

Instrumentation division



AUGX SERIES

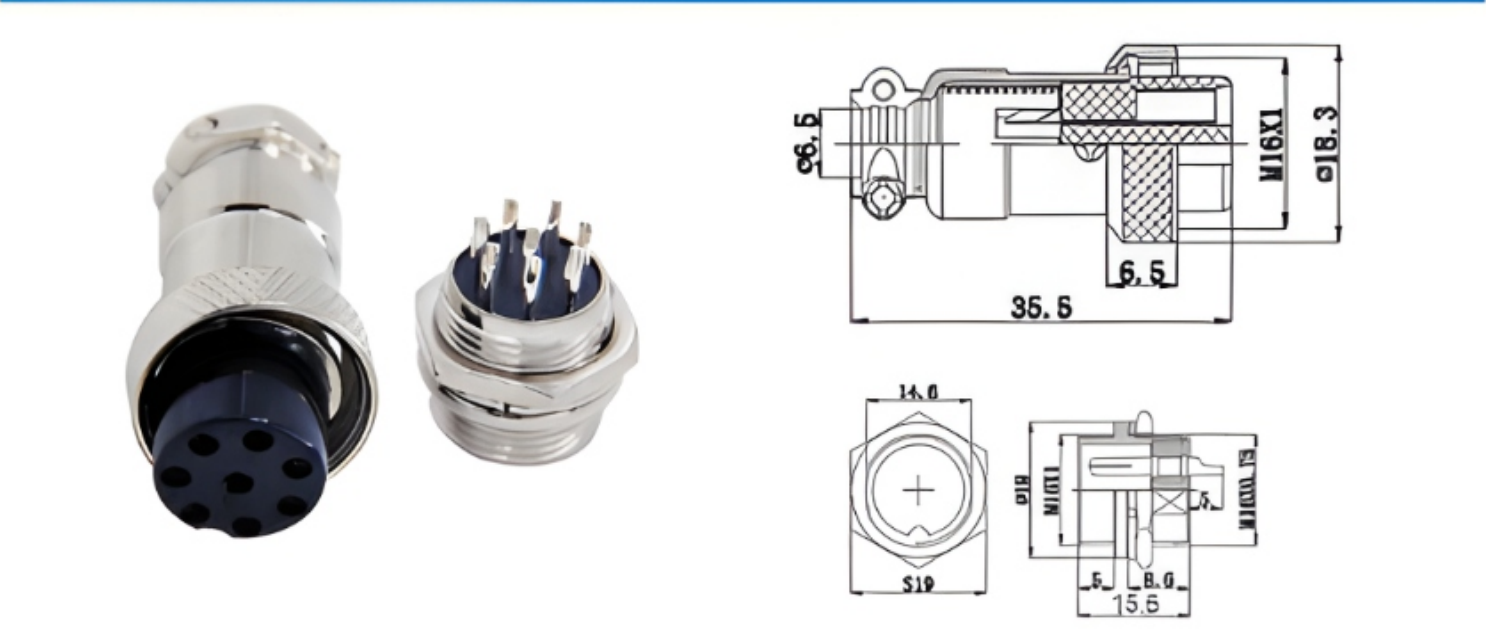
AVIATION CONNECTOR



PRODUCT SPLIT CHART



AUGX16 Connector



Material and Specifications

Coupling	Threaded Coupling		Termination		Solder	
Shell Material	Zinc Alloy with Nickel plated		Mating Cycle		500 Times	
Insert Material	Bakelite		Temperature Range		-20°C ~ +85°C	
Contact Material	Copper (Silver plated/Gold)		Cable Diameter		Φ7.5mm~ ≤ Φ8.5mm	
			Protection Degree		IP55	

Core Number	2 Core	3 Core	4 Core	5 Core	6 Core	7 Core	8 Core
Contact Arrangement							
Contact The Diameter,Number	φ 2.5*2	φ 2.5*3	φ 2.5*4	φ 2.5*5	φ 2.5*6	φ 2.5*7	φ 2.5*8
Rated Current(A)	7	7	5	5	4	4	4
Working Voltage (AC,V,RMS)	250	250	250	250	250	250	250

Order P/N

The diagram illustrates the structure of an order part number (P/N) using a sample number: AUGX16A5P. The components are defined as follows:

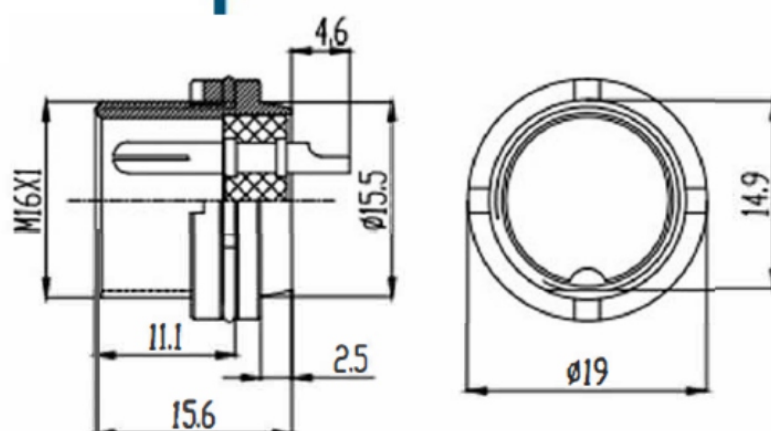
- Series:** AUGX
- Shell Size Diameter:** 16
- Plug Type:** A (Straight Plug)
- Number of Contact:** 5
- Pin/Socket:** P (Pin)

Note:

- A: Straight Plug
- B: Panel Mount Socket
- K: Docking Cable Plug
- D: Angled Plug
- E: 3 Hole Circular Flange
- F: Bulkhead
- H: 4 Hole Square Flange

A: Straight Plug
B: Panel Mount Socket
K: Docking Cable Plug
D: Angled Plug
E: 3 Hole Circular Flange
F: Bulkhead
H: 4 Hole Square Flange

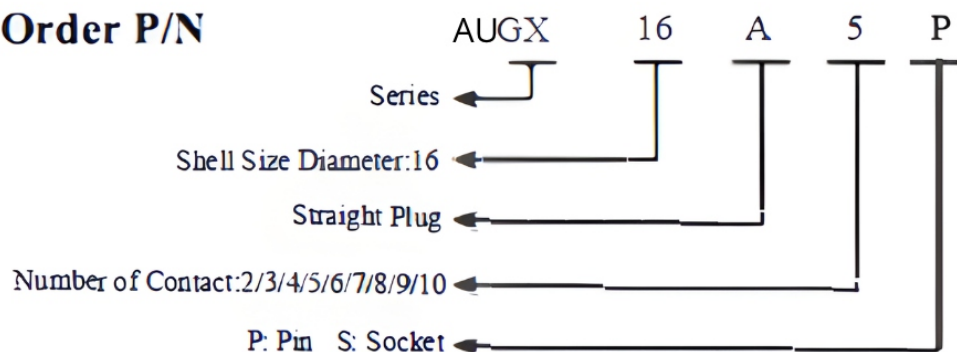
AUGX16 Bulkhead Socket Connector



Material and Specifications

Coupling	Threaded Coupling			Termination	Solder		
Shell Material	Zinc Alloy with Nickel plated			Mating Cycle	500 Times		
Insert Material	Bakelite			Temperature Range	-20°C ~ +85°C		
Contact Material	Copper (Silver plated/Gold)			Cable Diameter	Φ7.5mm- ≤ Φ8.5mm		
				Protection Degree	IP55		
Core Number	2 Core	3 Core	4 Core	5 Core	6 Core	7 Core	8 Core
Contact Arrangement							
Contact The Diameter, Number	φ 2.5*2	φ 2.5*3	φ 2.5*4	φ 2.5*5	φ 2.5*6	φ 2.5*7	φ 2.5*8
Rated Current(A)	7	7	5	5	4	4	4
Working Voltage (AC,V,RMS)	250	250	250	250	250	250	250

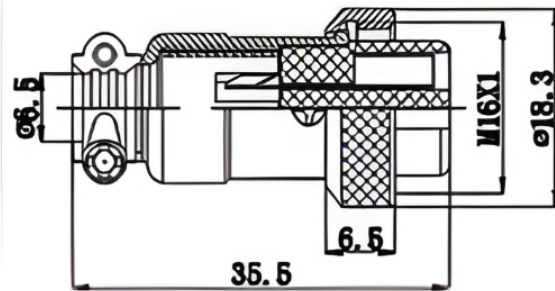
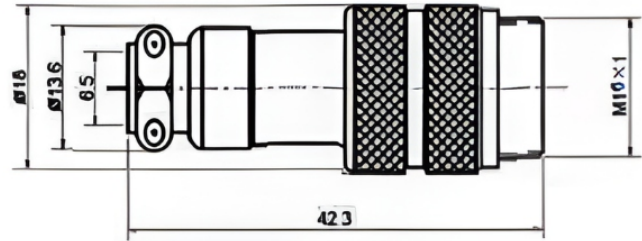
Order P/N



Note:

- A: Straight Plug
- B: Panel Mount Socket
- K: Docking Cable Plug
- D: Angled Plug
- E: 3 Hole Circular Flange
- F: Bulkhead
- H: 4 Hole Square Flange

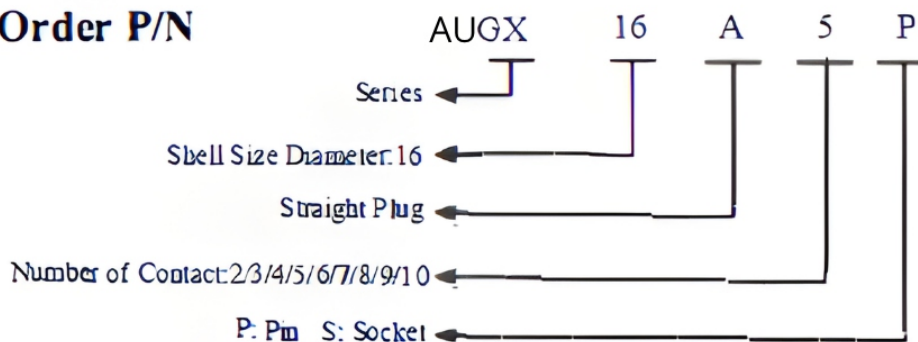
AUGX16 Docking Cable Connector



Material and Specifications

Coupling	Threaded Coupling			Termination	Solder		
Shell Material	Zinc Alloy with Nickel plated			Mating Cycle	500 Times		
Insert Material	Bakelite			Temperature Range	-20°C ~ +85°C		
Contact Material	Copper (Silver plated/Gold)			Cable Diameter	$\Phi 7.5\text{mm} \sim \Phi 8.5\text{mm}$		
				Protection Degree	IP55		
Core Number	2 Core	3 Core	4 Core	5 Core	6 Core	7 Core	8 Core
Contact Arrangement							
Contact The Diameter Number	$\phi 2.5 \times 2$	$\phi 2.5 \times 3$	$\phi 2.5 \times 4$	$\phi 2.5 \times 5$	$\phi 2.5 \times 6$	$\phi 2.5 \times 7$	$\phi 2.5 \times 8$
Rated Current(A)	7	7	5	5	4	4	4
Working Voltage (AC,V,RMS)	250	250	250	250	250	250	250

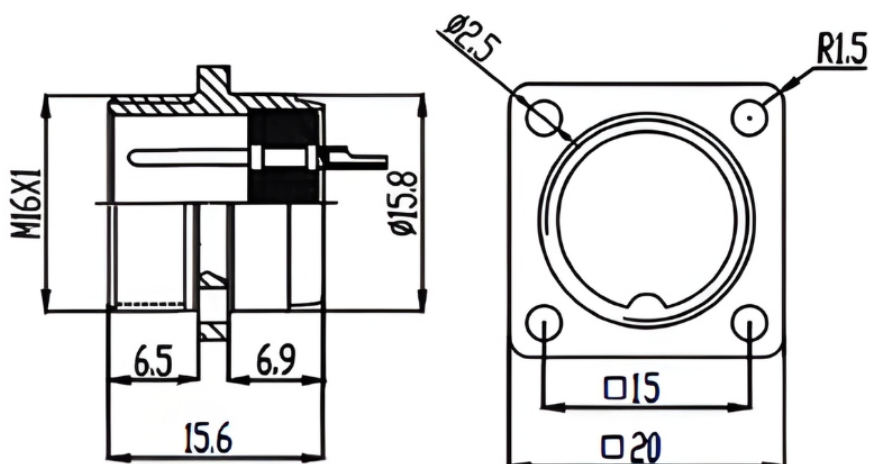
Order P/N



Note:

- A: Straight Plug
- B: Panel Mount Socket
- K: Docking Cable Plug
- D: Angled Plug
- E: 3 Hole Circular Flange
- F: Bulkhead
- H: 4 Hole Square Flange

AUGX16 Square Flange Connector

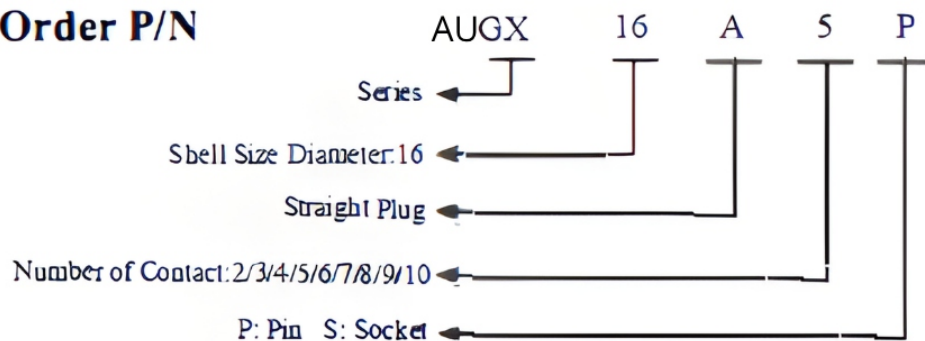


Material and Specifications

Coupling	Threaded Coupling	Termination	Solder
Shell Material	Zinc Alloy with Nickel plated	Mating Cycle	500 Times
Insert Material	Bakelite	Temperature Range	-20°C ~ +85°C
Contact Material	Copper (Silver plated/Gold)	Cable Diameter	Φ7.5mm - ≤ Φ8.5mm
		Protection Degree	IP55

Core Number	2 Core	3 Core	4 Core	5 Core	6 Core	7 Core	8 Core
Contact Arrangement							
Contact The Diameter, Number	Φ 2.5*2	Φ 2.5*3	Φ 2.5*4	Φ 2.5*5	Φ 2.5*6	Φ 2.5*7	Φ 2.5*8
Rated Current(A)	7	7	5	5	4	4	4
Working Voltage (AC, V.RMS)	250	250	250	250	250	250	250

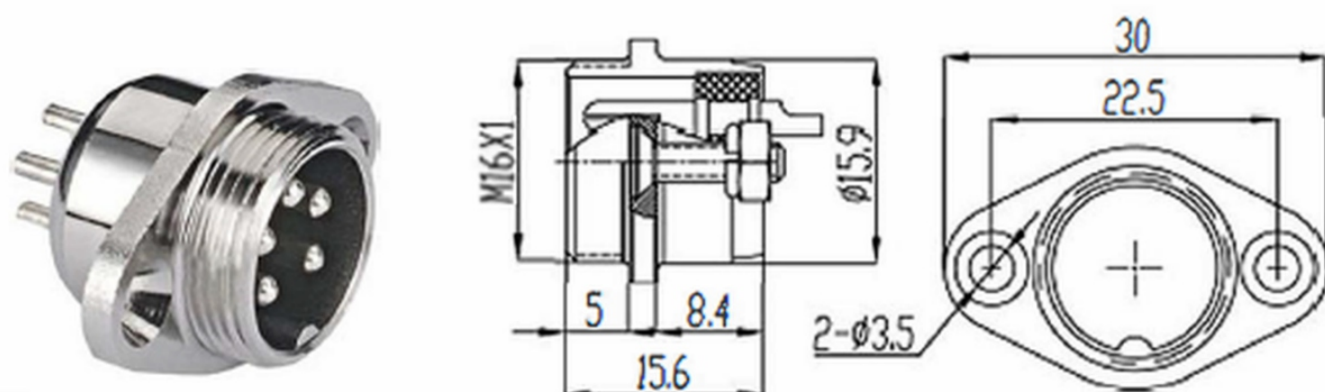
Order P/N



Note:

- A: Straight Plug
- B: Panel Mount Socket
- K: Docking Cable Plug
- D: Angled Plug
- E: 3 Hole Circular Flange
- F: Bulkhead
- H: 4 Hole Square Flange

AUGX16 2 Holes Flanges Connector

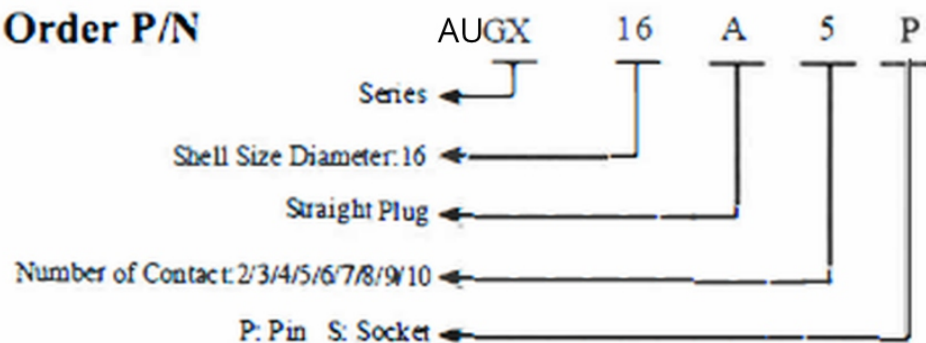


Material and Specifications

Coupling	Threaded Coupling	Termination	Solder
Shell Material	Zinc Alloy with Nickel plated	Mating Cycle	500 Times
Insert Material	Bakelite	Temperature Range	-20°C ~ +85°C
Contact Material	Copper (Silver plated/Gold)	Cable Diameter	Φ7.5mm- ≤Φ8.5mm
		Protection Degree	IP55

Core Number	2 Core	3 Core	4 Core	5 Core	6 Core	7 Core	8 Core
Contact Arrangement							
Contact The Diameter, Number	Φ2.5'2	Φ2.5'3	Φ2.5'4	Φ2.5'5	Φ2.5'6	Φ2.5'7	Φ2.5'8
Rated Current(A)	7	7	5	5	4	4	4
Working Voltage (AC,V,RMS)	250	250	250	250	250	250	250

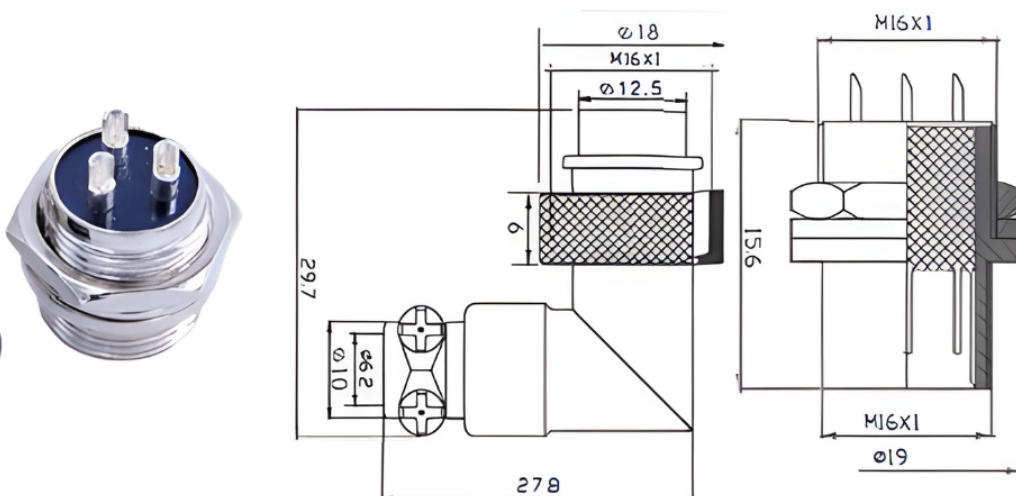
Order P/N



Note:

- A: Straight Plug
- B: Panel Mount Socket
- K: Docking Cable Plug
- D: Angled Plug
- E: 3 Hole Circular Flange
- F: Bulkhead
- H: 4 Hole Square Flange

Angled AUGX16 Connector

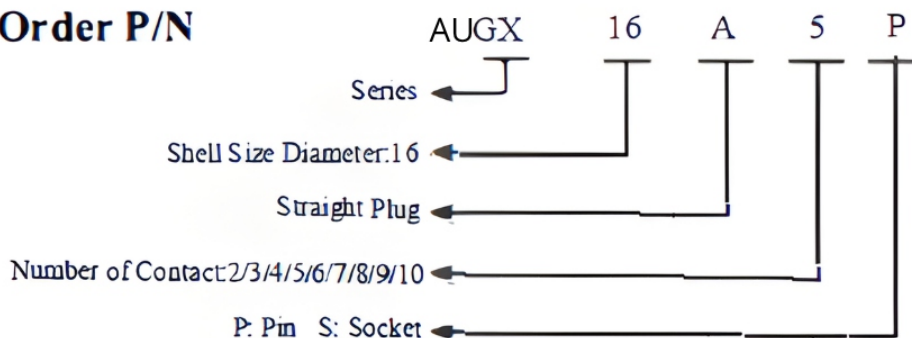


Material and Specifications

Coupling	Threaded Coupling	Termination	Solder
Shell Material	Zinc Alloy with Nickel plated	Mating Cycle	500 Times
Insert Material	Bakelite	Temperature Range	-20°C ~ +85°C
Contact Material	Copper (Silver plated/Gold)	Cable Diameter	$\phi 7.5\text{mm} \sim \phi 8.5\text{mm}$
		Protection Degree	IP55

Core Number	2 Core	3 Core	4 Core	5 Core	6 Core	7 Core	8 Core
Contact Arrangement							
Contact The Diameter, Number	$\phi 2.5 \times 2$	$\phi 2.5 \times 3$	$\phi 2.5 \times 4$	$\phi 2.5 \times 5$	$\phi 2.5 \times 6$	$\phi 2.5 \times 7$	$\phi 2.5 \times 8$
Rated Current(A)	7	7	5	5	4	4	4
Working Voltage (AC,V,RMS)	250	250	250	250	250	250	250

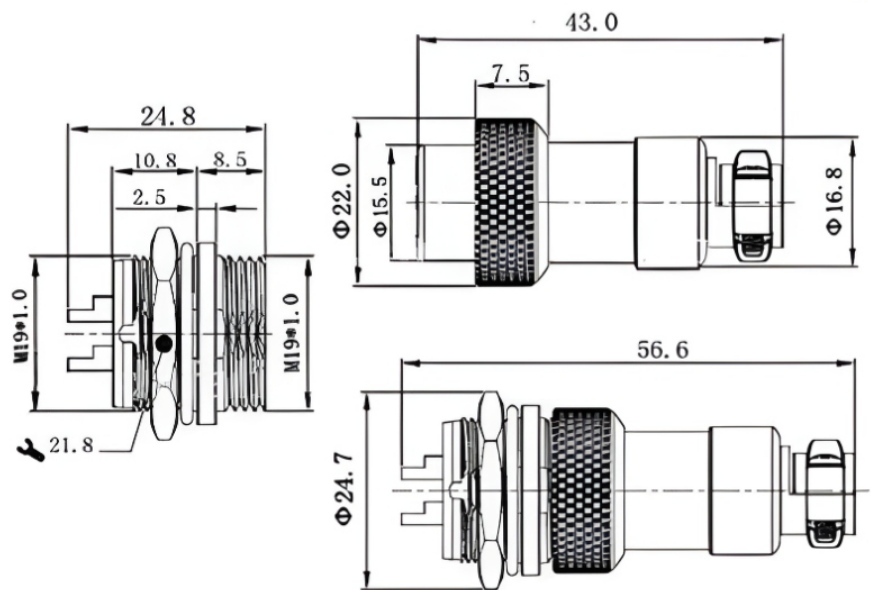
Order P/N



Note:

- A: Straight Plug
- B: Panel Mount Socket
- K: Docking Cable Plug
- D: Angled Plug
- E: 3 Hole Circular Flange
- F: Bulkhead
- H: 4 Hole Square Flange

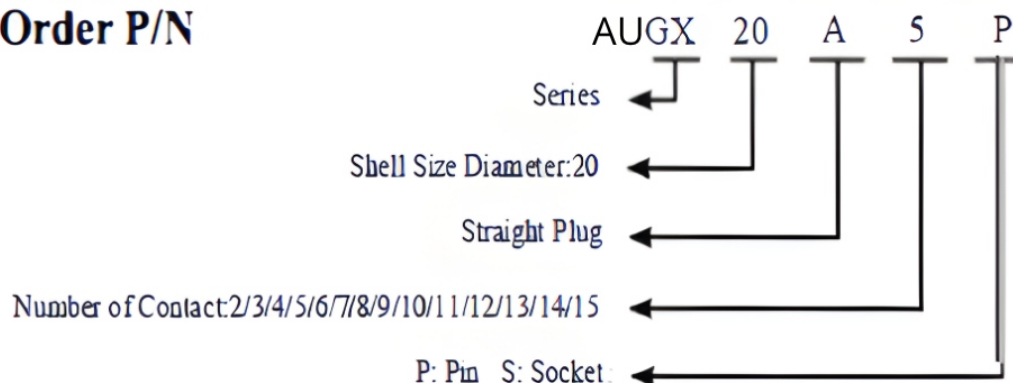
AUGX20 Connector



Material and Specifications

Coupling	Threaded Coupling				Termination				Solder	
Shell Material	Zinc Alloy with Nickel plated				Mating Cycle				500 Times	
Insert Material	Bakelite				Temperature Range				-20°C ~ +85°C	
Contact Material	Copper (Silver plated/Gold)				Cable Diameter				≤ Φ9.5mm	
					Protection Degree				IP55	
Core Number	2 Core	3 Core	4 Core	5 Core	6 Core	7 Core	8 Core	9 Core	10 Core	12 Core
Contact Arrangement										
Contact The Diameter, Number	Φ 2.5'2	Φ 2.5'3	Φ 2.5'4	Φ 2'5	Φ 1.2'6	Φ 1.2'7	Φ 1.2'8	Φ 1.2'9	Φ 1.2'10	Φ 1.2'12
Rated Current(A)	10	10	10	7	5	5	5	5	5	5
Working Voltage (AC,V,RMS)	400	400	400	400	400	400	400	400	400	400

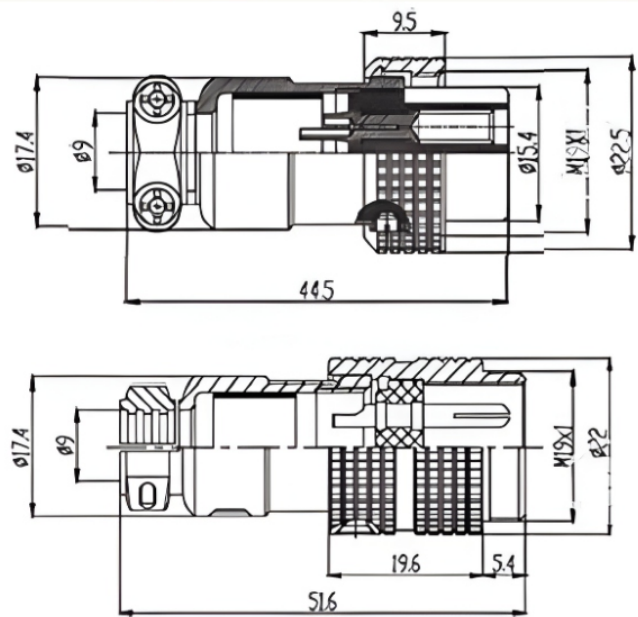
Order P/N



Note:

- A: Straight Plug
- B: Panel Mount Socket
- K: Docking Cable Plug
- D: Angled Plug
- E: 3 Hole Circular Flange
- F: Bulkhead
- H: 4 Hole Square Flange

AUGX20 Docking Cable Connector

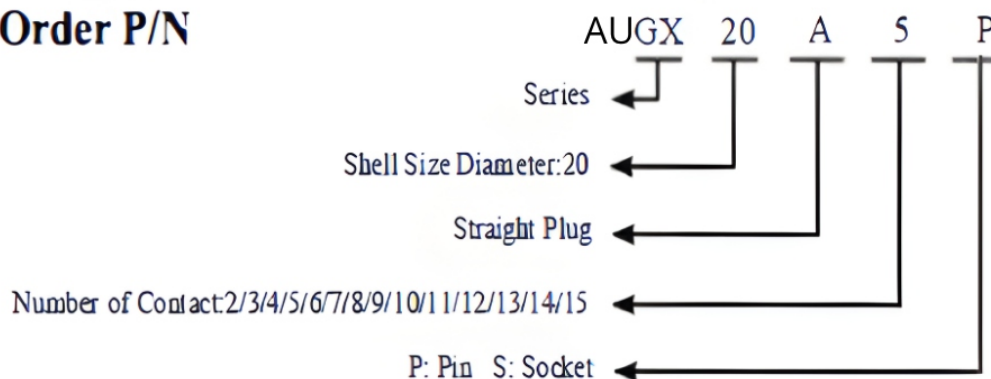


Material and Specifications

Coupling	Threaded Coupling	Termination	Solder
Shell Material	Zinc Alloy with Nickel plated	Mating Cycle	500 Times
Insert Material	Bakelite	Temperature Range	-20°C ~ +85°C
Contact Material	Copper (Silver plated/Gold)	Cable Diameter	≤ Φ9.5mm
		Protection Degree	IP55

Core Number	2 Core	3 Core	4 Core	5 Core	6 Core	7 Core	8 Core	9 Core	10 Core	12 Core
Contact Arrangement										
Contact The Diameter, Number	Φ 2.5*2	Φ 2.5*3	Φ 2.5*4	Φ 2*5	Φ 1.2*6	Φ 1.2*7	Φ 1.2*8	Φ 1.2*9	Φ 1.2*10	Φ 1.2*12
Rated Current(A)	10	10	10	7	5	5	5	5	5	5
Working Voltage (AC, V, RMS)	400	400	400	400	400	400	400	400	400	400

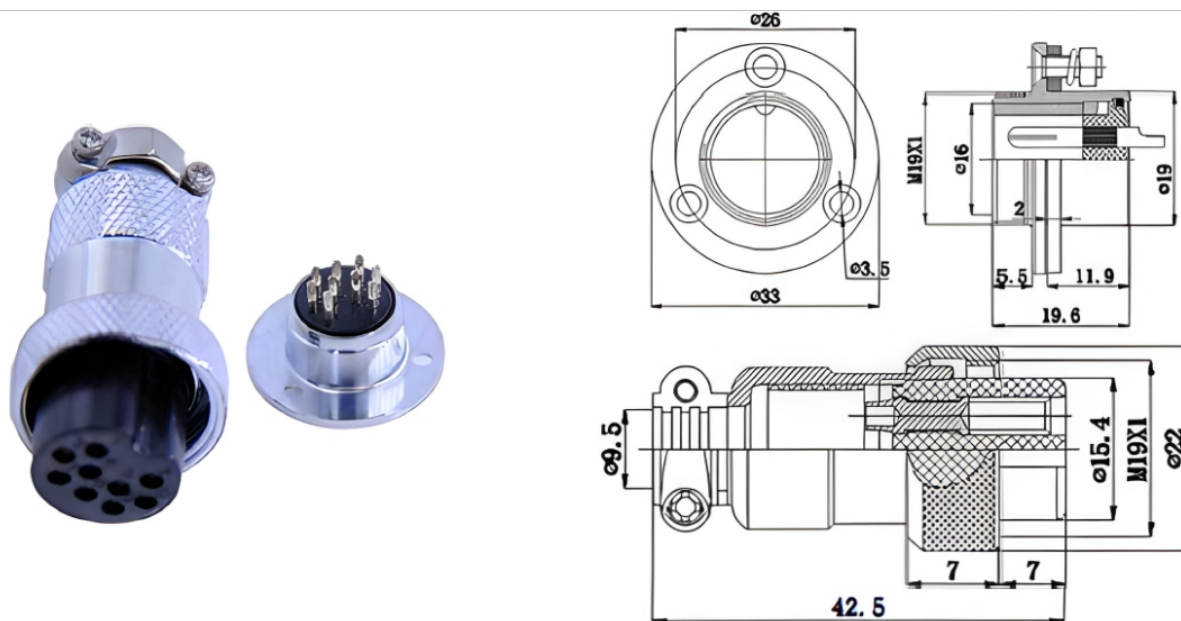
Order P/N



Note:

- A: Straight Plug
- B: Panel Mount Socket
- K: Docking Cable Plug
- D: Angled Plug
- E: 3 Hole Circular Flange
- F: Bulkhead
- H: 4 Hole Square Flange

AUGX20 Circular Flange Connector

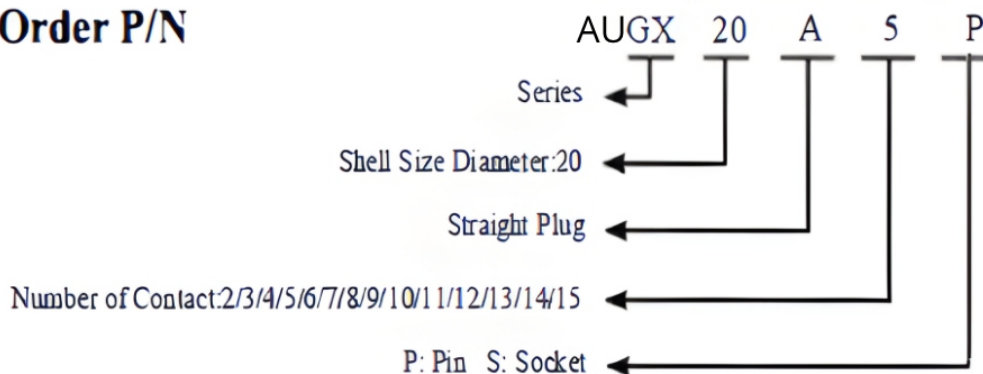


Material and Specifications

Coupling	Threaded Coupling		Termination		Solder	
Shell Material	Zinc Alloy with Nickel plated		Mating Cycle		500 Times	
Insert Material	Bakelite		Temperature Range		-20°C ~ +85°C	
Contact Material	Copper (Silver plated/Gold)		Cable Diameter		≤ Φ9.5mm	
			Protection Degree		IP55	

Core Number	2 Core	3 Core	4 Core	5 Core	6 Core	7 Core	8 Core	9 Core	10 Core	12 Core
Contact Arrangement										
Contact The Diameter, Number	Φ 2.5*2	Φ 2.5*3	Φ 2.5*4	Φ 2*5	Φ 1.2*6	Φ 1.2*7	Φ 1.2*8	Φ 1.2*9	Φ 1.2*10	Φ 1.2*12
Rated Current(A)	10	10	10	7	5	5	5	5	5	5
Working Voltage (AC.V.RMS)	400	400	400	400	400	400	400	400	400	400

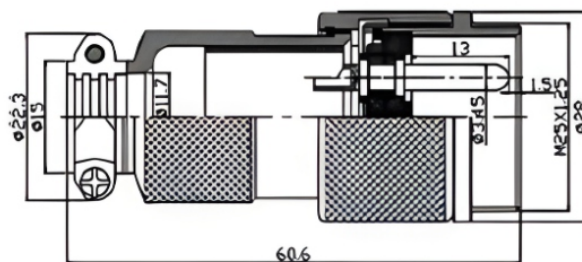
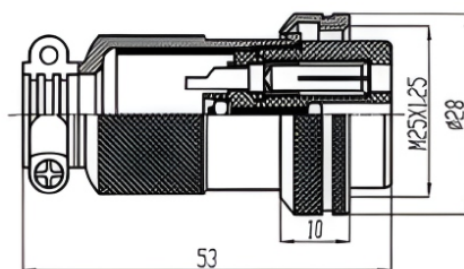
Order P/N



Note:

- A: Straight Plug
- B: Panel Mount Socket
- K: Docking Cable Plug
- D: Angled Plug
- E: 3 Hole Circular Flange
- F: Bulkhead
- H: 4 Hole Square Flange

AUGX25 Docking Cable Connector

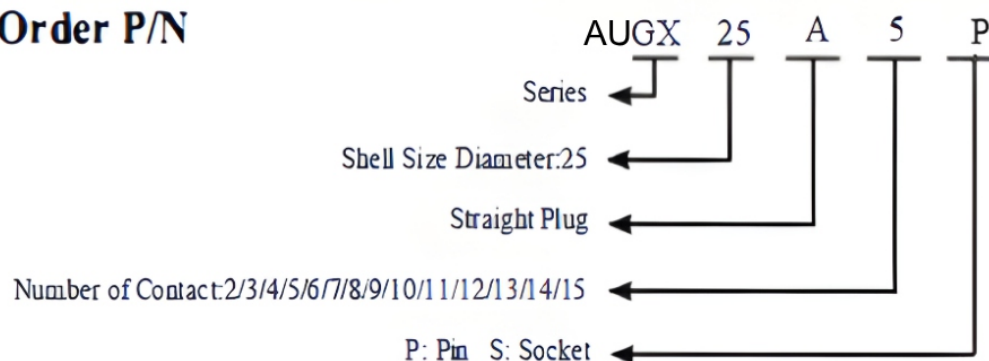


Material and Specifications

Coupling	Threaded Coupling	Termination	Solder
Shell Material	Zinc Alloy with Nickel plated	Mating Cycle	500 Times
Insert Material	Bakelite	Temperature Range	-20°C ~ +85°C
Contact Material	Copper (Silver plated/Gold)	Cable Diameter	≤ Φ1.5mm
		Protection Degree	IP55

Core Number	2 Core	3 Core	4 Core	5 Core	6 Core	7 Core	8 Core	9 Core	10 Core	11 Core	12 Core
Contact Arrangement											
Contact The Diameter, Number	Φ 3.5'2	Φ 3.5'3	Φ 3.5'4	Φ 3'5	Φ 3'6	Φ 3'7	Φ 3'8	Φ 2'9	Φ 2'10	Φ 1.5'11	Φ 1.5'12
Rated Current(A)	25	25	25	15	15	15	10	7	7	5	5
Working Voltage (AC,V,RMS)	400	400	400	400	400	400	400	400	400	400	400

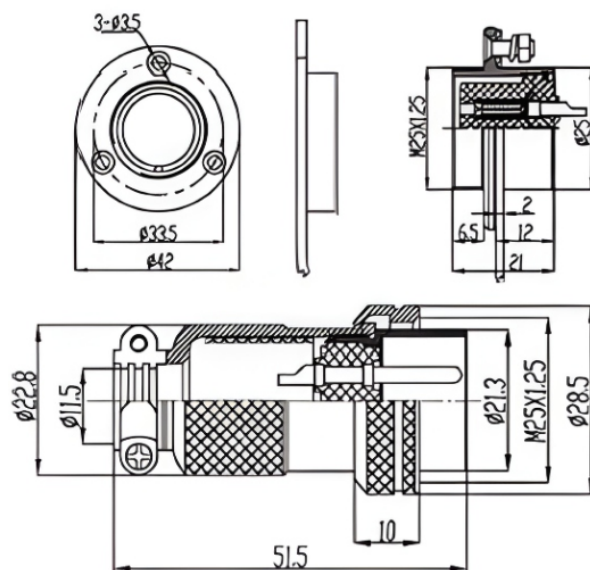
Order P/N



Note:

- A: Straight Plug
- B: Panel Mount Socket
- K: Docking Cable Plug
- D: Angled Plug
- E: 3 Hole Circular Flange
- F: Bulkhead
- H: 4 Hole Square Flange

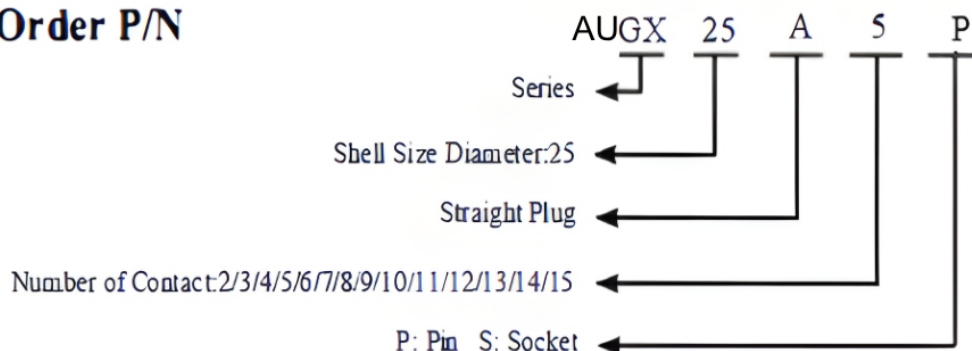
AUGX25 Reverse Connector



Material and Specifications

Coupling	Threaded Coupling				Termination			Solder			
Shell Material	Zinc Alloy with Nickel plated				Mating Cycle			500 Times			
Insert Material	Bakelite				Temperature Range			-20°C ~ +85°C			
Contact Material	Copper (Silver plated/Gold)				Cable Diameter			≤ Φ1.5mm			
					Protection Degree			IP55			
Core Number	2 Core	3 Core	4 Core	5 Core	6 Core	7 Core	8 Core	9 Core	10 Core	11 Core	12 Core
Contact Arrangement											
Contact The Diameter,Number	φ 3.5'2	φ 3.5'3	φ 3.5'4	φ 3'5	φ 3'6	φ 3'7	φ 3'8	φ 2'9	φ 2'10	φ 1.5'11	φ 1.5'12
Rated Current(A)	25	25	25	15	15	15	10	7	7	5	5
Working Voltage (AC,V,RMS)	400	400	400	400	400	400	400	400	400	400	400

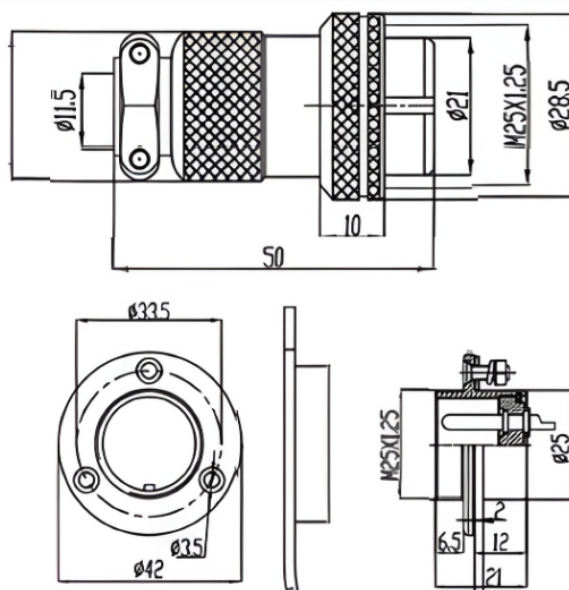
Order P/N



Note:

- A: Straight Plug
- B: Panel Mount Socket
- K: Docking Cable Plug
- D: Angled Plug
- E: 3 Hole Circular Flange
- F: Bulkhead
- H: 4 Hole Square Flange

AUGX25 Circular Flange Connector

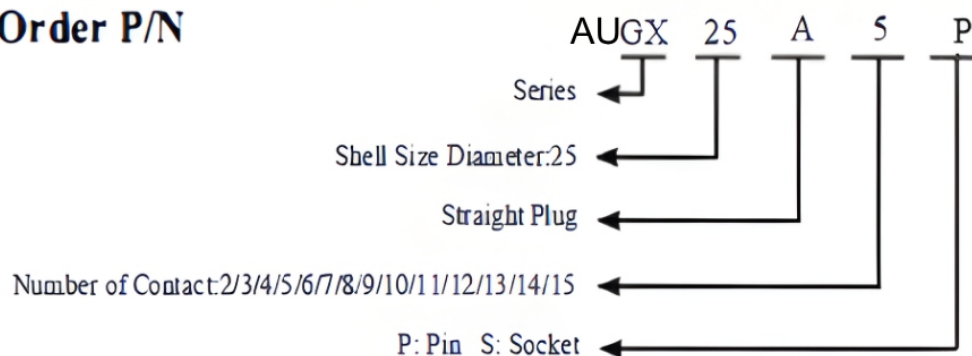


Material and Specifications

Coupling	Threaded Coupling	Termination	Solder
Shell Material	Zinc Alloy with Nickel plated	Mating Cycle	500 Times
Insert Material	Bakelite	Temperature Range	-20°C ~ +85°C
Contact Material	Copper (Silver plated/Gold)	Cable Diameter	≤ Φ1.5mm
		Protection Degree	IP55

Core Number	2 Core	3 Core	4 Core	5 Core	6 Core	7 Core	8 Core	9 Core	10 Core	11 Core	12 Core
Contact Arrangement											
Contact The Diameter, Number	Φ3.5*2	Φ3.5*3	Φ3.5*4	Φ3*5	Φ3*6	Φ3*7	Φ3*8	Φ2*9	Φ2*10	Φ1.5*11	Φ1.5*12
Rated Current(A)	25	25	25	15	15	15	10	7	7	5	5
Working Voltage (AC,V,RMS)	400	400	400	400	400	400	400	400	400	400	400

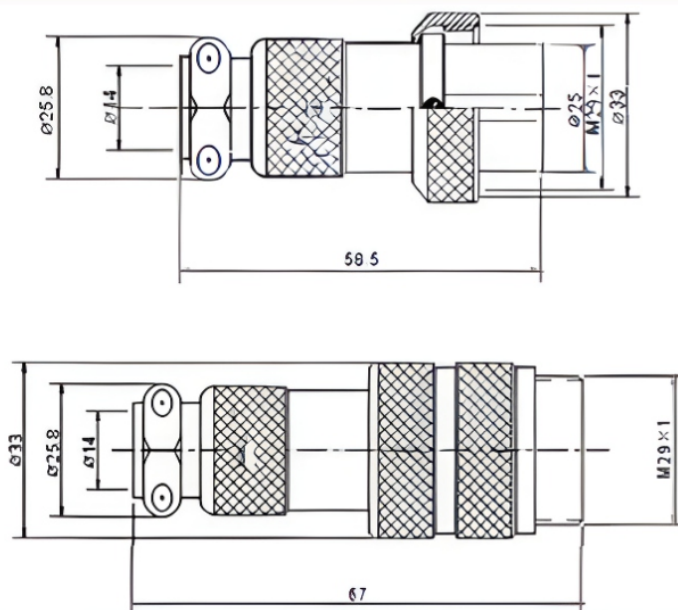
Order P/N



Note:

- A: Straight Plug
- B: Panel Mount Socket
- K: Docking Cable Plug
- D: Angled Plug
- E: 3 Hole Circular Flange
- F: Bulkhead
- H: 4 Hole Square Flange

AUGX30 Docking Cable Connector

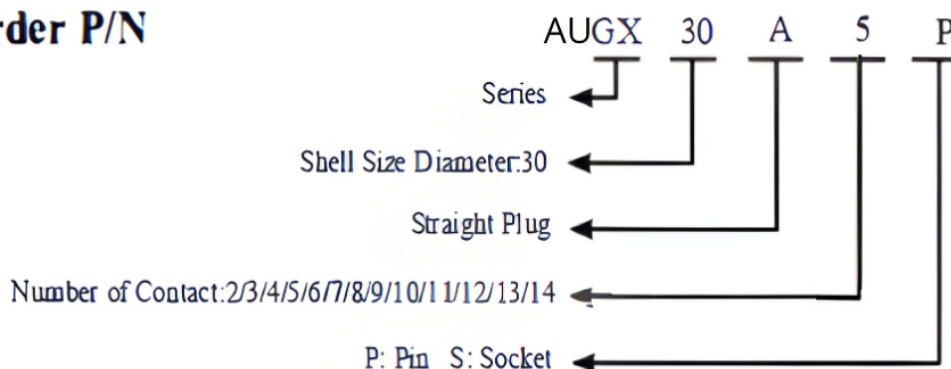


Material and Specifications

Coupling	Threaded Coupling	Termination	Solder
Shell Material	Zinc Alloy with Nickel plated	Mating Cycle	500 Times
Insert Material	Bakelite	Temperature Range	-20°C ~ +85°C
Contact Material	Copper (Silver plated/Gold)	Cable Diameter	≤ Φ13.5mm
		Protection Degree	IP55

Core Number	2 Core	3 Core	4 Core	5 Core	6 Core	7 Core	8 Core	10 Core	12 Core	14 Core
Contact Arrangement										
Contact Tbc Diameter, Number	Φ3.5'2	Φ3.5'3	Φ3.5'4	Φ3.5'5	Φ3'6	Φ3'7	Φ3'8	Φ2.5'10	Φ2.5'12	Φ2.5'14
Rated Current(A)	25	25	25	25	20	20	20	15	15	15
Working Voltage (AC,V,RMS)	500	500	500	500	500	400	400	400	400	400

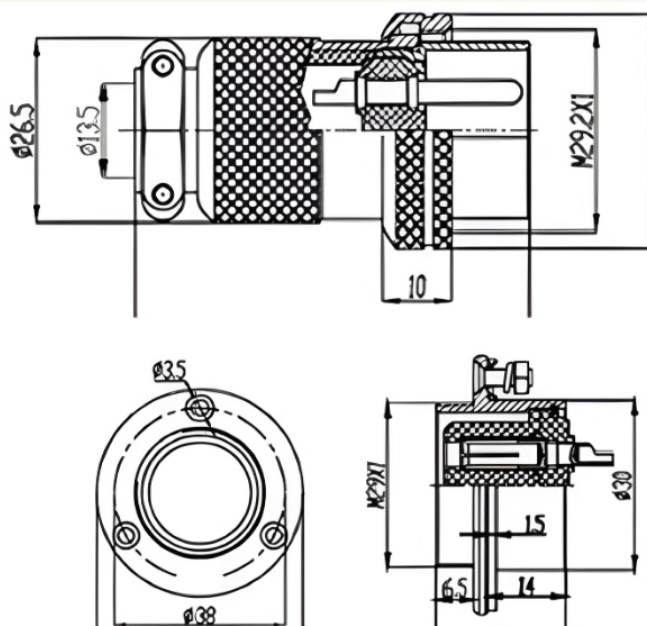
Order P/N



Note:

- A: Straight Plug
- B: Panel Mount Socket
- K: Docking Cable Plug
- D: Angled Plug
- E: 3 Hole Circular Flange
- F: Bulkhead
- H: 4 Hole Square Flange

AUGX30 Reverse Connector

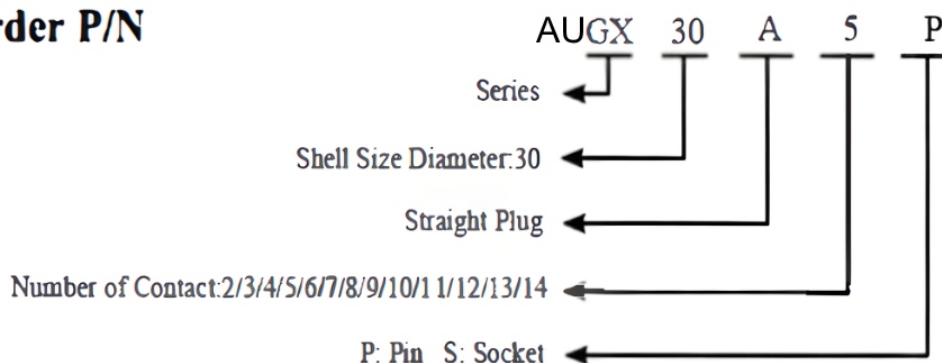


Material and Specifications

Coupling	Threaded Coupling	Termination	Solder
Shell Material	Zinc Alloy with Nickel plated	Mating Cycle	500 Times
Insert Material	Bakelite	Temperature Range	-20°C ~ +85°C
Contact Material	Copper (Silver plated/Gold)	Cable Diameter	≤ Φ13.5mm
		Protection Degree	IP55

Core Number	2 Core	3 Core	4 Core	5 Core	6 Core	7 Core	8 Core	10 Core	12 Core	14 Core
Contact Arrangement										
Contact The Diameter, Number	Φ 3.5'2	Φ 3.5'3	Φ 3.5'4	Φ 3.5'5	Φ 3'6	Φ 3'7	Φ 3'8	Φ 2.5'10	Φ 2.5'12	Φ 2.5'14
Rated Current(A)	25	25	25	25	20	20	20	15	15	15
Working Voltage (AC,V,RMS)	500	500	500	500	500	400	400	400	400	400

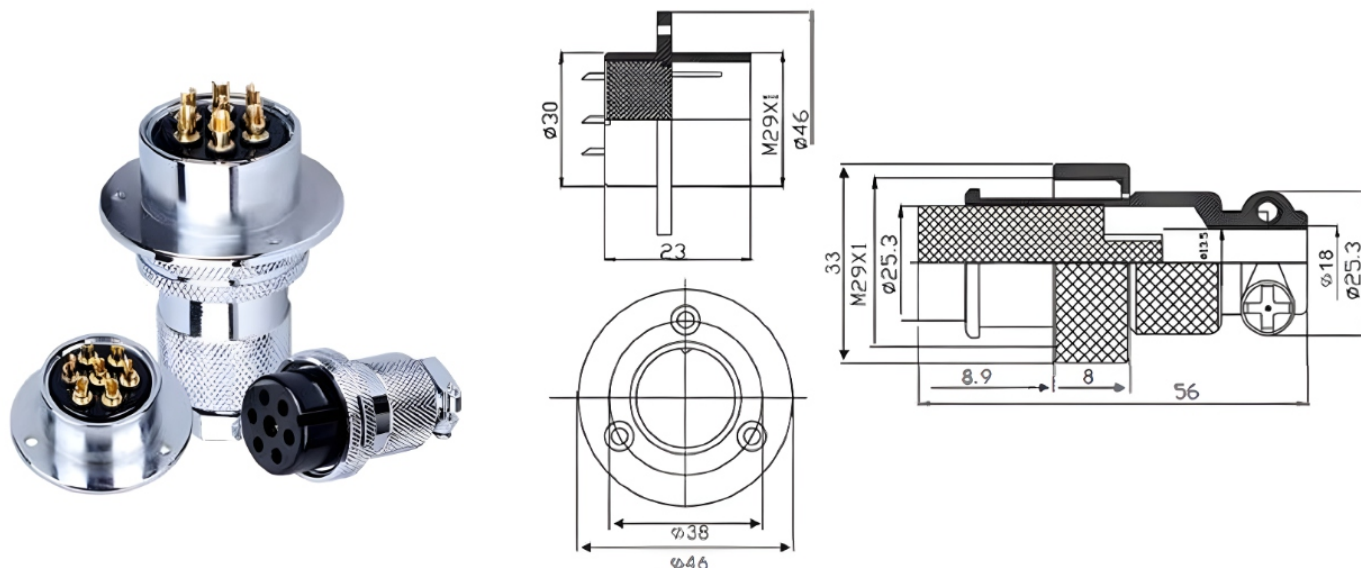
Order P/N



Note:

A: Straight Plug
 B: Panel Mount Socket
 K: Docking Cable Plug
 D: Angled Plug
 E: 3 Hole Circular Flange
 F: Bulkhead
 H: 4 Hole Square Flange

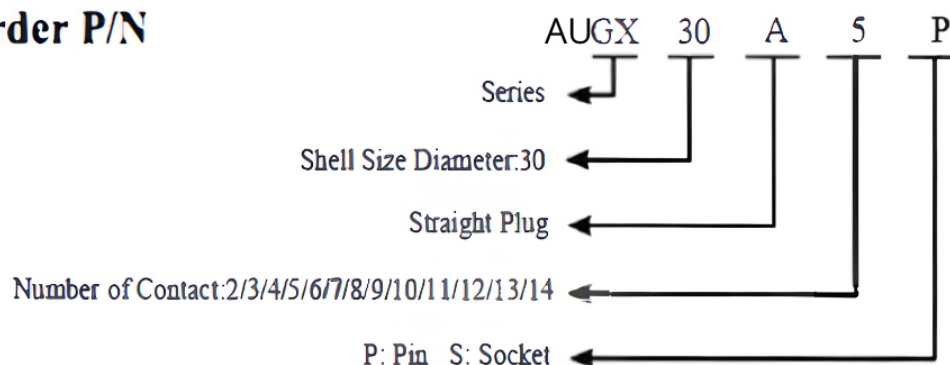
AUGX30 Circular Flange Connector



Material and Specifications

Coupling	Threaded Coupling				Termination			Solder		
Shell Material	Zinc Alloy with Nickel plated				Mating Cycle			500 Times		
Insert Material	Bakelite				Temperature Range			-20°C ~ +85°C		
Contact Material	Copper (Silver plated/Gold)				Cable Diameter			≤ Φ13.5mm		
					Protection Degree			IP55		
Core Number	2 Core	3 Core	4 Core	5 Core	6 Core	7 Core	8 Core	10 Core	12 Core	14 Core
Contact Arrangement										
Contact Tbc Diameter,Number	Φ3.5*2	Φ3.5*3	Φ3.5*4	Φ3.5*5	Φ3*6	Φ3*7	Φ3*8	Φ2.5*10	Φ2.5*12	Φ2.5*14
Rated Current(A)	25	25	25	25	20	20	20	15	15	15
Working Voltage (AC,V,RMS)	500	500	500	500	500	400	400	400	400	400

Order P/N



Note:

- A: Straight Plug
- B: Panel Mount Socket
- K: Docking Cable Plug
- D: Angled Plug
- E: 3 Hole Circular Flange
- F: Bulkhead
- H: 4 Hole Square Flange