

The EXPlora range is most suited to manufacturers of ancillary electrical equipment such as motors, pumps, lighting equipment, process and control gear for use in factories and plant where hazardous, or explosive atmospheres can be caused by flammable gases, mists or vapours or by combustible dusts.



Independently tested for compliance to ATEX standards for use in Zone 2 and Zone 22 environments, the new EXP series is manufactured from a tough,high grade UL94V-0 rated Polyester material and provides environmental sealing to IP68. The ATEX coding is: Ex II 3 GD and the certificated no: Baseefa09ATEX0232X.

EXPlora is rated up to 18A, 600Vac/dc for 2, 3, 4 and 5 poles, 16A, 430Vac/dc for 7 pole and 10A, 250Vac/dc for 10 poles. The 3, 4, 5 and 7 pole versions have leading earth contacts making them suitable for single or three phase applications.

EXP Series EXPlora - Hazardous Area





- ATEX approval for Zone 2 and Zone 22 applications
- Independently tested
- ATEX Coding: EXII 3 GD
- ATEX Classification: Ex nA IIC T6 Gc

Ex to IIIC T85°C Do

- O IP68 rating tested at 1.054kg/sq cm (15lb/sq in)
- O 10m depth for 2 weeks
- O Up to 18A, 600V ac/dc rating
- 2, 3, 4, 5, 7 and 10 pole
- Q Leading earth contact for 3, 4, 5 & 7 pole versions
- Trailing Neutral on 5 pole
- O Plug or socket connection in each body style
- Water and dustproof to IP68 when mated

- O 'Scoop proof' contacts
- O Field termination screw terminations
- O Positive locating keyways cannot be mis-connected
- Sealing caps available to maintain IP68 rating of unmated connectors
- O Compact design
- O Easy assembly no special tools required
- O Single or 3 phase applications
- O Cost effective solution
- O Cable acceptance from 7 to 22mm O/D
- ☼ Two cable connector versions for 15mm and 22mm (maximum) cable diameters
- O Separate strain relief on large cable version

EXP Series EXPlora



Flex Cable Connector



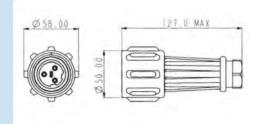
EXP-0911

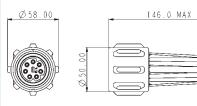
Flex Cable Connector



EXP-A911

- O Mates with in-line flex or panel mounting versions
- O Positive, fast acting locking ring - can be turned with a gloved hand
- Plug or socket versions
- O EXP-0 Series13-15mm cable dia. acceptance as standard, 7-13mm with additional gland pack
- O EXP-A Series 20-22mm cable dia. Acceptance as standard, 14-20mm with additional gland pack
- O Strain Relief Clamp





Standard Cable	Large Cable	Description	Standard Cable	Large Cable	Description
EXP-0911/02/P	EXP-A911/02/P	2 pole Plug	EXP-0911/02/S	EXP-A911/02/S	2 pole Socket
EXP-0911/03/P	EXP-A911/03/P	3 pole Plug	EXP-0911/03/S	EXP-A911/03/S	3 pole Socket
EXP-0911/04/P	EXP-A911/04/P	4 pole Plug	EXP-0911/04/S	EXP-A911/04/S	4 pole Socket
EXP-0911/05/P	EXP-A911/05/P	5 pole Plug	EXP-0911/05/S	EXP-A911/05/S	5 pole Socket
EXP-0911/07/P	EXP-A911/07/P	7 pole Plug	EXP-0911/07/S	EXP-A911/07/S	7 pole Socket
EXP-0911/10/P	EXP-A911/10/P	10 pole Plug	EXP-0911/07/S	EXP-A911/10/S	10 pole Socket





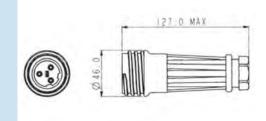
EXP-0921

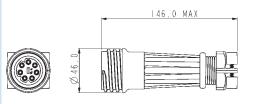
In-Line Flex Cable Connector



EXP-A921

- Mates with either EXP-0911 or EXP-A911 connectors
- Plug or socket versions
- EXP-0 Series13-15mm cable dia. acceptance as standard, 7-13mm with additional gland pack
- O EXP-A Series 20-22mm cable dia. acceptance as standard, 14-20mm with additional gland pack
- O Strain Relief Clamp





Standard Cable	Large Cable	Description	Standard Cable	Large Cable	Description
EXP-0921/02/P	EXP-A921/02/P	2 pole Plug	EXP-0921/02/S	EXP-A921/02/S	2 pole Socket
EXP-0921/03/P	EXP-A921/03/P	3 pole Plug	EXP-0921/03/S	EXP-A921/03/S	3 pole Socket
EXP-0921/04/P	EXP-A921/04/P	4 pole Plug	EXP-0921/04/S	EXP-A921/04/S	4 pole Socket
EXP-0921/05/P	EXP-A921/05/P	5 pole Plug	EXP-0921/05/S	EXP-A921/05/S	5 pole Socket
EXP-0921/07/P	EXP-A921/07/P	7 pole Plug	EXP-0921/07/S	EXP-A921/07/S	7 pole Socket
EXP-0921/10/P	EXP-A921/10/P	10 pole Plug	EXP-0921/07/S	EXP-A921/10/S	10 pole Socket

EXP Series EXPlora



Panel Mounting Connector



EXP-0931

- 0 Mates with EXP-0911 and EXP-A911 connectors
- Single hole fixing
- \bigcirc Anti-rotation key
- \Diamond High grade sealing gasket
- \Diamond 3-7mm panel thickness



Panel Mounting

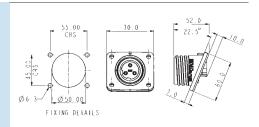
EXP-0931/02/P EXP-0931/03/P EXP-0931/04/P EXP-0931/05/P EXP-0931/07/P	2 pole Plug 3 pole Plug 4 pole Plug 5 pole Plug 7 pole Plug	EXP-0931/03/S EXP-0931/04/S EXP-0931/05/S	2 pole Socket 3 pole Socket 4 pole Socket 5 pole Socket 7 pole Socket
EXP-0931/07/P	7 pole Plug	EXP-0931/07/S	7 pole Socket
EXP-0931/10/P	10 pole Plug	EXP-0931/10/S	10 pole Socket

Flange Mounting Connector



EXP-0941

- Mates with EXP-0911 and EXP-A911 connectors
- Supplied with high grade sealing gasket
- Supplied with sealing grommets for panel fixing screws (M6 thread recommended)



Panel Mounting

EXP-0941/02/P	2 pole Plug	EXP-0941/02/S	2 pole Socket
EXP-0941/03/P	3 pole Plug	EXP-0941/03/S	3 pole Socket
EXP-0941/04/P	4 pole Plug	EXP-0941/04/S	4 pole Socket
EXP-0941/05/P	5 pole Plug	EXP-0941/05/S	5 pole Socket
EXP-0941/07/P	7 pole Plug	EXP-0941/07/S	7 pole Socket
EXP-0941/10/P	10 pole Plug	EXP-0941/10/S	10 pole Socket

Accessories



EXP-0990, EXP-0991, EXP-0992

Heavy duty sealing caps to maintain IP68 rating of unmated connectors, with stainless steel straps

Sealing Caps

Heavy duty sealing cap for use with EXP-0990 EXP-0911/xx/x and EXP-A911/xx/x

Heavy duty sealing cap for use with EXP-0991 EXP-0921/xx/x and EXP-A921/xx/x

Heavy duty sealing cap for use with EXP-0992

EXP-0931 and EXP-0941

Gland Packs

Pack of 3 additional cable glands for EXP-0980 EXP-0911 and EXP-0921 to suit

cable sizes; 11-13mm, 9-11 and 7-9mm dia.

Pack of 3 additional cable glands for EXP-A980

EXP-A911 and EXP-A921 to suit cable sizes;

18-20mm, 16-18 and 14-16mm dia.

EXP Series EXPlora - Hazardous Area Connector

Part No System



EXP X9	X	X /	' xx /	' x /	/ x	
--------	---	------------	---------------	--------------	------------	--

Series Designation

09 = Standard Cable Accommodation (7-13mm)

A9 = Large Cable Accommodation (14-22mm)

Body Styles

1 = Flex, 2 = Flex In-line, 3 = Panel,

4 = Flange Panel

Contact Termination

1 = Screw Terminal

Number Contacts

02 = 2 pole 03 = 3 pole04 = 4 pole

05 = 5 pole 07 = 7 pole 10 = 10 pole

Contact Type

P = Plug, S = Socket

Cable Acceptance

EXP-0 version:

Blank = 13-15mm Yellow cable gland (std)

3 = 11-13mm Black cable gland

2 = 9-11mm White cable gland

1 = 7-9mm Dark Grey cable gland

EXP-A version:

Blank = 20-22mm Yellow cable gland (std)

9 = 18-20mm Black cable gland

8 = 16-18mm White cable gland

7 = 14-16mm Dark Grey cable gland

Example:

EXP-0911/07/P/3 = Flex cable connector with standard cable accommodation body, seven pin contacts, with gland to suit 11-13mm cable.

Contact Layout



2 pole



3 pole



4 pole



5 pole



7 pole



10 pole

Overall dimensions of connectors when mated together:

EXP-0911 + EXP-0921 EXP-A911 + EXP-A921 EXP-0911 + EXP-0931 230 mm max. 270 mm max. 135 mm max. (to panel) EXP-A911 + EXP-A931 EXP-0911 + EXP-0941 point on flange) EXP-A911 + EXP-A941 point on flange) 175 mm max. (to panel) 145 mm max. (to panel, mid

174 mm max. (to panel, mid

EXPlora EXPlora - Hazardous Area Connector





Electrical:		Mechanical:		
No Poles:	2, 3, 4, 5 7 10	Sealing:	IP68, EN60529:2001 tested @	
Current Rating:	18A 16A 10A		1.054kg/sq.cm. (15lb/sq.in.) 10m depth for 2 weeks	
Voltage Rating:	600Vac/dc 430Vac/dc 250Vac/dc	Cable Acceptance:	EXP-0911 - EXP-0921 13 - 15mm O/D standard, 7-13mm with gland pack	
Contact Resistance:	$<10m\Omega$ (initial)		EXP-A911 - EXP-A921 20 - 22mm O/D standard 14 - 20mm with gland pack	
Insulation Resistance:	$>10^{6} M\Omega$ (@ 500V dc)			
Dielectric strength:	2.2kV ac min	Contact Accommodation:	2-7 pole - 2.5 to 4mm2 (13 to10AWG) conductor, single or multi stranded 10 pole - 0.75 to 2mm2 (14 to 18AWG)	
AC Breakdown voltage:	6kV		conductor, single or multi stranded	
Ambient Temperature Range:	−20°C to +55°C	Termination:	Axial screw terminals 22mm dia, 150N	
Standards:	ATEX Zone 2 and Zone 22 IEC60079-0:2007 IEC60079-15:2005	Cable Retention force:	15mm dia, 150N 7mm dia, 80N	
ATEX Coding: ATEX Certificate No: ATEX Classification:	⊞ II 3 GD Baseefa09ATEX0232X Ex nA IIC T6 Gc Ex tc IIIC T85°C Dc	Gland Nut Torques: EXP-0 range 13-15mm (Yellow - std.) 11-13mm (black) 9-11mm (white) 7-9mm (dark grey)	3.16Nm (28lbf/in) 3.16Nm (28lbf/in) 3.16Nm (28lbf/in) 3.16Nm (28lbf/in)	
Materials:		EVD A		
Body Mouldings: Cap Mouldings: Flammability Rating: UV Resistance: Contacts:	Polyester Polycarbonate UL94V-0 To EN50021:1999 Machined Solid Brass, Nickel plated	EXP-A range 20-22mm (Yellow - std.) 18-20mm (black) 16-18mm (white) 14-16mm (dark grey)	3.16Nm (28lbf/in) 3.16Nm (28lbf/in) 3.16Nm (28lbf/in) 3.16Nm (28lbf/in)	
O Rings: Sealing Gasket: RoHS	Nitrile Panel Silicone Rubber Compliant	Tightening Torques: Panel mount nut Flange & Bulkhead fixing screws	2.25 Nm 0.9 Nm	
		Rear thread EXP-0931 series	M36 x 2-6g	

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for High Speed/Modular Connectors category:

Click to view products by Bulgin manufacturer:

Other Similar products are found below:

2332816-1 89006-1137LF 650827-1 65762-001 65762-001LF 70295-002LF 73474-201LF 74040-1346 74075-0267 88911-201LF

1410191-1 1410337-1 1410368-3 1410964-2 1410326-3 1410367-3 1410971-4 1467833-1 2000877-1 2000878-1 2041314-1 2065387-1

2187307-1 2187462-1 2226278-6 KA81-07 91290-101LF 1934290-1 2000875-1 2065917-1 2102736-2 FSR-40 2169868-2 2226279-2

22354-8 437-5040-000 532449-3 532803-2 34745-0001 0740618502 0760151403 0760551105 0760551608 0761451128 0761651124

0761655108 0761659807 0769853208 0736440217 0758324203