

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



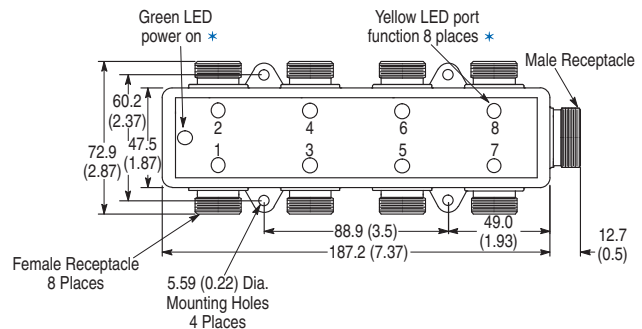
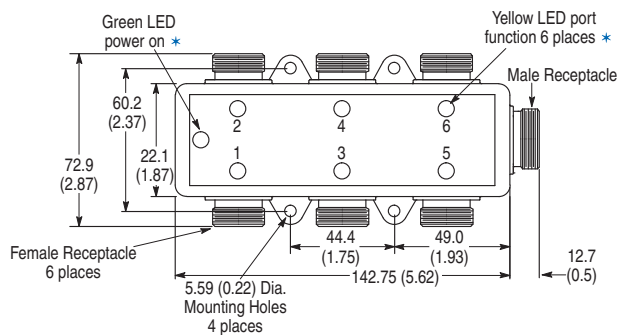
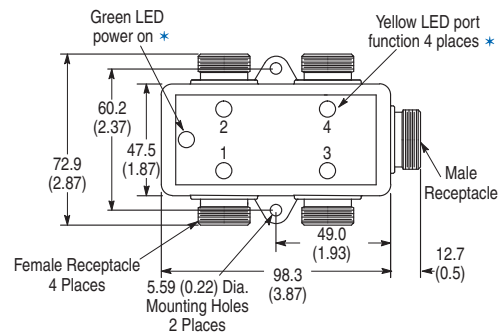
4-Port Mini Distribution Box

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°)

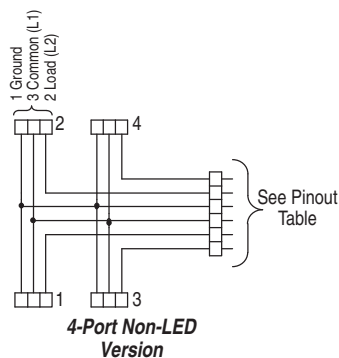
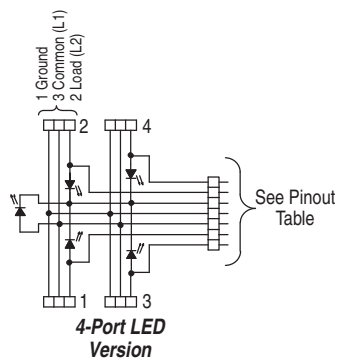
Approximate Dimensions

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



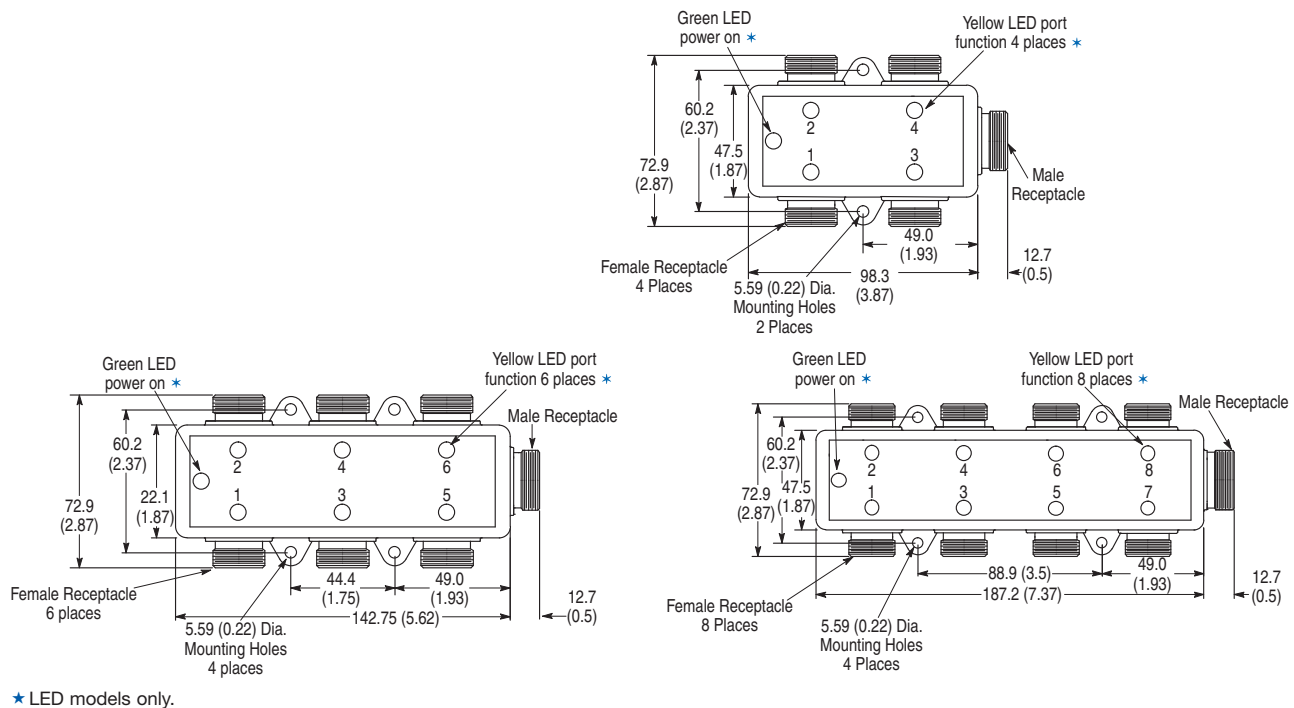
4-Port Mini Distribution Box

Specifications

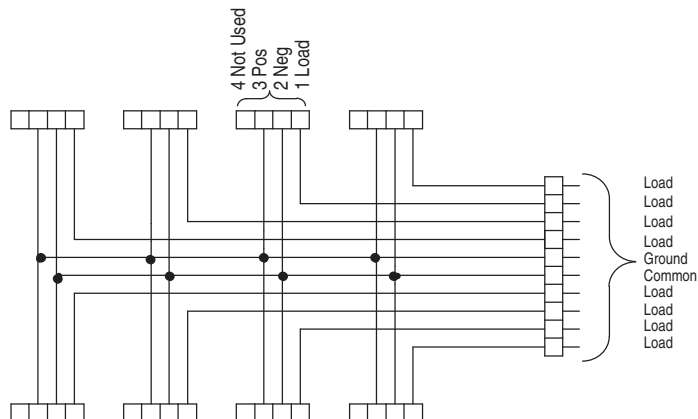
Certifications	UL Recognized and CSA Certified
Mechanical	
Connector Shell Material	Anodized aluminum with clear sealant
Housing Material	Yellow PET
Contact Material	Gold-plated palladium/nickel
Connector Insert Material	PVC
Environmental	
Enclosure Type Rating	NEMA 4, 6P, 12, 13; IP67; 1200 psi washdown
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



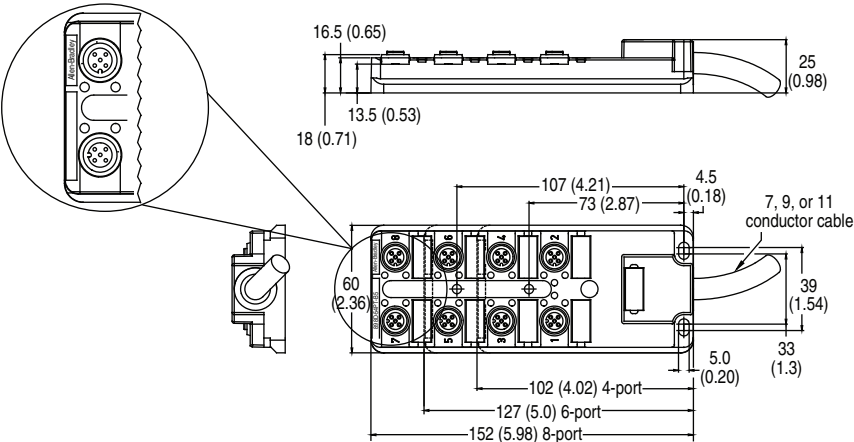
DC Micro 8-Port Distribution Box

Specifications

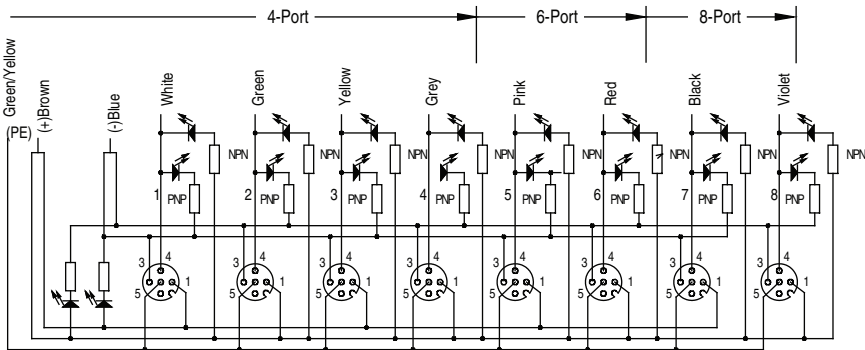
Certifications	UL Recognized and CSA Certified
Mechanical	
Material	Grey Pocan
Connector Insert Material	PBT
Receptacle Shell Material	Zinc diecast with nickel plating
Contact Material	Gold-plated palladium/nickel
Cable Type	Oil-resistant black PUR/PVC jacket, (3) 18 AWG stranded copper, (4, 6, or 8) 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

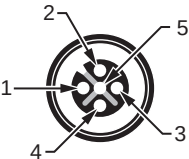
Description	Cat. No.
Device patchcord	889D-F4ACDM-1 ★
Field Attachable Connectors	871A-TS4-DM
IDC Field Attachable Connectors	889D-M4DC-H
Sealing Caps‡	1485A-M12
Labels§	1492-MS9X20

★ 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



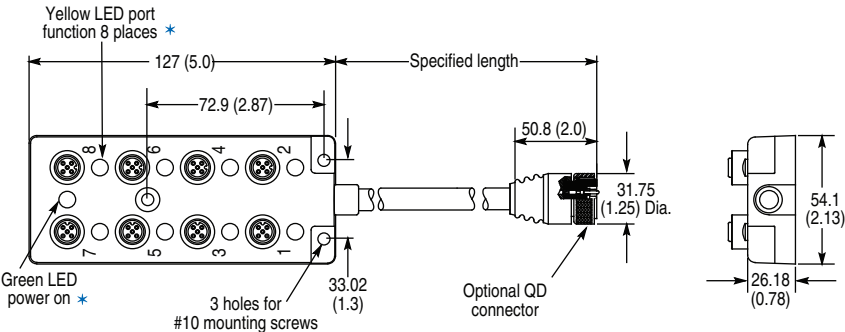
DC Micro 8-Port Distribution Box

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°)

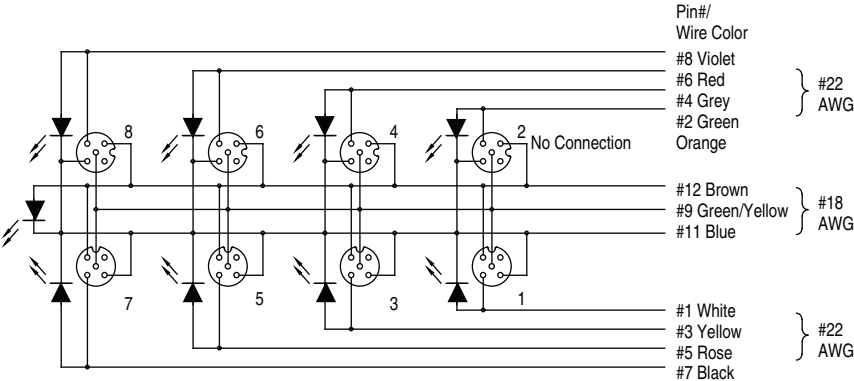
Approximate Dimensions

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.

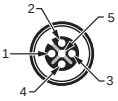
‡ 2 provided with box

§ 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



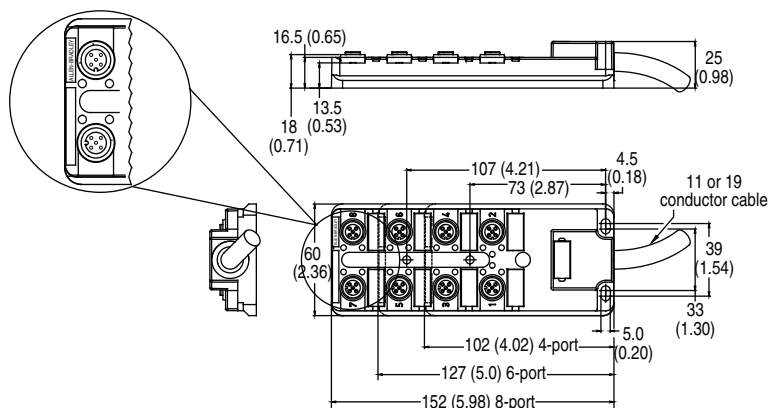
DC Micro 8-Port Distribution Box

Specifications

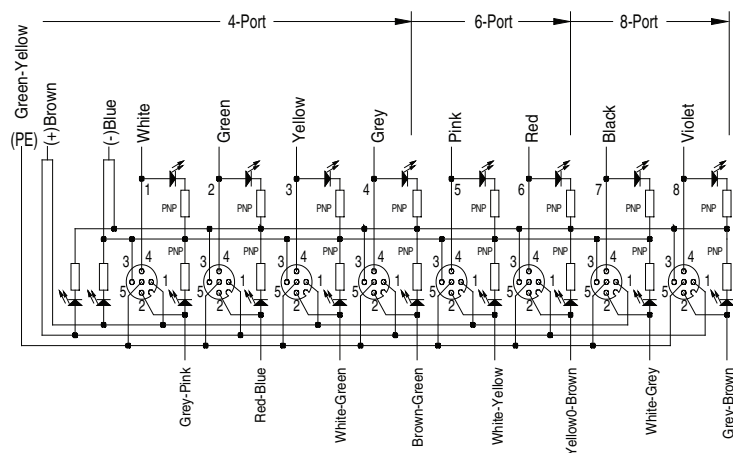
Certifications	UL Recognized and CSA Certified
Mechanical	
Material	Grey Pohan
Connector Insert Material	PBT
Receptacle Shell Material	Zinc diecast with nickel plating
Contact Material	Gold-plated palladium/nickel
Cable Type	Oil-resistant black PUR/PVC jacket, (3) 18 AWG stranded copper, (8 or 16) 22 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.

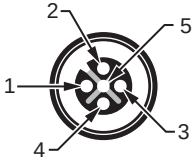
† 2 provided with box

‡ 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



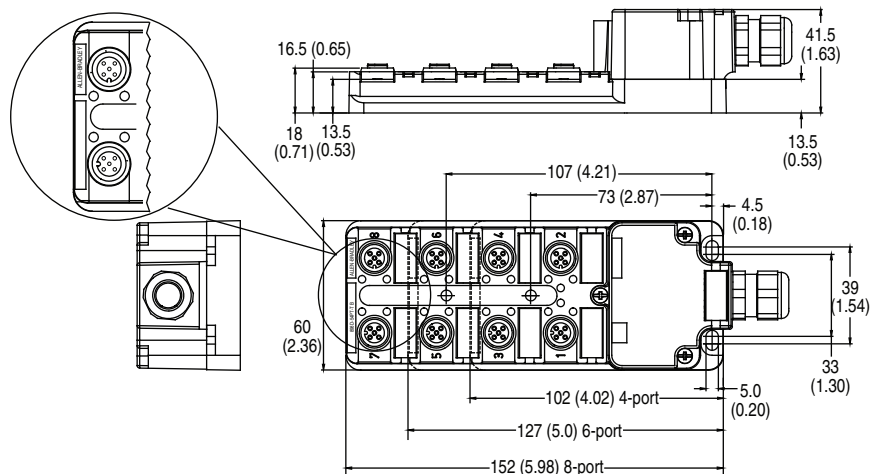
DC Micro 8-Port Distribution Box

Specifications

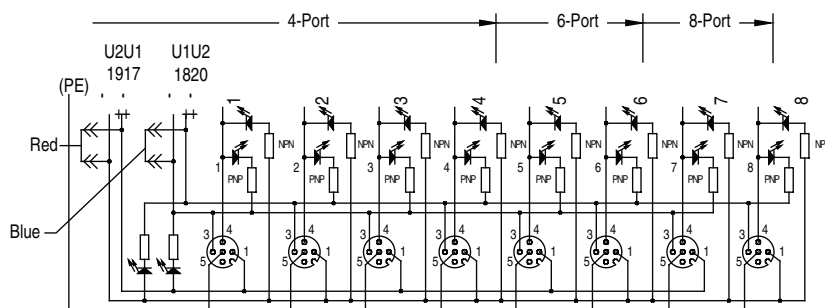
Certifications	UL Recognized and CSA Certified
Mechanical	
Material	Grey Pohan
Connector Insert Material	PBT
Receptacle Shell Material	Zinc diecast with nickel plating
Contact Material	Gold-plated palladium/nickel
Cable Gland	M20 mounting thread
Cable Diameter [mm (in.)]	6...10 mm (0.24...0.39 in)
Environmental	
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.

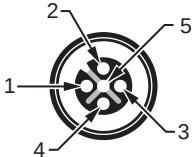
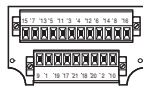
† 2 provided with box

§ 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

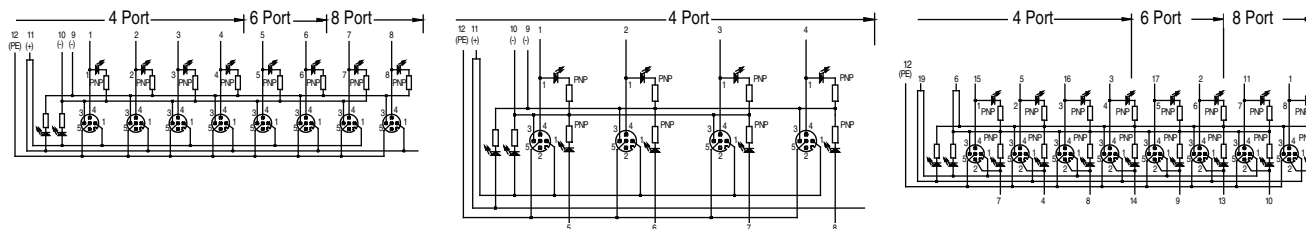


DC Micro 8-Port Distribution Box

Specifications

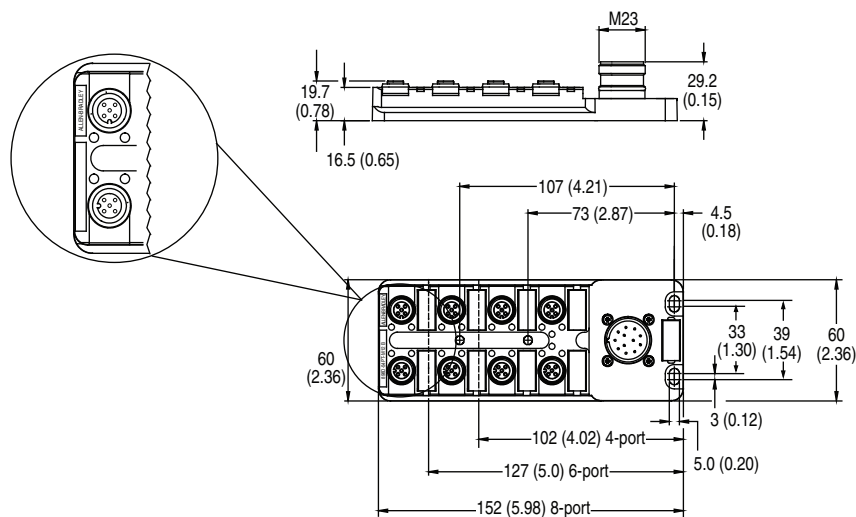
Certifications	UL Recognized and CSA Certified
Mechanical	
Material	Grey Pohan
Connector Insert Material	PBT
Receptacle Shell Material	Zinc diecast with nickel plating
Contact Material	Gold-plated palladium/nickel
Main Connector Style	12- and 19-Pin M23
Environmental	
Enclosure Type Rating	IP67, 1200 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.

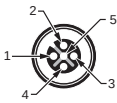
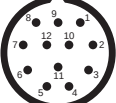
† 2 provided with box

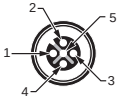
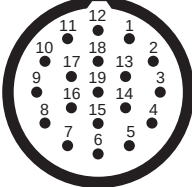
§ 1 set provided with box (see Industrial Controls catalog)

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

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



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°)

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



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

- ♣ 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

 Wiring Arrangement	Main Connection					
	4-Port		6-Port		8-Port	
						
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



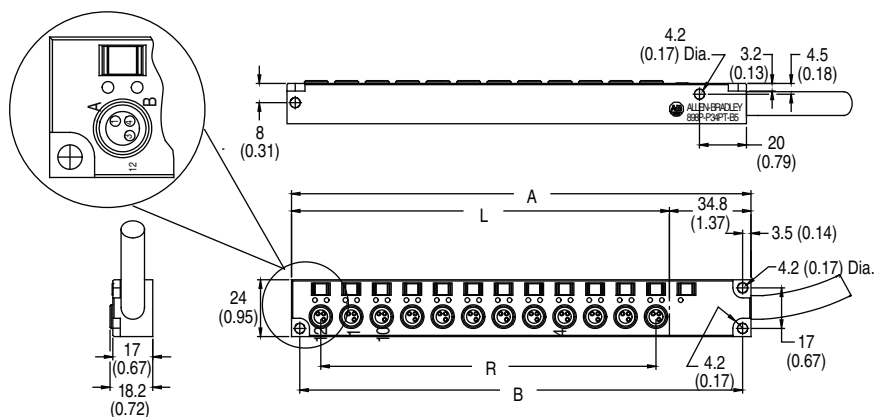
Pico 8-Port Distribution Box

Specifications

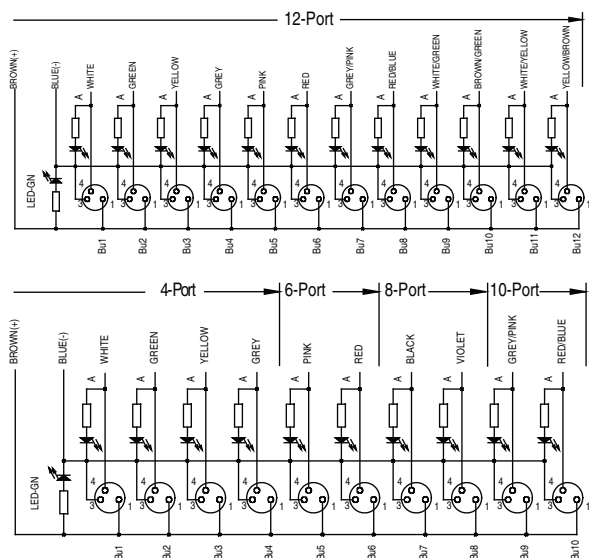
Certifications	UL Recognized and CSA Certified
Mechanical	
Material	Grey Pocolan
Connector Insert Material	PBT
Receptacle Shell Material	Nickel-plated brass
Contact Material	Gold-plated palladium/nickel
Cable Type	Oil-resistant black PUR/PVC jacket, (3) 18 AWG stranded copper, (4, 6, 8, 10 or 12) 22 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

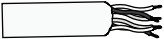
Description	Cat. No.
Device patchcord	889P-F3ABPM-1 ★
Field Attachable Connectors	871A-TS3-PM
IDC Field Attachable Connectors	889P-M3DC-H
Sealing Caps†	889A-PMCAP
Labels§	1492-M5X10

★ 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



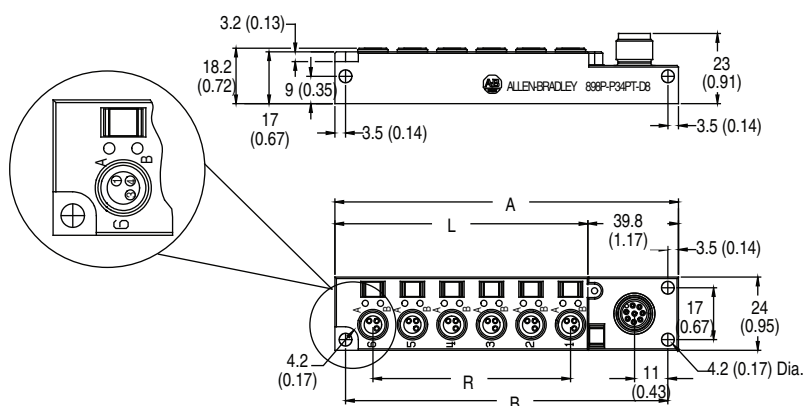
Pico 6-Port Distribution Box

Specifications

Certifications	UL Recognized and CSA Certified
Mechanical	
Material	Grey Pocom
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°)

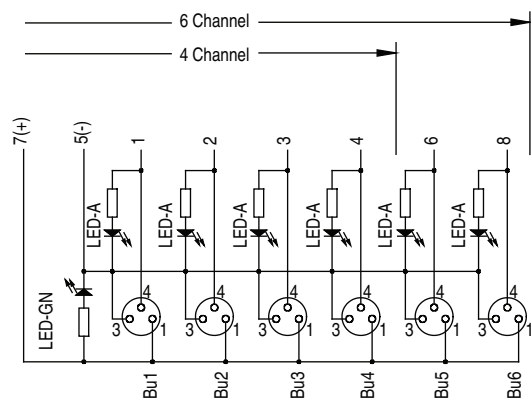
Approximate Dimensions

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

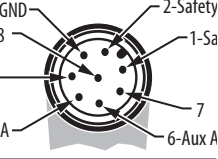
Description	Cat. No.
Device patchcord (3-pin)	889P-F3ABPM-1★
DC Micro Homerun patchcord	889D-R8ABDM-1«
Field Attachable Connectors	871A-TS3-PM
IDC Field Attachable Connectors	889P-M3DC-H
Sealing Caps‡	889A-PMCAP
Labels§	1492-M5X10

★ 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

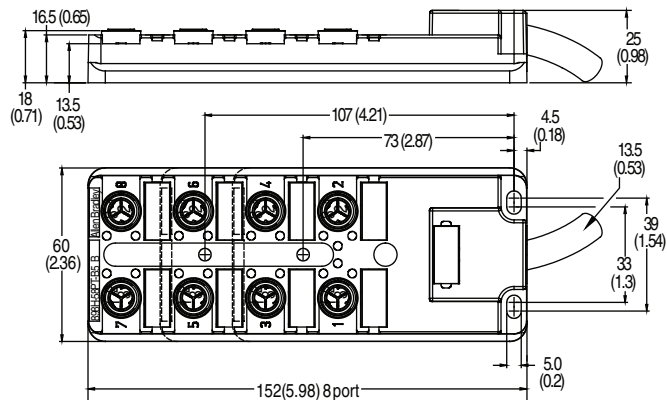


Specifications

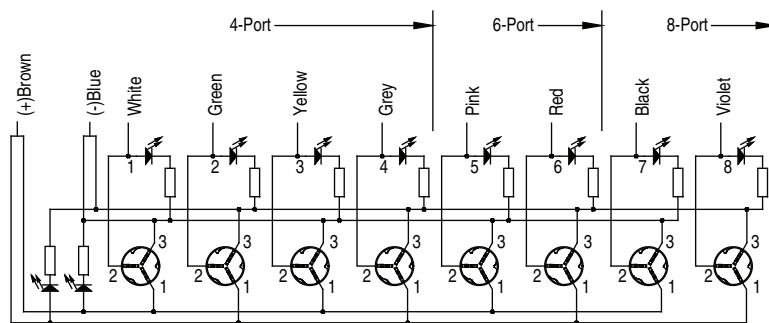
Certifications	UL Recognized and CSA Certified
Mechanical	
Material	Grey POCAN
Connector Insert Material	PBT
Receptacle Shell Material	Nickel-plated brass
Contact Material	Gold-plated palladium/nickel
IDC Installations, max.	10
Cable Type	Oil-resistant black PUR/PVC jacket, (3) 18 AWG stranded copper, (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.

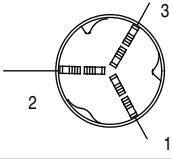
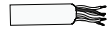
‡ 2 provided with box

§ 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

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