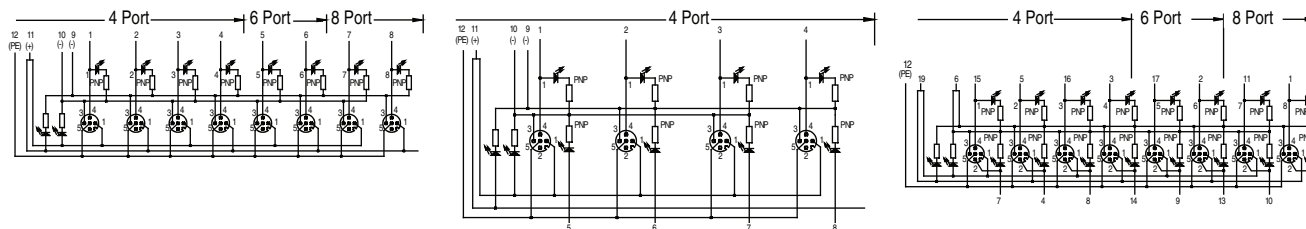


DC Micro 8-Port Distribution Box

Specifications

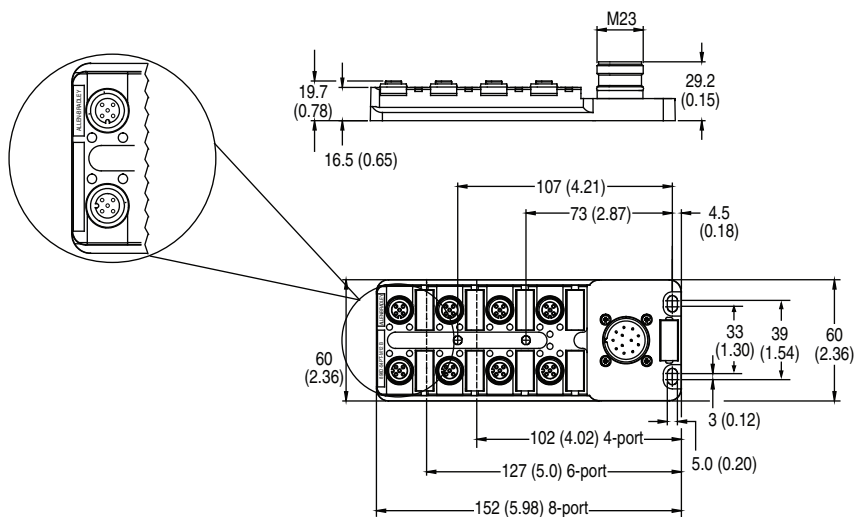
Certifications	UL Recognized and CSA Certified
Mechanical	
Material	Grey Pohan
Connector Insert Material	PBT
Receptacle Shell Material	Zinc diecast with nickel plating
Contact Material	Gold-plated palladium/nickel
Main Connector Style	12- and 19-Pin M23
Environmental	
Enclosure Type Rating	IP67, 1200 psi (8270 kPa) washdown
Operating Temperature [C (F)]	-20...+90° (-4...+194°)

Typical Wiring Diagrams



Approximate Dimensions

Dimensions are in millimeters (inches). Illustrations are not drawn to scale.



Mating Components & Accessories

Description	Cat. No.
Device patchcord	889D-F4ACDM-2 ★
Main patchcord (12-pin)	889M-R11RMMU-2 ★
Main patchcord (19-pin)	889M-R19RMMU-2 ★
V-Cable (Dual)	879D-F4ADM-2
Sealing Caps†	1485A-M12
Labels§	1492-MS9X20

★ The 2 at the end of the cat. no. is for 2 m cable length. Replace the 2 with 1 (1 m), 3 (3 m), 5 (5 m), or 10 (10 m) for standard cable lengths.

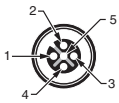
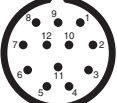
† 2 provided with box

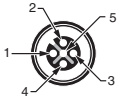
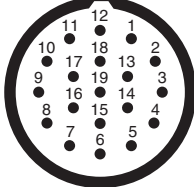
§ 1 set provided with box (see Industrial Controls catalog)

Distribution Boxes, DC Micro Style

4-Pin, One or Two Signals per Port, M23 Main Connector

Pinout

Device Connection			Main Connection
			
Ports (Female 4-pin)			M23 Connector (Male 12-Pin)
4-Port (Single Channel)	4-Port (Dual Channel)	8-Port (Single Channel)	
Ground	Ground	Ground	12
(+) All Ports Pin 1	(+) All Ports Pin 2	(+) All Ports Pin 1	11
(-) All Ports Pin 3	(-) All Ports Pin 4	(-) All Ports Pin 3	10 & 9
Port 1 Pin 4	Port 1 Pin 4	Port 1 Pin 4	1
Port 2 Pin 4	Port 2 Pin 4	Port 2 Pin 4	2
Port 3 Pin 4	Port 3 Pin 4	Port 3 Pin 4	3
Port 4 Pin 4	Port 4 Pin 4	Port 4 Pin 4	4
—	Port 1 Pin 2	Port 5 Pin 4	5
—	Port 2 Pin 2	Port 6 Pin 4	6
—	Port 3 Pin 2	Port 7 Pin 4	7
—	Port 4 Pin 2	Port 8 Pin 4	8

Device Connection	Main Connection
	
Ports (Female 4-pin)	M23 Connector (Male 19-Pin)
8-Port (Dual Channel)	
Ground	12
(+) All Ports Pin 1	19
(-) All Ports Pin 3	6
Port 1 Pin 4	15
Port 2 Pin 4	5
Port 3 Pin 4	16
Port 4 Pin 4	3
Port 5 Pin 4	17
Port 6 Pin 4	2
Port 7 Pin 4	11
Port 8 Pin 4	1
Port 1 Pin 2	7
Port 2 Pin 2	4
Port 3 Pin 2	8
Port 4 Pin 2	14
Port 5 Pin 2	9
Port 6 Pin 2	13
Port 7 Pin 2	10
Port 8 Pin 2	18

Distribution Boxes, DC Micro Style

4-, 6-, and 8-Port, Parallel Wired



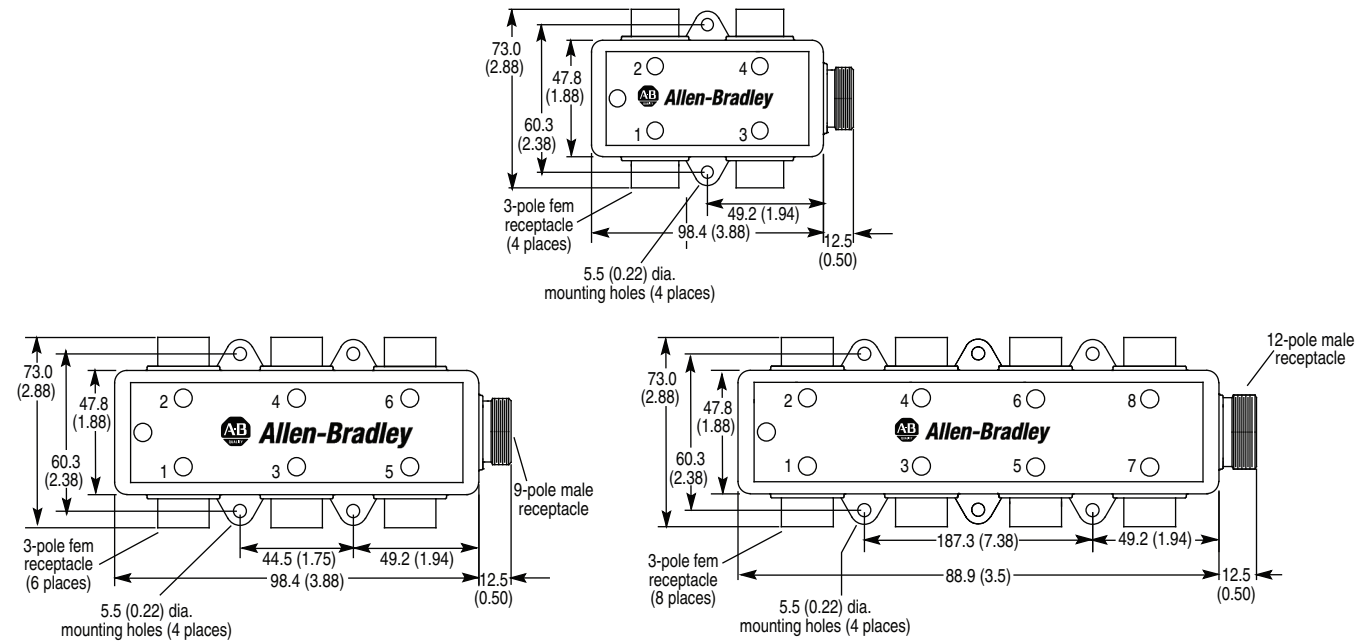
AC Micro Male Receptacle

Specifications

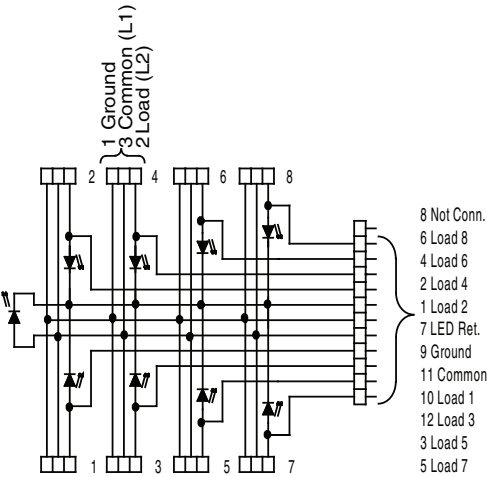
Certifications	UL Recognized and CSA Certified
Mechanical	
Material	Yellow PET
Connector Insert Material	PVC
Receptacle Shell Material	Anodized aluminum with clear sealant
Contact Material	Gold-plated palladium/nickel
Environmental	
Enclosure Type Rating	IP67; NEMA 6P
Operating Temperature [C (F)]	-30...+105° (-22...+221°)

Approximate Dimensions

Dimensions are in millimeters (inches). Illustrations are not drawn to scale.



Typical Wiring Diagrams



Note: 8-port LED version.

Mating Components & Accessories

Description	Cat. No.
Device patchcord	889R-F3AERM-1★
Main cordset	889N-F★ AF-1★
Field Attachable Connectors	871A-TS3-RM
Sealing Caps†	889A-RMCAP

- ★ The 1 at the end of the cat. no. is for 1 m cable length. Replace the 1 with 2 (2 m), 3 (3 m), 5 (5 m), or 10 (10 m) for standard cable lengths.
- ✦ Replace symbol with the number of pins in the main connection.

Distribution Boxes, DC Micro Style

4-, 6-, and 8-Port, Parallel Wired

Pinout and Wiring Arrangement

	Main Connection					
	4-Port		6-Port		8-Port	
						
Wiring Arrangement	A	B	C	D	E	F
Ports (3-pin AC Micro Female)	6-Pin Mini Male	7-Pin Mini Male	8-Pin Mini Male	9-Pin Mini Male	10-Pin Mini Male	12-Pin Mini Male
LED Return	—	Pin 1	—	Pin 4	—	Pin 7
All Ports Pin 3 (L1)	Pin 1	Pin 3	Pin 5	Pin 5	Pin 10	Pin 11
All Ports Pin 1 (GND)	Pin 3	Pin 7	Pin 7	Pin 7	Pin 8	Pin 9
Port 1 Pin 2 (L2)	Pin 2	Pin 4	Pin 6	Pin 6	Pin 7	Pin 10
Port 2 Pin 2 (L2)	Pin 4	Pin 5	Pin 1	Pin 1	Pin 1	Pin 1
Port 3 Pin 2 (L2)	Pin 5	Pin 2	Pin 4	Pin 9	Pin 9	Pin 12
Port 4 Pin 2 (L2)	Pin 6	Pin 6	Pin 2	Pin 2	Pin 2	Pin 2
Port 5 Pin 2 (L2)	—	—	Pin 3	Pin 8	Pin 3	Pin 3
Port 6 Pin 2 (L2)	—	—	Pin 8	Pin 3	Pin 4	Pin 4
Port 7 Pin 2 (L2)	—	—	—	—	Pin 5	Pin 5
Port 8 Pin 2 (L2)	—	—	—	—	Pin 6	Pin 6
No Connection	—	—	—	—	—	Pin 8

Distribution Boxes, Pico Style

3-Pin, Cable Connector



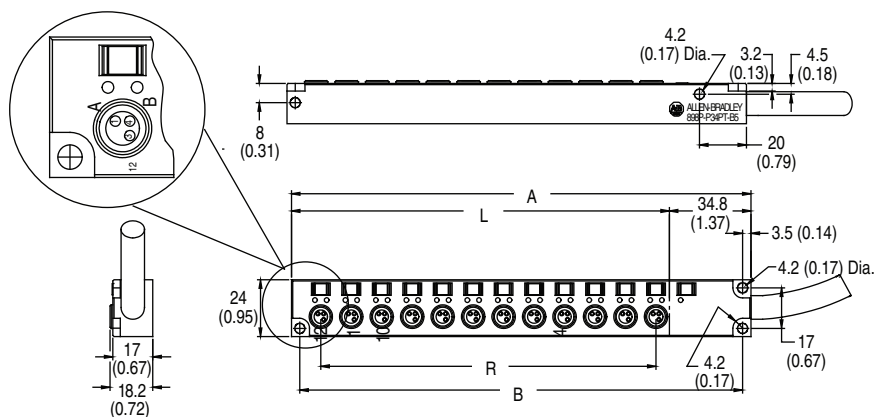
Pico 8-Port Distribution Box

Specifications

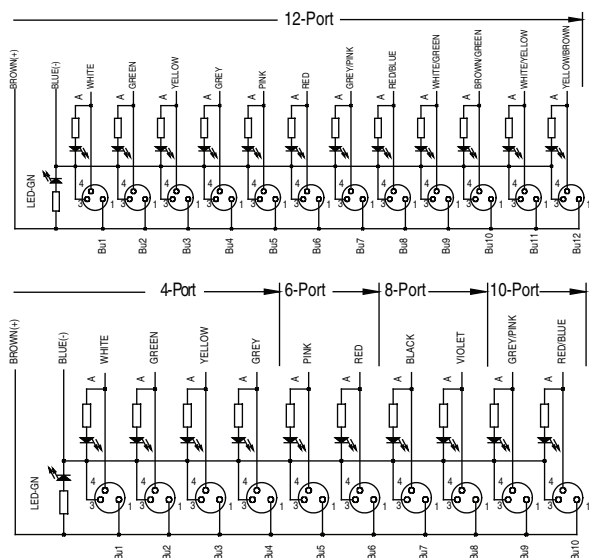
Certifications	UL Recognized and CSA Certified
Mechanical	
Material	Grey Pohan
Connector Insert Material	PBT
Receptacle Shell Material	Nickel-plated brass
Contact Material	Gold-plated palladium/nickel
Cable Type	Oil-resistant black PUR/PVC jacket, (3) 18 AWG stranded copper, (4, 6, 8, 10 or 12) 22 AWG flex rated for 1 million cycles
Cable Diameter	4-port = 6.4 mm (0.25 in.) 6-port = 7.2 mm (0.28 in.) 8-port = 7.4 mm (0.29 in.) 10-port = 7.6 mm (0.30 in.) 12-port = 9.8 mm (0.39 in.)
Environmental	
Enclosure Type Rating	IP67
Operating Temperature [C (F)]	-20...+80° (-4...+176°)

Approximate Dimensions

Dimensions are in millimeters (inches). Illustrations are not drawn to scale.



Typical Wiring Diagrams



Mating Components & Accessories

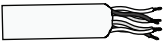
Description	Cat. No.
Device patchcord	889P-F3ABPM-1 ★
Field Attachable Connectors	871A-TS3-PM
IDC Field Attachable Connectors	889P-M3DC-H
Sealing Caps†	889A-PMCAP
Labels§	1492-M5X10

★ The 1 at the end of the cat. no. is for 1 m cable length. Replace the 1 with 2 (2 m), 3 (3 m), 5 (5 m), or 10 (10 m) for standard cable lengths.

† 2 provided with box

§ 1 set provided with box (see the Industrial Controls catalog)

Pinout

Device Connection					Main Connection
					
Ports (Female 3-pin)					Cable
4-Port	6-Port	8-Port	10-Port	12-Port	
Ground	Ground	Ground	Ground	Ground	Green/Yellow
(+) All Ports Pin 1	(+) All Ports Pin 1	(+) All Ports Pin 1	(+) All Ports Pin 1	(+) All Ports Pin 1	Brown
(-) All Ports Pin 3	(-) All Ports Pin 3	(-) All Ports Pin 3	(-) All Ports Pin 3	(-) All Ports Pin 3	Blue
Port 1 Pin 4	Port 1 Pin 4	Port 1 Pin 4	Port 1 Pin 4	Port 1 Pin 4	White
Port 2 Pin 4	Port 2 Pin 4	Port 2 Pin 4	Port 2 Pin 4	Port 2 Pin 4	Green
Port 3 Pin 4	Port 3 Pin 4	Port 3 Pin 4	Port 3 Pin 4	Port 3 Pin 4	Yellow
Port 4 Pin 4	Port 4 Pin 4	Port 4 Pin 4	Port 4 Pin 4	Port 4 Pin 4	Grey
—	Port 5 Pin 4	Port 5 Pin 4	Port 5 Pin 4	Port 5 Pin 4	Rose
—	Port 6 Pin 4	Port 6 Pin 4	Port 6 Pin 4	Port 6 Pin 4	Red
—	—	Port 7 Pin 4	Port 7 Pin 4	—	Black
—	—	Port 8 Pin 4	Port 8 Pin 4	—	Violet
—	—	—	Port 9 Pin 4	Port 7 Pin 4	Grey/Pink
—	—	—	Port 10 Pin 4	Port 8 Pin 4	Red/Glue
—	—	—	—	Port 9 Pin 4	White/Green
—	—	—	—	Port 10 Pin 4	Brown/Green
—	—	—	—	Port 11 Pin 4	White/Yellow
—	—	—	—	Port 12 Pin 4	Yellow/Brown

Distribution Boxes, Pico Style

3-Pin, DC Micro Main Connector



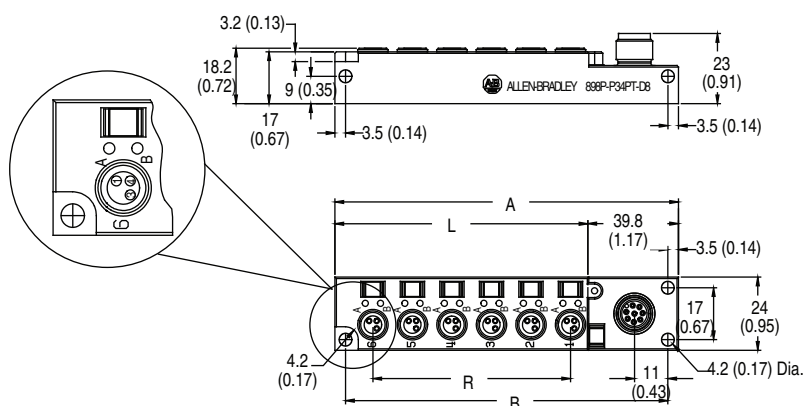
Pico 6-Port Distribution Box

Specifications

Certifications	UL Recognized and CSA Certified
Mechanical	
Material	Grey Pohan
Connector Insert Material	PBT
Receptacle Shell Material	Nickel-plated brass
Contact Material	Gold-plated palladium/nickel
Main Connector Style	8-Pin DC Micro
Environmental	
Enclosure Type Rating	IP67
Operating Temperature [C (F)]	-20...+80° (-4...+176°)

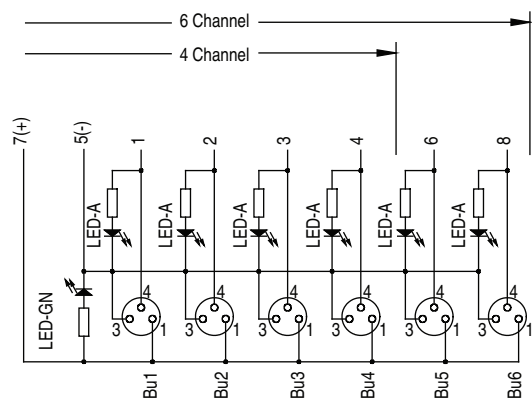
Approximate Dimensions

Dimensions are in millimeters (inches). Illustrations are not drawn to scale.



No. of Ports	L	R	B	A
4	57 (2.2)	39 (1.5)	80 (3.1)	87 (3.4)
6	83 (3.3)	65 (2.6)	106 (4.2)	113 (4.4)

Typical Wiring Diagrams



Mating Components & Accessories

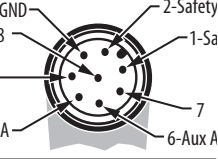
Description	Cat. No.
Device patchcord (3-pin)	889P-F3ABPM-1 ★
DC Micro Homerun patchcord	889D-R8ABDM-1«
Field Attachable Connectors	871A-TS3-PM
IDC Field Attachable Connectors	889P-M3DC-H
Sealing Caps‡	889A-PMCAP
Labels§	1492-M5X10

★ The 1 at the end of the cat. no. is for 1 m cable length. Replace the 1 with 2 (2 m), 3 (3 m), 5 (5 m), or 10 (10 m) for standard cable lengths.

‡ 2 provided with box

§ 1 set provided with box (see the Industrial Controls catalog)

Pinout

Device Connection		Main Connection
		
Ports (Female 3-pin)		8-Pin DC Micro
4-Port	6-Port	
(+) All Ports Pin 1	(+) All Ports Pin 1	7
(-) All Ports Pin 3	(-) All Ports Pin 3	5
Port 1 Pin 4	Port 1 Pin 4	1
Port 2 Pin 4	Port 2 Pin 4	2
Port 3 Pin 4	Port 3 Pin 4	3
Port 4 Pin 4	Port 4 Pin 4	4
—	Port 5 Pin 4	6
—	Port 6 Pin 4	8

Distribution Boxes, IDC Style

One Signal per Port, Cable Connector

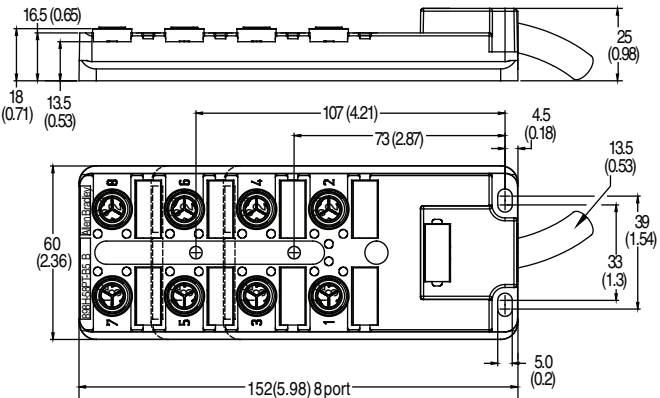


Specifications

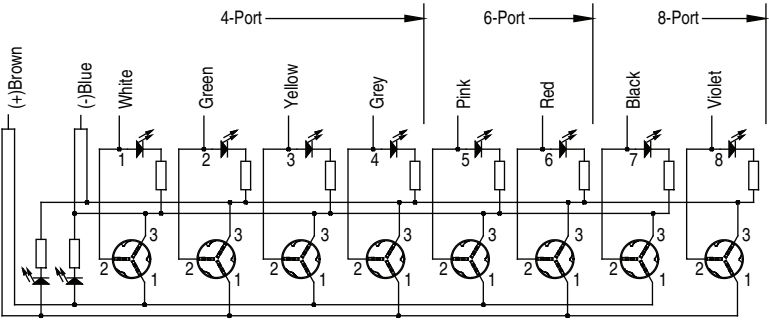
Certifications	UL Recognized and CSA Certified
Mechanical	
Material	Grey Pohan
Connector Insert Material	PBT
Receptacle Shell Material	Nickel-plated brass
Contact Material	Gold-plated palladium/nickel
IDC Installations, max.	10
Cable Type	Oil-resistant black PUR/PVC jacket, (3) 18 AWG stranded copper, (8 or 16) 22 AWG flex rated for 1 million cycles
Cable Diameter	7.4 mm (0.29 in.)
Conductor OD [mm (in.)]	24...22 AWG, 1.6...2.0 mm (0.063...0.079 in.)
Environmental	
Enclosure Type Rating	IP67; 1200 psi washdown
Operating Temperature [C (F)]	-20...+90° (-4...+194°)

Approximate Dimensions

Dimensions are in millimeters (inches). Illustrations are not drawn to scale.



Typical Wiring Diagrams



Note: Wiring diagram shows PNP wiring. Actual units use PNP LED or no LED.

Mating Components & Accessories

Description	Cat. No.
Device patchcord	889D-F4AC-2★
3-pole IDC Insert (Required for Connection with IDC box)	889A-HCC3
Sealing Caps‡	1485A-M12
Labels§	1492-MS9X20

★ The 2 at the end of the cat. no. is for 2 m cable length. Replace the 2 with 5 (5 m), or 10 (10 m) for standard cable lengths.

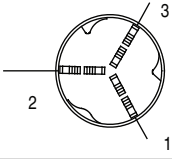
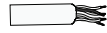
‡ 2 provided with box

§ 1 set provided with box (see the Industrial Controls catalog)

Distribution Boxes, IDC Style

One Signal per Port, Cable Connector

Pinout

Device Connection	Main Connection
	
Ports (IDC)	Cable Connector
8-Port	
(+) All Ports Pin 1	Brown
(-) All Ports Pin 3	Blue
Port 1 Pin 2	White
Port 2 Pin 2	Green
Port 3 Pin 2	Yellow
Port 4 Pin 2	Grey
Port 5 Pin 2	Rose
Port 6 Pin 2	Red
Port 7 Pin 2	Black
Port 8 Pin 2	Violet

Allen-Bradley and Rockwell Automation are trademarks of Rockwell Automation, Inc. Trademarks not belonging to Rockwell Automation are property of their respective companies.

www.rockwellautomation.com

Power, Control and Information Solutions Headquarters

Americas: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444

Europe/Middle East/Africa: Rockwell Automation NV, Pegasus Park, De Kleetlaan 12a, 1831 Diegem, Belgium, Tel: (32) 2 663 0600, Fax: (32) 2 663 0640

Asia Pacific: Rockwell Automation, Level 14, Core F, Cyberport 3, 100 Cyberport Road, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846