Amphenol

www.amphenol.co.uk

Barracuda

Barracuda
Environmental
IP68 Sealed
Connectors

ROHS
Compliant

Barracuda

Environmental **IP68** Sealed Connectors

The Barracuda range of environmental IP68 sealed connectors is specifically designed for harsh applications where water, dust, oil or spray is present. These moulded connectors are interchangeable with the equivalent Bulgin standard Buccaneer range of connectors, with feature enhanced ergonomics and ruggedised mouldings.

The Barracuda bodies are moulded from glass filled nylon and are all the same outside diameter of 38mm at the largest point. The styles are In-Line free style Plug, In-Line free style Receptacle and Fixed jam nut Receptacle, all with dust caps to suit all. Amphenol has various screw termination contact solutions from 3 way with leading earth contacts for the socket version, 4 way, 6 way and 7 ways. All the inserts are interchangeable between plug and socket.

All materials are UL approved.

SPECIFICATION
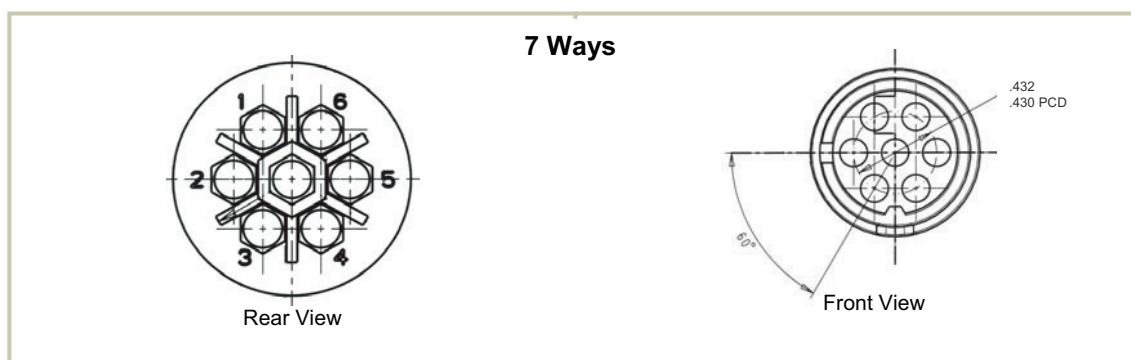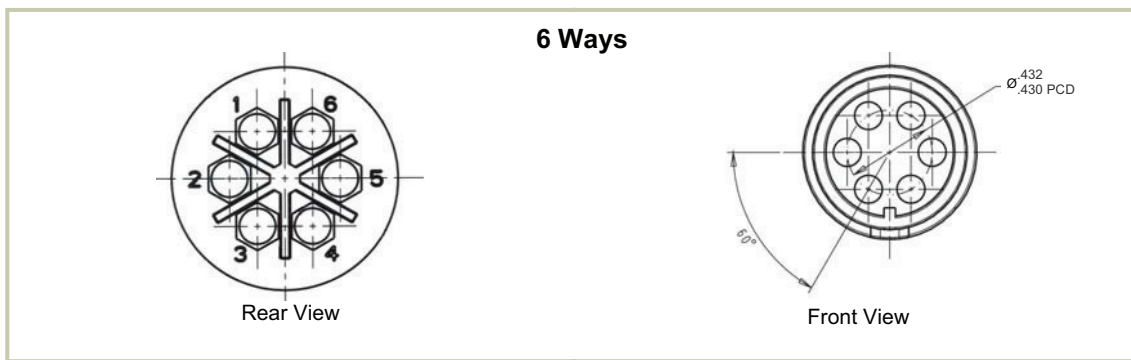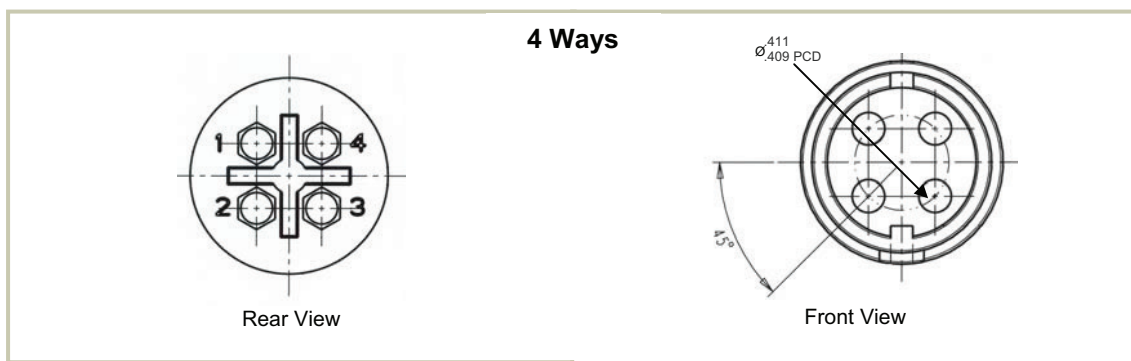
Electrical
- Ratings: 3 Way   10A 50V ac/dc
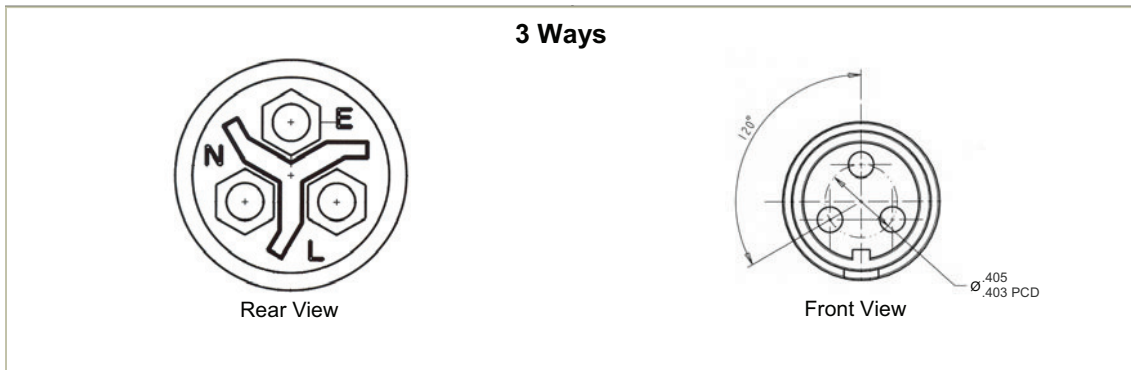   4 Way   6A 250V ac/dc
              6,7 Way   3A 250V ac/dc
- Contact Resistance: $<5m\ \Omega$ (2-9 way)
- Insulation Resistance: $>10^4$M (@500v ac)
- Operating Temp Range: -40°C to 110°C

Material
- Body Mouldings: Glass filled Nylon
- Flammability Ratings: UL94HB Body Mouldings
              UL94V-0 Inserts
- Contacts: Screw Terminal, brass
              Nickel plated
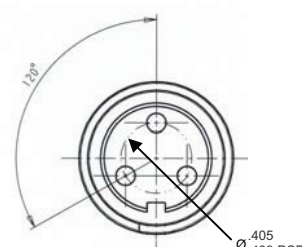- Cable Acceptance: 6-8mm O/D

Amphenol Barracuda

Barracuda
Available Pin Inserts

3 Ways

Rear View

Front View

$\varnothing^{.405}_{.403}$ PCD

120°

4 Ways

$\varnothing^{.411}_{.409}$ PCD

Rear View

Front View

45°

6 Ways

$\varnothing^{.432}_{.430}$ PCD

Rear View

Front View

60°

7 Ways

.432
.430 PCD

Rear View

Front View

60°

Amphenol Barracuda

Barracuda
Available Socket Inserts

3 Ways

Rear View

120°

Ø .405
.403 PCD

Front View

4 Ways

Rear View

Ø .411
.409 PCD

45°
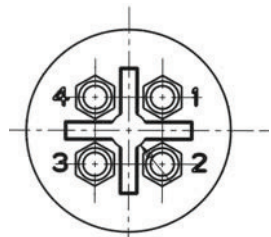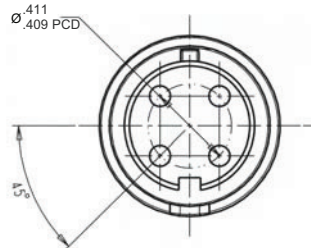
Front View

6 Ways

Rear View

Ø .432
.430 PCD

60°
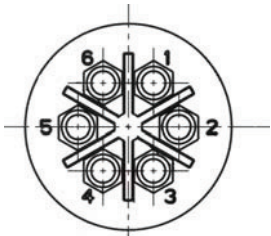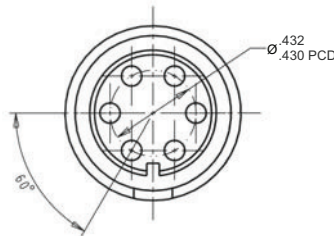
Front View

7 Ways

Rear View

Ø .432
.430 PCD

60°

Front View

Amphenol Barracuda
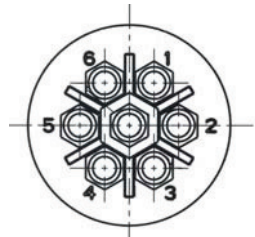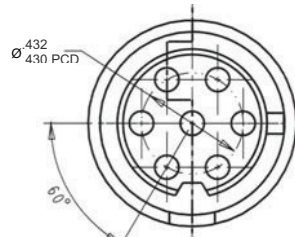
Barracuda
Styles

Flex Cable Plug Connector

Complete with Backshell

70.0
DEPENDING ON CABLE DIA

Ø 38.1
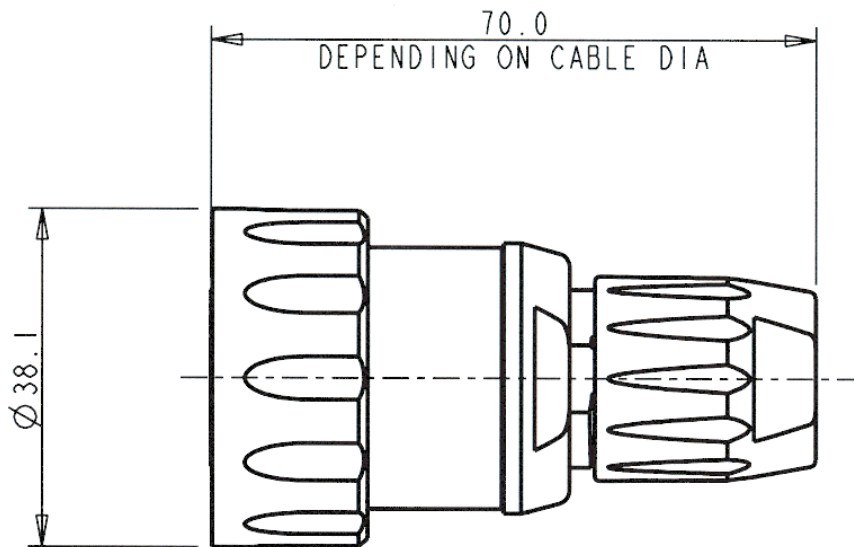
Flex Cable Plug Connector

Part Number	Pole	Contact Style
BAR0731P-IP68	3	Pin
BAR0731S-IP68	3	Socket
BAR0748P-IP68	4	Pin
BAR0748S-IP68	4	Socket
BAR0739P-IP68	6	Pin
BAR0739S-IP68	6	Socket
BAR0745P-IP68	7	Pin
BAR0745S-IP68	7	Socket

Amphenol Barracuda

Barracuda
Styles

In-Line Flex Cable Receptacle Connector

Complete with Backshell
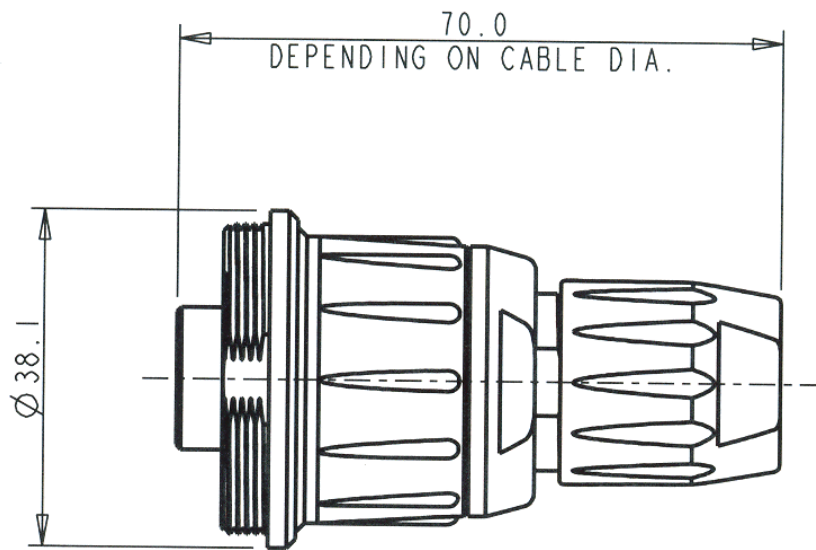
In-Line Flex Cable Receptacle Connector

Part Number	Pole	Contact Style
BAR0732P-IP68	3	Pin
BAR0732S-IP68	3	Socket
BAR0749P-IP68	4	Pin
BAR0749S-IP68	4	Socket
BAR0740P-IP68	6	Pin
BAR0740S-IP68	6	Socket
BAR0746P-IP68	7	Pin
BAR0746S-IP68	7	Socket

Amphenol Barracuda

Barracuda
Styles

Front Panel Mounting Receptacle Connector

3,18
3,05

28,83
28,70

27,70
Ø 27,18

FIXING DETAILS

5.2 MAX PANEL
0.8 MIN PANEL

Ø 38,1

13,6   22,9

26,57
7 POLE ONLY
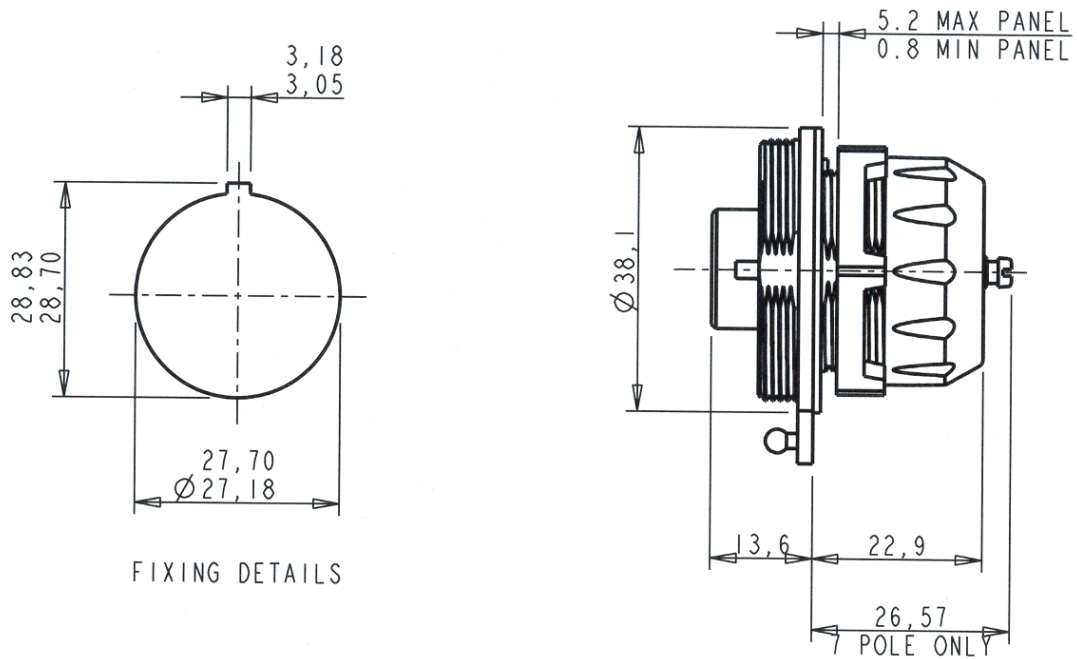
Front Panel Mounting Receptacle Connector

Part Number	Pole	Contact Style
BAR0730P-IP68	3	Pin
BAR0730S-IP68	3	Socket
BAR0747P-IP68	4	Pin
BAR0747S-IP68	4	Socket
BAR0738P-IP68	6	Pin
BAR0738S-IP68	6	Socket
BAR0744P-IP68	7	Pin
BAR0744S-IP68	7	Socket

Amphenol Barracuda

Barracuda
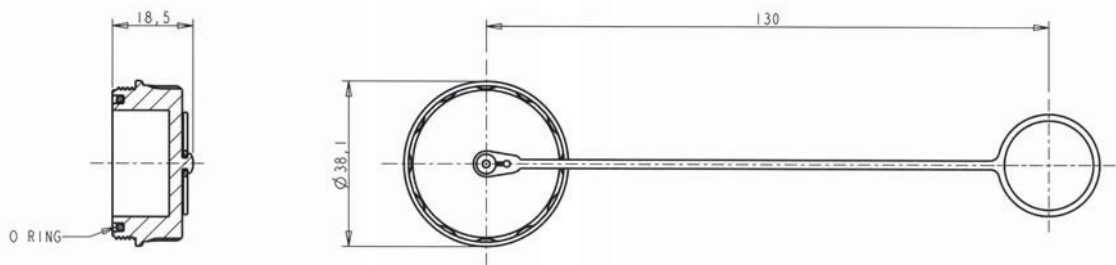## Styles

Sealing Cap
To suit In-Line Flex Receptacle and Front Panel Mounting Receptacle Connectors
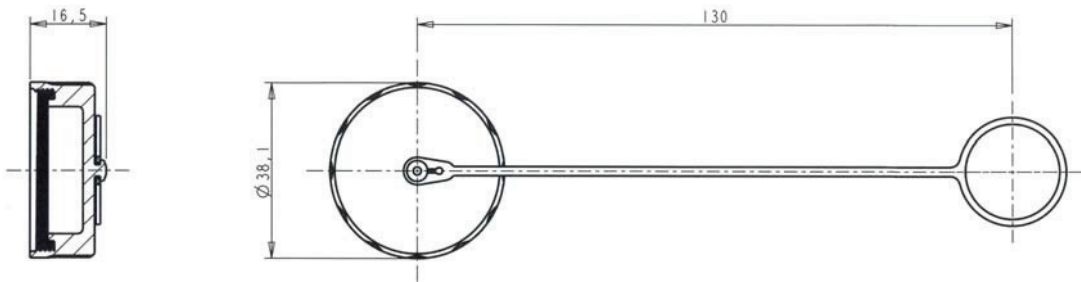
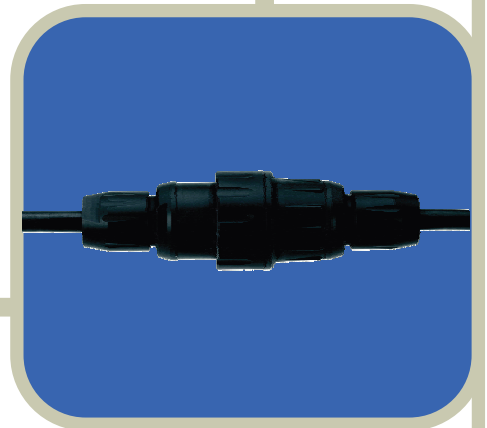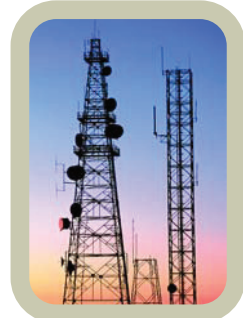| Part Number	Used On
BAR0733-IP68	In Line and Panel Connectors

Sealing Cap

To suit Flex Cable Plug Connector

Part Number	Used On
BAR0734-IP68	Flex Cable Connector

Amphenol Barracuda

Amphenol

www.amphenol.co.uk

Barracuda

**ROHS
Compliant**

For more information call 01227 773200
Amphenol Ltd, Thanet Way, Whitstable, Kent, CT5 3JF, England