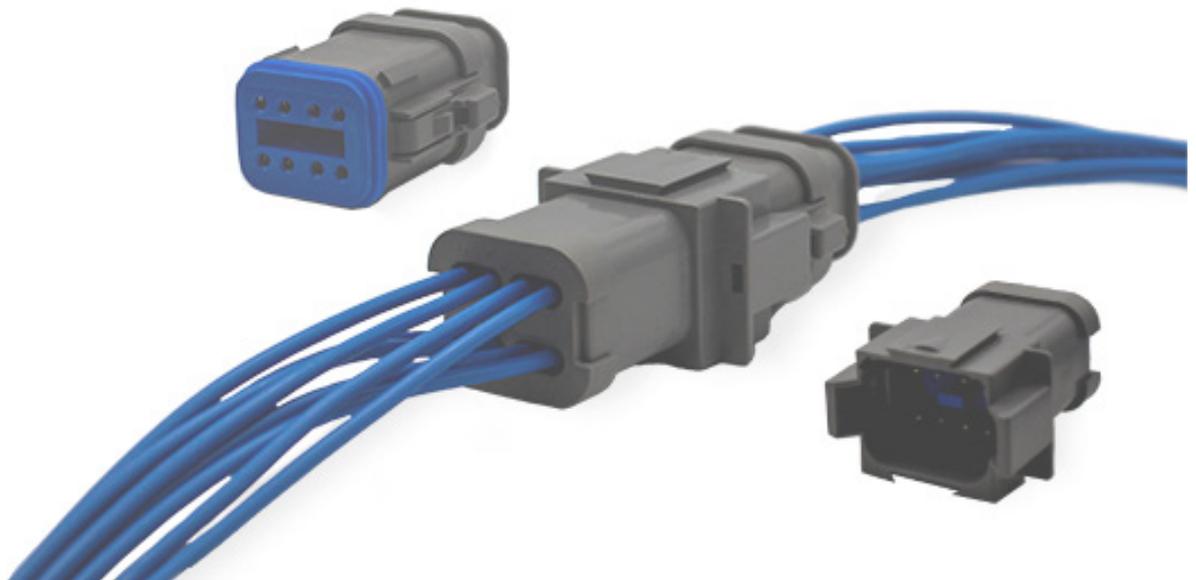


The Bulgin **Power Rectangular** Connector series is **environmentally sealed** and designed for cable-to-board and cable-to-cable applications. These connectors are used in **harsh environment applications** where even a small degradation may be critical.

Power Rectangular Connector series offers the designer the ability to use multiple sizes of 12 contacts, each with 25 amp continuous capacity, within a single shell. These connectors are used in Agriculture, Construction, Emergency Vehicles, Forestry, Recreational, Marine, Mining and Automotive Industry.

Key Features:

- ⬡ Insulation Resistance: 1000 megohms minimum at 25°C
- ⬡ Operating temperatures -55°C to +125°C
- ⬡ IP68 rating
- ⬡ Male and Female options
- ⬡ Integrated latch for mating
- ⬡ Available in Protective End Caps (PEC)
- ⬡ Wedgelocks confirm contact alignment and retention
- ⬡ Accepts 10 - 14 AWG



RECTANGULAR
Power Rectangular Connectors

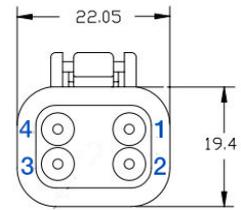


Power Rectangular Connectors
Male



PX1000

- 2 & 4 Contacts
- Male housing
- Socket contacts
- Available in grey



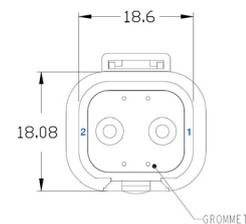
Part Number	Contacts	Key	Termination	Colour	Additional
PX1000S02GY	2	-	Crimp	Grey	-
PX1000S04GY	4	-	Crimp	Grey	-

Power Rectangular Connectors
Female



PX1001

- 2 & 4 Contacts
- Female housing
- Plug contacts
- Available in grey



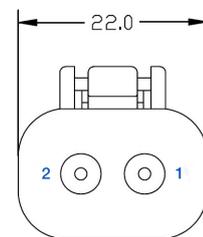
Part Number	Contacts	Key	Termination	Colour	Additional
PX1001P02GY	2	-	Crimp	Grey	
PX1001P04GY	4	-	Crimp	Grey	

Power Rectangular Connectors
Male - PEC



PX1002

- 2 & 4 Contacts
- Male housing
- Socket contacts
- Available in grey
- Protective end cap



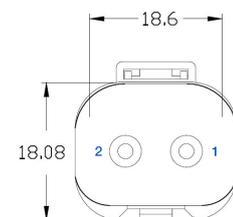
Part Number	Contacts	Key	Termination	Colour	Additional
PX1002S02GY	2	-	Crimp	Grey	PEC
PX1002S04GY	4	-	Crimp	Grey	PEC

Power Rectangular Connectors
Female - PEC



PX1003

- 2 & 4 Contacts
- Female housing
- Plug contacts
- Available in grey
- Protective end cap



Part Number	Contacts	Key	Termination	Colour	Additional
PX1003P02GY	2	-	Crimp	Grey	PEC
PX1003P04GY	4	-	Crimp	Grey	PEC

Contacts

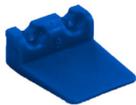


SA1000

- Crimp plug & sockets
- Choice of gold and nickel plated

Part Number	Plating	AWG	Type	Plug / Socket
SA1018	Nickel	12 - 14	Stamped	Plug
SA1019	Nickel	12 - 14	Stamped	Socket
SA1020	Gold	12 - 14	Stamped	Plug
SA1021	Gold	12 - 14	Stamped	Socket

Wedgelocks



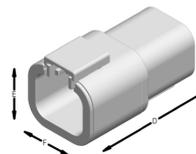
WLP12

- Plug & sockets available
- 2 & 4 Contact

* Wedgelocks are sold separately and are required for confirmation of alignment of contact. Please refer to the chart above to determine part required.

Part Number	Contacts	Plug / Socket
WLPP02	02	Plug
WLPS02	02	Socket
WLPP04	04	Plug
WLPS04	04	Socket

POWER SERIES DIMENSIONS



Cavity	Male			Female		
	Overall Length A	Overall Height B	Overall Width C	Overall Length D	Overall Height E	Overall Width F
2	1.364 (34.65)	.711 (18.06)	.732(18.59)	1.861 (47.27)	.869 (22.07)	.872 (22.15)
4	1.364 (34.65)	.960 (24.38)	.868 (22.05)	1.861 (47.27)	1.048 (26.62)	1.060 (26.92)

* Dimensions are for reference only.

Electrical:

No Contacts:	2 & 4
Insulation Resistance:	>1000MΩ
Fluid Resistance:	No damage when exposed
Dielectric Withstanding Voltage:	1500 VAC
Operating Temperature Range:	-55°C to +125°C

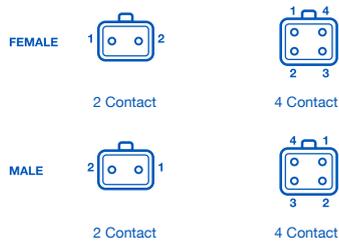
Material

Grommet:	Silicone rubber
Insert Retainer:	Thermoplastic
Receptacle Interfacial Seal:	Silicone rubber
Shell:	Thermoplastic
Wedgelocks:	Thermoplastic
RoHS:	Compliant

Mechanical:

Sealing:	IP68
Contact Accommodation:	10 - 14 AWG (6.00-2.00 mm ²)
Termination:	Crimp terminals
Cycles:	>100

Contact Layout (Rear View)



Contact Insertion Instructions

Step One:



Use a previously crimped contact and wire and hold just behind the contact barrel.

Step Two:



Line the contact up with the grommet.

Step Three:



Push the contact until a click is felt. Check the contact is in place by gently tugging and confirming alignment. Repeat for number of contacts desired

Step Four:



When contacts are in place, insert the appropriate wedgelock until a click is heard. Once male and female housings are prepared the parts can be mated

PX10	XX	X	XX	X	XX
Range	Body Type	Contact Type	Contacts	Key	Colour
PX10	00 = Male 01 = Female 02 = Male Protective End Cap 03 = Female Protective End Cap	S = Socket P = Plug	02 04	A = A Key	GY = Grey BK = Black