


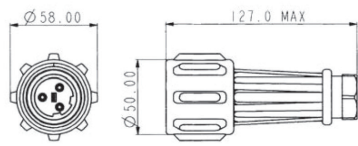

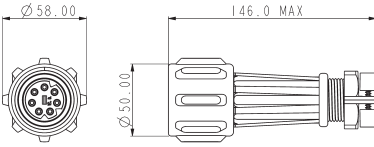
EXPlora Series Buccaneer

The EXPlora range is an explosion proof variation of the 900 Series suitable for ATEX Zone 2 (Gas) and 22 (Dust) applications. This makes it ideal for manufacturers of ancillary electrical equipment such as motors, pumps, lighting equipment, process and control gear for use in factories and plants where hazardous or explosive atmospheres can be caused by flammable gases, mists or vapours or combustible dusts.




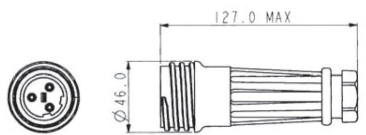

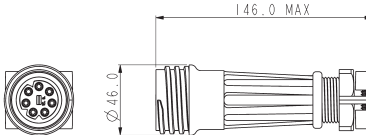
- Flex Cable Connectors for Hazardous Areas
- Water and Dustproof to IP68 when mated with Compatible Connector
- Positive Fast-Acting Locking Ring - can be Turned with a Gloved Hand
- 2, 3, 4, 5, 7, 10 Pole with Leading Earth on 3, 4, 5, 7 Pole versions, Trailing Neutral on 5 Pole Version
- Screw Terminals
- Packs of Cable Glands for differing Cable Diameters available separately (EXP-0980, EXP-A980)
- Plug or Socket
- Choice of Cable Acceptance 7mm-22mm Diameter Depending on Part Code (see Data for Details):
 - EXP-09 Part Codes 7mm-15mm Diameter
 - EXP-A9 Part Codes (Large Cable Version with Strain Relief Clamp) 14mm-22mm Diameter
- EXP-0990 heavy duty Sealing Cap available separately to maintain IP Rating of Unmated Connectors
- Mate with EXP-09 or EXP-A9 Series Flex and Panel Mounting Connectors

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<p>Flex Cable Connector</p>  <p>EXP-0911</p>	<ul style="list-style-type: none"> ⊕ Mates with In-Line Flex or Panel Mounting Versions ⊕ Positive, Fast Acting Locking Ring - Can be Turned with Gloved Hand ⊕ Plug or Socket Versions ⊕ EXP-0 Series 13-15mm Cable Dia. Acceptance as Standard 7-13mm with Additional Gland Pack 	
<p>Flex Cable Connector</p>  <p>EXP-A911</p>	<ul style="list-style-type: none"> ⊕ EXP-A Series 20-22mm cable dia. Acceptance as Standard 14-20mm with Additional Gland Pack ⊕ Strain Relief Clamp 	


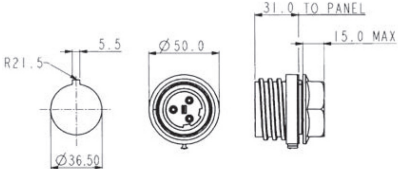
Part No.	Poles	Cable Size	Part No.	Poles	Cable Size
EXP-0911/02/P	02 (Plug)	Standard	EXP-0911/02/S	02 (Socket)	Standard
EXP-0911/03/P	03 (Plug)	Standard	EXP-0911/03/S	03 (Socket)	Standard
EXP-0911/04/P	04 (Plug)	Standard	EXP-0911/04/S	04 (Socket)	Standard
EXP-0911/05/P	05 (Plug)	Standard	EXP-0911/05/S	05 (Socket)	Standard
EXP-0911/07/P	07 (Plug)	Standard	EXP-0911/07/S	07 (Socket)	Standard
EXP-0911/10/P	10 (Plug)	Standard	EXP-0911/10/S	10 (Socket)	Standard
EXP-A911/02/P	02 (Plug)	Large	EXP-A911/02/S	02 (Socket)	Large
EXP-A911/03/P	03 (Plug)	Large	EXP-A911/03/S	03 (Socket)	Large
EXP-A911/04/P	04 (Plug)	Large	EXP-A911/04/S	04 (Socket)	Large
EXP-A911/05/P	05 (Plug)	Large	EXP-A911/05/S	05 (Socket)	Large
EXP-A911/07/P	07 (Plug)	Large	EXP-A911/07/S	07 (Socket)	Large
EXP-A911/10/P	10 (Plug)	Large	EXP-A911/10/S	10 (Socket)	Large

EXPlora Series Buccaneer


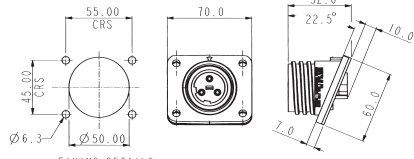
<p>In-Line Flex Cable Connector</p>  <p>EXP-0921</p>	<ul style="list-style-type: none"> ⬡ Mates With Either EXP-0911 or EXP-A911 Connectors ⬡ Plug or Socket Versions ⬡ EXP-0 Series 13-15mm Cable Dia. Acceptance as Standard 7-13mm with Additional Gland Pack ⬡ EXP-A Series 20-22mm Cable Dia. Acceptance as Standard 14-20mm with Additional Gland Pack 	
<p>In-Line Flex Cable Connector</p>  <p>EXP-A921</p>	<ul style="list-style-type: none"> ⬡ Strain Relief Clamp 	

Part No.	Poles	Cable Size	Part No.	Poles	Cable Size
EXP-0921/02/P	02 (Plug)	Standard	EXP-0921/02/S	02 (Socket)	Standard
EXP-0921/03/P	03 (Plug)	Standard	EXP-0921/03/S	03 (Socket)	Standard
EXP-0921/04/P	04 (Plug)	Standard	EXP-0921/04/S	04 (Socket)	Standard
EXP-0921/05/P	05 (Plug)	Standard	EXP-0921/05/S	05 (Socket)	Standard
EXP-0921/07/P	07 (Plug)	Standard	EXP-0921/07/S	07 (Socket)	Standard
EXP-0921/10/P	10 (Plug)	Standard	EXP-0921/10/S	10 (Socket)	Standard
EXP-A921/02/P	02 (Plug)	Large	EXP-A921/02/S	02 (Socket)	Large
EXP-A921/03/P	03 (Plug)	Large	EXP-A921/03/S	03 (Socket)	Large
EXP-A921/04/P	04 (Plug)	Large	EXP-A921/04/S	04 (Socket)	Large
EXP-A921/05/P	05 (Plug)	Large	EXP-A921/05/S	05 (Socket)	Large
EXP-A921/07/P	07 (Plug)	Large	EXP-A921/07/S	07 (Socket)	Large
EXP-A921/10/P	10 (Plug)	Large	EXP-A921/10/S	10 (Socket)	Large

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<p>Panel Mounting Connector</p>  <p>EXP-0931</p>	<ul style="list-style-type: none"> ⬡ Mates with EXP-0911 & EXP-A911 ⬡ Single Hole Fixing ⬡ Anti-Rotation Key ⬡ High Grade Sealing Gasket ⬡ 3-7mm Panel Thickness 	 <p>FIXING DETAILS</p>
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Part No.	Poles	Part No.	Poles
EXP-0931/02/P	02 (Plug)	EXP-0931/02/S	02 (Socket)
EXP-0931/03/P	03 (Plug)	EXP-0931/03/S	03 (Socket)
EXP-0931/04/P	04 (Plug)	EXP-0931/04/S	04 (Socket)
EXP-0931/05/P	05 (Plug)	EXP-0931/05/S	05 (Socket)
EXP-0931/07/P	07 (Plug)	EXP-0931/07/S	07 (Socket)
EXP-0931/10/P	10 (Plug)	EXP-0931/10/S	10 (Socket)

<p>Flange Mounting Connector</p>  <p>EXP-0941</p>	<ul style="list-style-type: none"> ⬡ Mates with EXP-0911 & EXP-A911 Connectors ⬡ Supplied with High Grade Sealing Gasket ⬡ Supplied with Sealing Grommets for Panel Fixing Screws (M6 Thread Recommended) 	 <p>FIXING DETAILS</p>
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Part No.	Poles	Part No.	Poles
EXP-0941/02/P	02 (Plug)	EXP-0941/02/S	02 (Socket)
EXP-0941/03/P	03 (Plug)	EXP-0941/03/S	03 (Socket)
EXP-0941/04/P	04 (Plug)	EXP-0941/04/S	04 (Socket)
EXP-0941/05/P	05 (Plug)	EXP-0941/05/S	05 (Socket)
EXP-0941/07/P	07 (Plug)	EXP-0941/07/S	07 (Socket)
EXP-0941/10/P	10 (Plug)	EXP-0941/10/S	10 (Socket)

EXPlora Series Buccaneer

Heavy Duty Sealing Caps



EXP-0990
EXP-0991
EXP-0992

Sealing Caps and Heavy Duty Sealing Caps to Maintain IP68 Rating of Unmated Connectors with Plastic Straps

Part No.	Description
EXP-0990	Heavy Duty Sealing Cap for use with EXP-0911/xx/x and EXP-A911/xx/x
EXP-0991	Heavy Duty Sealing Cap for use with EXP-0921/xx/x and EXP-A921/xx/x
EXP-0992	Heavy Duty Sealing Cap for use with EXP-0931 and EXP-0941

Cable Glands



PX0980
PXA980

Packs of 3 Additional Pairs Cable Glands for EXPlora Series Flex Cable Connectors

Part No.	Description
PX0980	Pack of 3 Additional Cable Glands for PX0911 and PX0921 to Suit Cable Sizes: 11-13mm, 9-11 and 7-9mm dia.
PXA980	Pack of 3 Additional Cable Glands for PXA911 and PXA921 to Suit Cable Sizes: 18-20mm, 16-18 and 14-16mm dia.

EXPlora Series Buccaneer

Technical Overview Data

Electrical:

No Poles:	2, 3, 4, 5	7	10
Current Rating:	18A	16A	10A
Voltage Rating:	600Vac/dc 430Vac/dc 250Vac/dc		
Contact Resistance:	<10mΩ (initial)		
Insulation Resistance:	>10 ⁹ MΩ (@ 500V dc)		
Dielectric Strength:	2.2kV ac min		
AC Breakdown Voltage:	6kV		
Ambient Temperature Range:	-20°C to +55°C		
Standards:	ATEX Zone 2 and Zone 22 IEC60079-0:2007 IEC60079-15:2005		

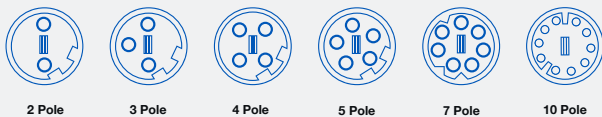
ATEX Coding:	Ⓔ II 3 GD
ATEX Certificate No:	Baseefa09ATEX0232X
ATEX Classification:	Ex nA IIC T6 Gc Ex tc IIIC T85°C Dc

Materials:

Body Mouldings:	Polyester
Cap Mouldings:	Polycarbonate
Flammability Rating:	UL94V-0
UV Resistance:	To EN50021:1999
Contacts:	Machined Solid Brass, Nickel Plated
O Rings:	Nitrile Panel
Sealing Gasket:	Silicone Rubber

RoHS	Compliant
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Contact Layout:



Dimensions:

Overall Dimensions of Connectors When Mated

EXP-0911 + EXP-0921 =	230 mm Max.
EXP-A911 + EXP-A921 =	270 mm Max.
EXP-0911 + EXP-0931 =	135 mm Max. (to Panel)
EXP-A911 + EXP-A931 =	175 mm Max. (to Panel)
EXP-0911 + EXP-0941 =	145 mm Max. (to Panel, Mid Point on Flange)
EXP-A911 + EXP-A941 =	174 mm Max. (to Panel, Mid Point on Flange)

Mechanical:

Sealing:	IP68, EN60529:2001 Tested @ 1.054kg/sq.cm. (15lb/sq.in.) 10m Depth for 2 Weeks
Cable Acceptance:	EXP-0911 - EXP-0921 13 - 15mm O/D Standard, 7-13mm with Gland Pack EXP-A911 - EXP-A921 20 - 22mm O/D Standard, 14 - 20mm with Gland Pack
Contact Accommodation:	2-7 Pole - 2.5 to 4mm ² (13 to 10AWG) Conductor, Single or Multi Stranded 10 Pole - 0.75 to 2mm ² (14 to 18AWG) Conductor, Single or Multi Stranded
Termination:	Axial Screw Terminals 22mm Dia, 150N
Cable Retention Force:	15mm Dia, 150N 7mm Dia, 80N

Gland Nut Torques

EXP-0 Range:	3.16Nm (28lbf/in)
13-15mm (Yellow - Std.):	3.16Nm (28lbf/in)
11-13mm (Black):	3.16Nm (28lbf/in)
9-11mm (White):	3.16Nm (28lbf/in)
7-9mm (Dark Grey):	3.16Nm (28lbf/in)

EXP-A Range

20-22mm (Yellow - Std.):	3.16Nm (28lbf/in)
18-20mm (Black):	3.16Nm (28lbf/in)
16-18mm (White):	3.16Nm (28lbf/in)
14-16mm (Dark Grey):	3.16Nm (28lbf/in)

Tightening Torques

Panel Mount Nut:	2.25 Nm
Flange & Bulkhead Fixing Screws:	0.9 Nm
Rear Thread EXP-0931 Series:	M36 x 2-6g



EXPlora Series Buccaneer

EXP X9	X	X	XX	X	X
Series Designation	Body Styles	Contact Termination	Number Contacts	Contact Type	Cable Acceptance
<p>09 = Standard Cable Accommodation (7-13mm)</p> <p>A9 = Large Cable Accommodation (14-22mm)</p>	<p>1 = Flex</p> <p>2 = Flex In-line</p> <p>3 = Panel</p> <p>4 = Flange Panel</p>	<p>1 = Screw Terminal</p>	<p>02 = 2 Pole</p> <p>03 = 3 Pole</p> <p>04 = 4 Pole</p> <p>05 = 5 Pole</p> <p>07 = 7 Pole</p> <p>10 = 10 Pole</p>	<p>P = Plug</p> <p>S = Socket</p>	<p>EXP-0 Version:</p> <p>Blank = 13-15mm Yellow Cable Gland (Std)</p> <p>3 = 11-13mm Black Cable Gland</p> <p>2 = 9-11mm White Cable Gland</p> <p>1 = 7-9mm Dark Grey Cable Gland</p> <p>EXP-A Version:</p> <p>Blank = 20-22mm Yellow Cable Gland (Std)</p> <p>9 = 18-20mm Black Cable Gland</p> <p>8 = 16-18mm White Cable Gland</p> <p>7 = 14-16mm Dark Grey Cable Gland</p>
<p>Example:</p> <p>EXP-0911/07/P/3 = Flex Cable Connector Body, Seven Pin Contacts, with Gland to Suit 11-13mm Cable.</p>					