

# Amphenol®



## Amphe-PPM Quick Disconnect Connectors

The Amphe-PPM is a rapid mate, push/pull connector which provides positive mating in limited space and ease of use. The design features of the Amphe-PPM allow consumers to save cost in space savings and in installation.

Amphe-PPM, the high performance signal and power interconnection solution, is ideally suited to many commercial and industrial applications including, but not limited to:

- Medical Equipment
- Instrumentation/Test & Measurement
- Communication Equipment

The Amphe-PPM continues Amphenol's commitment of providing new products to meet customer and market demands for new emerging technologies and advancing applications.

### Features:

- Push/pull rapid mate connector system - high performance of 500 + mating cycles
- Sealed or non-sealed connector versions -  
NON-SEALED VERSION:
  - Available in 12mm and 16mm shell sizes
  - From 2 up to 12 contacts of 1.0mm to 2.5mm diameter (see back side for insert arrangement charts)
  - Jam nut receptacle and straight plug are available with a rubber boot or standard cable clamp rear accessory
  - Non-reflective nickel or black epoxy finish
  - IP55 rated
- SEALED VERSION:
  - Available in 10mm, 12mm, 16mm and 18mm shell sizes
  - From 2 up to 14 contacts of 0.8mm to 2.5mm diameter (see back side for insert arrangement charts)
  - Jam nut receptacle and straight plug come with jacketed cable PG sealing gland
  - Non-reflective nickel finish only
  - IP67 rated
- Three shell styles available: box mount and jam nut receptacles and a straight plug
- Designed to IEC 61984
- Inserts have a UL94V-0 flammability rating
- Operating temperature: -40° to 100°C
- Solder contacts standard, crimp by special request
- Non-magnetic product standard

## How to Order

### Amphe-PPM Sealed Connectors

**APS D S A 6 E1**

APS \_\_\_\_\_  
designates Amphe-PPM  
Sealed Series Connectors

Shell Size: \_\_\_\_\_  
C.....designates 10mm shell size  
D.....designates 12mm shell size  
E.....designates 16mm shell size  
F.....designates 18mm shell size

Contact Type: \_\_\_\_\_  
P.....designates pin contacts  
S.....designates socket contacts

Insert Arrangement Designator \_\_\_\_\_  
See Insert Arrangement Tables 1, 2, 3, 4

Sealing Range:

Diameters in mm

Series	E1		E2	
C	N/A	N/A	3 - 6.5	PG7
D	3 - 6.5	PG7	4 - 8	PG9
E	4 - 8	PG9	7 - 12	PG13.5
F	7 - 12	PG13.5	10 - 14	PG16

Shell Style:

2.....designates square flange receptacle  
6.....designates straight plug  
7.....designates jam nut receptacle

Table 1  
Shell Size "C" 10mm

Insert Arrangement	Contact Diameter (mm)	No. of Contacts
A	1	2
B	1	3
C	0.8	4
D	0.8	5

Table 2  
Shell Size "D" 12mm

Insert Arrangement	Contact Diameter (mm)	No. of Contacts
A	1.6	2
B	1	3
C	1	4
D	1	5
E	1	6
F	1	7

Table 3  
Shell Size "E" 16mm

Insert Arrangement	Contact Diameter (mm)	No. of Contacts
A	1.5	2
B	2.5	2
C	1	3
D	1.5	3
E	1	4
F	1.5	4
G	1	5
H	1	7
I	1	9
J	1	12

Table 4  
Shell Size "F" 18mm

Insert Arrangement	Contact Diameter (mm)	No. of Contacts
A	2.5	3
B	1.5	5
C	1.5 (3 contacts), 1 (5 contacts)	8
D	1	5

## HOW TO ORDER

### Amphe-PPM Non-Sealed Connectors

**APN A S A 6 N R**

APN \_\_\_\_\_  
designates Amphe-PPM  
Non-Sealed Series Connectors

Shell Size: \_\_\_\_\_  
A.....designates 12mm shell size  
B.....designates 16mm shell size

Contact Type: \_\_\_\_\_  
P.....designates pin contacts  
S.....designates socket contacts

Insert Arrangement Designator \_\_\_\_\_  
See Insert Arrangement Tables 5 & 6

Rear Accessory:

R.....designates with rubber boot  
C.....designates with cable clamp

Shell Finish:

N.....designate non-reflective nickel finish  
B.....designates black epoxy finish

Shell Style:

2.....designates square flange receptacle  
6.....designates straight plug  
7.....designates jam nut receptacle

Table 5  
Shell Size "A" 12mm

Insert Arrangement	Contact Diameter (mm)	No. of Contacts
A	1.6	2
B	1	3
C	1	4
D	1	5
E	1	6
F	1	7

Table 6  
Shell Size "B" 16mm

Insert Arrangement	Contact Diameter (mm)	No. of Contacts
A	1.5	2
B	2.5	2
C	1	3
D	1.5	3
E	1	4
F	1.5	4
G	1	5
H	1	7
I	1	9
J	1	12

For additional information on the Amphe-PPM connectors consult Amphenol Industrial Operations.

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For further information on your individual application requirements, contact: Amphenol Corporation

North America:  
Amphenol Industrial Operations  
180 N. Freeport Drive, Plant 4  
Nogales, AZ 85621  
Tel: (520) 285-5130  
Fax: (520) 285-5134

Email: [rpedrazzini@amphenol-aio.com](mailto:rpedrazzini@amphenol-aio.com)

Europe:  
Amphenol Industrial Operations Europe  
Via Barbaiana 5  
1-20020 Lainate (MI) Italy  
Tel: +39 02 93254.204  
Fax: +39 02 93254.444

Email: [info@amphenol-aio.com](mailto:info@amphenol-aio.com)

Middle East:  
Amphenol Middle East Enterprises FZE  
Office C-37 PO Box 21107  
Ajman Free Zone, UAE  
Tel: +9716-7422494  
Fax: +9716-7422941

Email: [ameefze@eim.ae](mailto:ameefze@eim.ae)

Asia:  
Amphenol Technology Shenzhen Ltd  
Block 5 Fuan 2nd Industrial Park  
Dayang Rd, Fuyong Baoan  
Baoan, Shenzhen, China 518103  
Tel: +86 755 2881 8389  
Fax: +86 755 2991 8310  
Email: [enquiry@amphenol-aio.com](mailto:enquiry@amphenol-aio.com)