



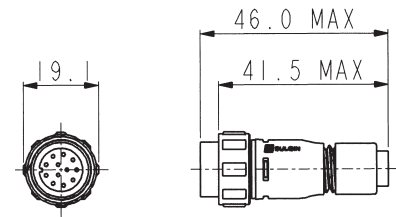
- ⊕ IP68 rating tested at 1.054kg/sq cm (15lb/sq in) 10m depth for 2 weeks
- ⊕ IP69K, Tested in accordance with DIN 40050/Part 9 IP6k9k
- ⊕ 2 and 3 Contact - 8A, 250V rating
- ⊕ 4, 6 and 8 Contact - 5A, 125V rating
- ⊕ 10 and 12 Contact - 1A, 50V rating
- ⊕ 2.5mm contact engagement for electrical integrity 'Scoop proof' contacts
- ⊕ Contact inserts are part of body moulding
- ⊕ Cable range from 3 to 7mm
- ⊕ Overall length (flex + Inline) 80mm
- ⊕ Gold plated contacts
- ⊕ Diameter over coupling ring 19.1mm
- ⊕ Pre-wired, overmoulded cable assemblies
- ⊕ Flex, Inline, Front Panel, Rear Panel and PCB mounting body styles
- ⊕ Plug and Socket versions in all body styles
- ⊕ Flame Retardant moulding material - Polyamide UL94-V0
- ⊕ Contacts supplied separately (except PCB versions)
- ⊕ Sealing caps available to maintain IP68 rating
- ⊕ Secure sealing system
- ⊕ Crimp and solder contacts
- ⊕ PCB mounting connector supplied with contacts pre-loaded
- ⊕ Front and rear panel mounting panel connectors
- ⊕ VDE and cULus approvals
- ⊕ EN60068-2-52 Test Kb Salt Mist (Cyclic) Marine Severity Level 1
- ⊕ Smart options available with EEPROM memory chip

Flex Cable Connector



PX0410

- Mates with Inline or Panel mounting versions PX0401, PX0411, PX0412 & PX0413
- Plug or socket
- 2, 3, 4, 6, 8, 10 or 12 Contact
- Screw locking ring
- Contacts supplied separately

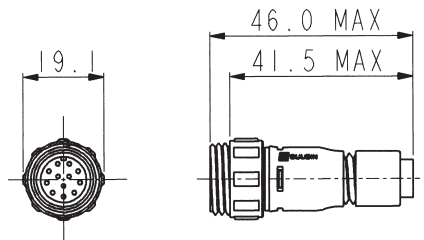


Inline Cable Connector



PX0411

- Mates with Flex Cable connectors PX0400, PX0402 & PX0410
- Plug or socket
- 2, 3, 4, 6, 8, 10 or 12 Contact
- For Inline cable connection
- Contacts supplied separately

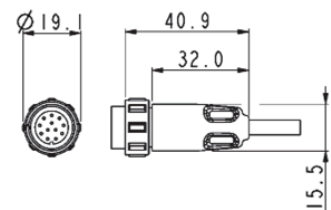


Pre Wired Flex Cable Connector



PX0400

- Overmoulded Flex connector for pre-wired cable assemblies
- Plug or socket
- Cable range 2.5 -9.0mm O/D
- 2, 3, 4, 6, 8, 10 or 12 Contact
- Mates with PX0401 & PX0411 Inline connectors and PX0412 & PX0413 panel mounting connectors

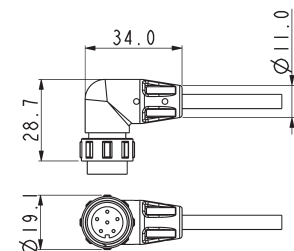


Pre Wired Flex Cable Connector



PX0402

- Right-angled overmoulded Flex connector for pre-wired cable assemblies
- Plug or socket
- Cable range 2.5 -9.0mm O/D
- 2, 3, 4, 6, 8, 10 or 12 Contact
- Mates with PX0401 & PX0411 Inline connectors and PX0412 & PX0413 panel mounting connectors

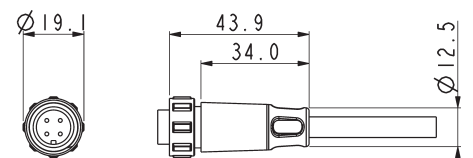


Smart Connector



PXS410

- Overmoulded pre-wired sealed connector
- 4, 6, 8, 10, 12 Contact
- Embedded memory chip through 1 wire EEPROM
- Mates with PX0401 & PX0411 Inline connectors and PX0412 & PX0413 panel mounting connectors

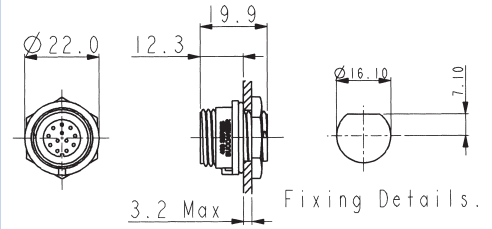


Front Panel Mounting Connector



PX0412

- Mates with Flex Cable connectors PX0410, PX0400 & PX0402
- Single hole fixing
- Contacts supplied separately
- 2, 3, 4, 6, 8, 10 or 12 Contact

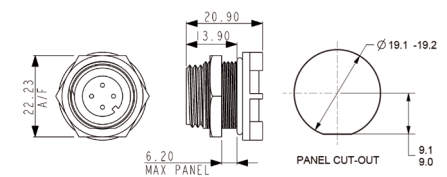


Rear Panel Mounting Connector



PX0413/XXX

- Mates with Flex Cable connector PX0410, PX0400 & PX0402
- Single hole fixing
- Contacts supplied separately
- 2, 3, 4, 6, 8, 10 or 12 Contact

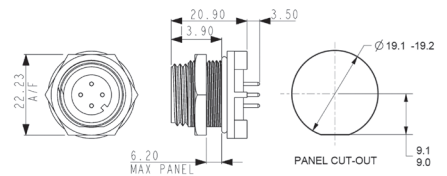


PCB Mounting Connector



PX0413/XXX/PC

- Mates with Flex Cable connector PX0410, PX0400 & PX0402
- PCB Rear Panel mounting
- Straight PC spills
- Supplied with pre-loaded gold plated contacts
- 2, 3, 4, 6, 8, 10 or 12 Contact



Sealing Caps



PX0480 PX0480/1 PX0481 PX0484

- Maintains IP68 Rating of Unmated Connectors
- PX0480: Fits PX0412 (panel mounting)
- PX0480/1: Fits PX0401 & PX0411 (Inline)
- PX0481: Fits PX0400, PX0402 & PX0410 (flex connector)
- PX0484: Fits PX0413 (PCB and rear panel mount)

Gland Packs

Part No	Description
PX0482	Pack of 4 pairs cable glands and collets to suit cables from 3.0 to 5.0mm diameter.
PX0483	Pack of 4 pairs cable glands and collets to suit cables from 5.0 to 7.0mm diameter.

BUCCANEER FOR POWER

400 Series Buccaneer

Specifications



Crimp Contacts

Contact	Current Rating	Plug Part No.	Socket Part No.	Pack Qty	Cable Acceptance (dia)
2, 3	8A	SA3350	SA3349	10	20 - 24 AWG
4, 6, 8	5A	SA3348	SA3347	10	22 - 26 AWG
10, 12	1A	SA3180	SA3179	10	24 - 28 AWG

Solder Contacts

Contact	Current Rating	Plug Part No.	Socket Part No.	Pack Qty	Cable Acceptance (dia)
2, 3	8A	SA3350/1	SA3349/1	10	20 - 24 AWG
4, 6, 8	5A	SA3348/1	SA3347/1	10	22 - 26 AWG
10, 12	1A	SA3180/1	SA3179/1	10	24 - 28 AWG

Insertion / Extraction

	Contacts	Contact Rating	Colour	Part No
Insertion/Extraction Tool	2,3	8A	Blue	13027/2
Insertion/Extraction Tool	4,6,8	5A	Red	13027/1
Insertion/Extraction Tool	10,12	1A	Green	13027

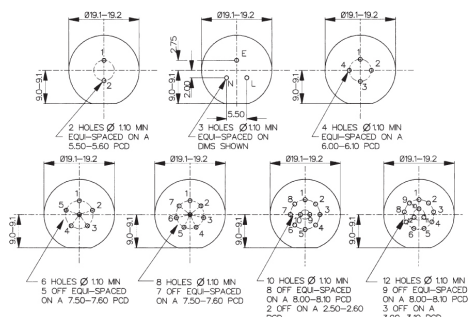
Crimp tools

	Contacts	Contact Rating	Colour	Part No
Positioner	2,3	8A	Blue	14025/8AMP
Positioner	4,6,8	5A	Red	14025/5AMP
Positioner	10,12	1A	Green	14025/1AMP
8 Indent Crimp Tool for use with positioners				14025

PX0413 PCB Contact Layout

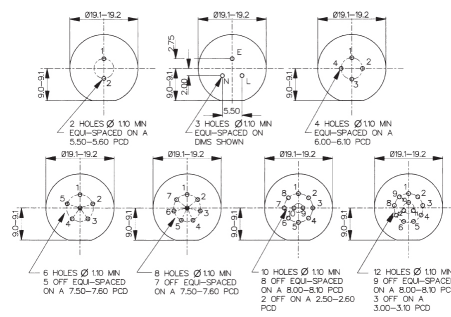
Sockets

Contact numbers viewed from rear of panel

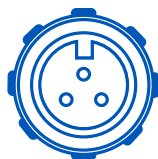


Plugs

Contact numbers viewed from rear of panel



2 Contact (8 Amp)



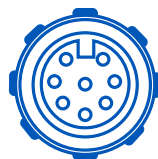
3 Contact (8 Amp)



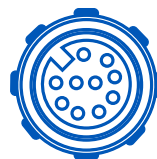
4 Contact (5 Amp)



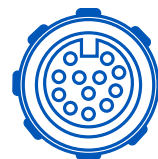
6 Contact (5 Amp)



8 Contact (5 Amp)



10 Contact (1 Amp)



12 Contact (1 Amp)

Electrical:

No. Contacts:	2, 3	4, 6, 8	10, 12
Current Rating:	8A	5A	1A
Voltage Rating:	250V AC/DC	125V AC/DC	50V AC/DC
Contact Resistance:	<5mΩ		
Insulation Resistance:	>10 ⁶ MΩ (@ 500V DC)		
AC Breakdown voltage:	2.5kV		
Cycles:	>1000		

Operating Temperature:	
Flex and panel types	-40°C to +80°C
Overmoulded	-20°C to +60°C

Approvals:

 cULus (Underwriters Laboratory)	E214972
 VDE (Verband der Elektrotechnik)	40002226

Overmoulded cable assemblies approvals to customer requirements.

Material:

Flex and panel types:	
Body Mouldings:	Polyamide
Flammability Rating:	UL94V-0
UV Resistance:	To EN 50021:1999

Overmoulded types:	
Body Mouldings:	Polyurethane
Flammability Rating:	UL94V-HB

Contacts:	Copper alloy, Gold plated
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O Rings:	Nitrile
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Panel Sealing O Ring:	Nitrile
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RoHS	Compliant
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Smart Connector EEPROM:

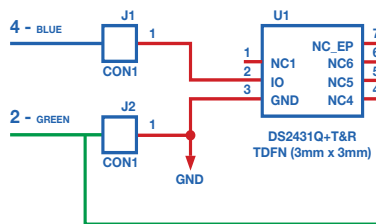
1024 - Bit Memory

1 - Wire

Can be Write Protected

Manufacturer - Maxim Intergrated

Part Number - 0S2431



Mechanical:

Sealing:	IP69K, Tested in accordance with DIN 40050/Part 9 IP6k9k
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	IP68, EN60529:1992+A2:2013 tested @ 1.054kg/sq cm (15lb/sq in) 10m depth for 2 weeks
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Salt Mist:	EN60068-2-52 Test Kb Salt Mist (Cyclic) Marine Severity Level 1
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Cable Acceptance:	3.0 - 7.0mm
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Contact Accommodation:	2, 3 Contact, 20 - 24 AWG 4, 6, 8 Contact, 22 - 26 AWG 10, 12 Contact, 24 - 28 AWG
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Termination:	Crimp, solder and PCB
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Insertion/Withdrawal Force:	
No. Contacts:	2 3 4 6 8 10 12
Insertion Force (typ):	19N 25N 27N 27N 28N 55N 62N
Withdrawal Force (typ):	12N 17N 17N 21N 22N 25N 29N

Tightening Torques:	
Panel mount (PX0412)	
Rear fixing nut:	1.0-1.1Nm (9lbf.in.)
Panel mount (PX0413)	
Front fixing nut:	1.0-1.1Nm (9lbf.in.)

Cable Retention force:	
3.0mm dia	60N
4.0 to 7.0mm dia	80N

Rear panel thread PX0412:	M16x1.5
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Panel thread PX0413:	18.97x26TPI Whitworth form to BS84 med fit
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Dimensions:

Overall dimensions of connectors when mated together

Flex + Inline	80mm
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Dia. over coupling ring	19.1mm
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Dia. over coupling ring

Plug	/	Wire Colour
1		Red
2		Green
3		Yellow
4		Blue
5		White
6		Black
7		Brown
8		Violet
9		Orange
10		Pink
11		Turquoise
12		Grey

Standard:

PX041X	/	XX	X	/	XXXX
Body Styles PX0410 = Flex body PX0411 = Inline body PX0412 = Front panel mounting body PX0413 = Rear panel/PCB mounting body		Number of Contacts 02 03 04 06 08 10 12	Contact Type P = Plug, S = Socket		For PX0410 and PX0411 cable connectors - Cable Entry Size: 3035 = 3.0 - 3.5mm (Light Grey) 3540 = 3.5 - 4.0mm (Grey) 4045 = 4.0 - 4.5mm (Green) 4550 = 4.5 - 5.0mm (Red) 5055 = 5.0 - 5.5mm (Yellow) 5560 = 5.5 - 6.0mm (Blue) 6065 = 6.0 - 6.5mm (White) 6570 = 6.5 - 7.0mm (Black)
Examples: PX0410/10S/4045 = Flex cable connector, 10 socket contacts with gland and collet for cables between 4.0 and 4.5mm diameter (supplied less contacts). PX0412/08P = Front panel mounting connector, 8 Plug contacts (supplied less contacts). PX0413/06P = Rear panel mounting connector, for 6 Plug contacts (supplied less contacts). PX0413/04P/PC = Rear panel/PCB connector, 4 Plug contacts, PCB mounting (supplied with contacts loaded).					Cable gland and collet supplied in colour coded pairs. For PX0413 PCB/Rear Panel Mount: PC = Pre-loaded PC Plugs Blank = no Plugs supplied For PX0412 Front Panel Mount: Suffix not required - leave blank

Pre Wired Variation:

PX040X	/	XXX	/	XX	/	X
Body Styles PX0400 = Pre Wired Flex Cable Connector PX0402 = Pre Wired Flex Cable Connector - Right angle		Length 001 = 1m 002 = 2m 003 = 3m ... 015 = 15m		Number of Contacts 02 03 04 06 08 12		Contact Type P = Plug S = Socket

Smart:

PXS410	/	XX	/	XX	/	X
Body Styles PXS410 = Flex body		Cable length 02 = 2m 03 = 3m 05 = 5m 10 = 10m		Number of Contacts 04 06 08 10 12		Contact Type P = Plug S = Socket

Examples:

PXS410/02/04/P = Smart flex cable connector, 2m cable to free end, 4 Plug contact