

Amphenol®



Photo: Coupling nut shown removed from plug. Connector can be ordered with or without coupling nut.

Amphenol® RPT Rugged Miniature Cylindrical Connectors

Amphenol® RPT Ruggedized Miniature Connectors

Designed with a stronger shell and reinforced keyway to perform in the harsh environments of the Geophysical Market.

- Machined shells for increased strength; 3 point bayonet coupling
- IP67 rated
- Anodized (nonconductive) shells for greater salt, corrosion and abrasion resistance
- Coupling nuts with or without round detent holes
- Solder contacts
- Available currently in shell sizes 16 & 20

RPT Connector Performance

Temperature rating: -55°C min., 125°C max.

Salt spray: 48 hr. unmated

Meets environmental requirements of MIL-C-26482G

Not intermateable with MIL-C-26482, Series 1

RPT Connector How to Order

Ordering procedure is illustrated by coded part number RPT05E16-8S(005) as shown below:

RPT	05	E	16-8	S	(005)
1	2	3	4	5	6

1. Connector Type

RPT designates Amphenol Rugged Miniature Cylindrical Connectors with bayonet coupling

2. Shell Style

04 designates in-line receptacle

05 designates cable plug with coupling nut, less hardware

45 designates cable plug without coupling nut, less hardware

(consult Amphenol Industrial for availability of other shell styles)

3. Service Class

"E" designates environmental resisting connector

4. Shell Size and Insert Arrangement

16-8 (Shell size 16 with 8 size. 16 contacts)

20-16 (Shell size 20 with 16 size. 16 contacts)

(consult Amphenol Industrial for availability of other insert arrangements)

5. Contact Type

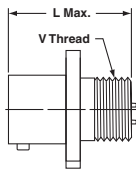
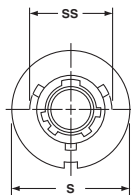
P designates pin, S designates socket

6. Plating Suffix

(Anodized)

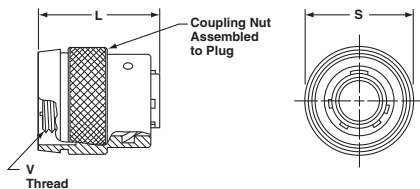
RPT Connector Shell Styles

In-Line Receptacle.....RPT04*



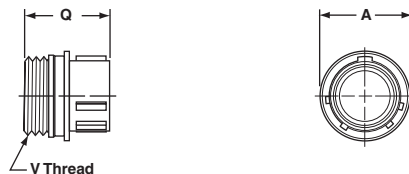
Shell Size	L Max.	V Thread Plated Class 2A	S ±.016	SS Dia. +.000 - .016
16	1.031	1.000-20 UNEF	1.410	1.297
20	1.188	1.250-18 UNEF	1.630	1.510

Cable Plug with Coupling Nut.....RPT05*



Shell Size	A +.000 - .005	L Ref.	Q Ref.	V Thread Plated Class 2A	S Dia. Max.
16	1.174	.916	.947	1.000-20 UNEF	1.500
20	1.390	1.069	1.099	1.250-18 UNEF	1.700

Cable Plug without Coupling Nut... RPT45*



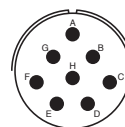
Coupling Nut Part Number Purchased Separately		
Shell Size	Without Detent Holes	With Detent Holes
16	RPTCN-165	RPTCN-H165
20	RPTCN-205	RPTCN-H205

*To complete order number see how to order on front.

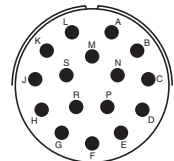
All dimensions for reference only.

For availability of wall mount receptacle style or jam nut receptacle style connectors, and additional insert arrangements, consult Amphenol Industrial.

Insert Availability



Insert Arrangement	16-8
Service Rating	11
Number of Contacts	8
Contact Size	16



Insert Arrangement	20-16
Service Rating	11
Number of Contacts	16
Contact Size	16

Also see Amphenol Miniature Cylindrical Connectors, MIL-C-26482, Series 1 (catalog 12-070-15).

Also see Amphenol Aerospace and Industrial Product Overview catalog SL-100.

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