

GUTACHTEN MIT FERTIGUNGSÜBERWACHUNG CERTIFICATE OF CONFORMITY WITH FACTORY SURVEILLANCE

Elektron Technology UK Ltd.

Broers Building
JJ Thompson Avenue
CAMBRIDGE
CB3 0FA

UNITED KINGDOM

ist berechtigt, für ihr Produkt /
is authorized to use for their product

Steckverbinder (COC)
Connector (COC)

Buccaneer 900

die hier abgebildeten markenrechtlich geschützten Zeichen
für die ab Blatt 2 aufgeführten Typen zu benutzen /
the legally protected Marks as shown below for the types referred to on page 2 ff.



REG.-Nr. 40003148 oder/or



oder/or VDE-REG.-Nr. 40003148

REG.-Nr. 40003148

Geprüft und zertifiziert nach /
Tested and certified according to

DIN EN 61984 (VDE 0627):2009-11; EN 61984:2009

VDE Prüf- und Zertifizierungsinstitut GmbH
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Zertifizierungsstelle / Certification

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Aktenzeichen: 886700-1431-0002 / 153321

File ref.:

Ausweis-Nr. 40003148

Blatt 1

Certificate No.

Page

Weitere Bedingungen siehe Rückseite und Folgeblätter /
further conditions see overleaf and following pages

Offenbach, 2002-09-12

(letzte Änderung/updated 2012-04-05)

<http://www.vde.com/zertifikat>

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VDE Prüf- und Zertifizierungsinstitut Gutachten mit Fertigungsüberwachung

Ausweis-Nr. / Blatt /
Certificate No. page
40003148 2

Name und Sitz des Genehmigungs-Inhabers / *Name and registered seat of the Certificate holder*
Elektron Technology UK Ltd. Broers Building, JJ Thompson Avenue, CAMBRIDGE, CB3 0FA, UNITED KINGDOM

Aktenzeichen / *File ref.*
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2012-04-05 2002-09-12

Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Gutachtens mit Fertigungsüberwachung Nr. 40003148.
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Steckverbinder (COC) *Connector (COC)* **Buccaneer 900**

Typ(en) / *Type(s)*:

PXx9 x x/xx/S x
Steckbar auf / *pluggable on*
PXx9 x x/xx/P x

Weitere Angaben
Further information

siehe Anlage Nr.: 1-5; 100A; 100B; 1000
see enclosure no.: 1-5; 100A; 100B; 1000

Anmerkung

Remark

Der Bemessungsstrom für Leiterquerschnitte kleiner dem Nennquerschnitt ist entsprechend der Strombelastbarkeit für Leiter sowie der Deratingkurve (IEC 60512-3) so zu bemessen, dass die obere Grenztemperatur nicht überschritten wird.
The rated current for conductor cross section areas smaller than the rated cross section areas has to be assessed corresponding with the current load carrying capacity limit of the conductors and the derating-curve (IEC 60512-3), so that the temperature does not exceed the upper-limit.

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Fachgebiet FG33
Section FG33

VDE Prüf- und Zertifizierungsinstitut Gutachten mit Fertigungsüberwachung

Ausweis-Nr. / Beiblatt /
Certificate No. Supplement
40003148

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Dieses Beiblatt ist Bestandteil des Gutachtens mit Fertigungsüberwachung Nr. 40003148.

This supplement is part of the Certificate of Conformity with factory surveillance No. 40003148.

Steckverbinder (COC)
Connector (COC)
Buccaneer 900

Fertigungsstätte(n)
Place(s) of manufacture

Referenz/*Reference*
30017225

Elektron Tunisie
23 Rue 62128, Zone Industrielle
Ibn Khaldoun, Cite Ettahir
2042 TUNIS
TUNISIA

VDE Prüf- und Zertifizierungsinstitut GmbH
VDE Testing and Certification Institute
Fachgebiet FG33
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Steckverbinder
Connectors

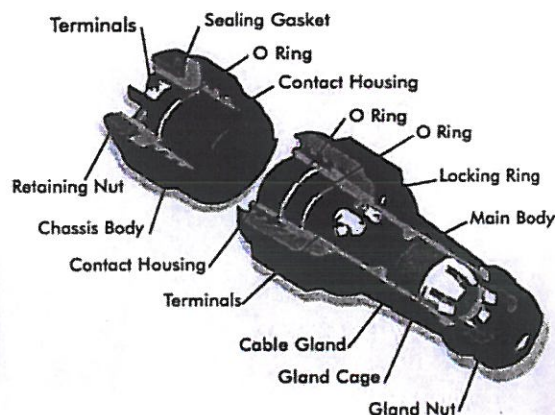
Anlage-Nr.: 1
Appendix No.:

BULGIN Buccaneer® Connectors

900 Series Buccaneer®



Connectors



- 32A, 600V ac/dc current rating
- 2, 3, 4, 5 and 7 pole
- Plug or socket connection in each body style
- Water and dustproof to IP 66
- 'Scoop proof' contacts
- Field termination - screw terminations
- Optional internally sealed contacts
- Positive locating keyways - cannot be misconnected (excluding 7 pole)
- Sealing caps available to maintain IP66 rating of unmated connectors
- Leading earth contact for 3, 4, 5 and 7 pole versions
- Trailing Neutral on 5 pole
- Compact design
- Easy assembly - no special tools required
- Single or 3 phase applications
- Alternative polarisation keyways on contact inserts
- Bulkhead moulding available for use with flange mounting body for 45° or 90° mounting (order each separately)
- Cost effective solution
- Two body versions - 15mm and 22mm cable diameters
- Separate strain relief on large cable version

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Steckverbinder
Connectors

Anlage-Nr.: 2
Appendix No.:

Buccaneer® Connectors **BULGIN**

900 Series Buccaneer®



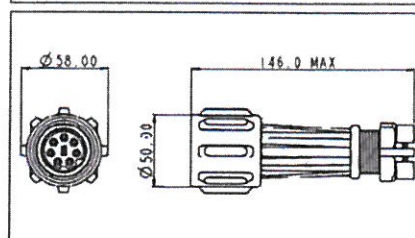
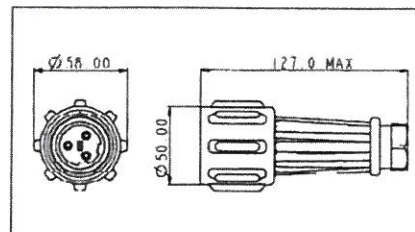
PX0911/xx/x



PXA911/xx/x

- Flex cable connector
- Positive, fast acting locking ring - can be turned with a gloved hand
- Mates with cable or panel styles
- Plug or socket versions
- PX0 Series 13-15mm cable dia. as standard, 7-13mm with additional gland pack
- PXA Series 20-22mm cable dia. as standard, 14-20mm with additional gland pack
- Strain Relief Clamp (PXA Series only)

addition:
PXA series 11-13 mm
cable diameter



Flex Cable

Standard Cable	Large Cable	Description	Standard Cable	Large Cable	Description
PX0911/02/P	PXA911/02/P	2 pole Plug	PX0911/02/S	PXA911/02/S	2 pole Socket
PX0911/03/P	PXA911/03/P	3 pole Plug	PX0911/03/S	PXA911/03/S	3 pole Socket
PX0911/04/P	PXA911/04/P	4 pole Plug	PX0911/04/S	PXA911/04/S	4 pole Socket
PX0911/05/P	PXA911/05/P	5 pole Plug	PX0911/05/S	PXA911/05/S	5 pole Socket
PX0911/07/P	PXA911/07/P	7 pole Plug	PX0911/07/S	PXA911/07/S	7 pole Socket

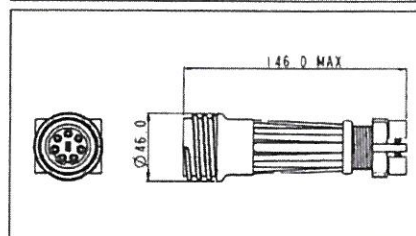
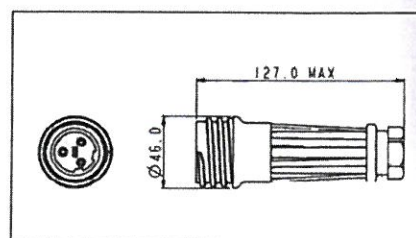


PX0921/xx/x



PXA921/xx/x

- In-line flex cable connector
- Mates with PX0911/xx/x and PXA911/xx/x connectors
- Plug or socket versions
- PX0 Series 13-15mm cable dia. as standard, 7-13mm with additional gland pack
- PXA Series 20-22mm cable dia. as standard, 14-20mm with additional gland pack
- Strain Relief Clamp (PXA Series only)



In-Line Flex Cable

Standard Cable	Large Cable	Description	Standard Cable	Large Cable	Description
PX0921/02/P	PXA921/02/P	2 pole Plug	PX0921/02/S	PXA921/02/S	2 pole Socket
PX0921/03/P	PXA921/03/P	3 pole Plug	PX0921/03/S	PXA921/03/S	3 pole Socket
PX0921/04/P	PXA921/04/P	4 pole Plug	PX0921/04/S	PXA921/04/S	4 pole Socket
PX0921/05/P	PXA921/05/P	5 pole Plug	PX0921/05/S	PXA921/05/S	5 pole Socket
PX0921/07/P	PXA921/07/P	7 pole Plug	PX0921/07/S	PXA921/07/S	7 pole Socket

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Steckverbinder
Connectors

Anlage-Nr.: 3
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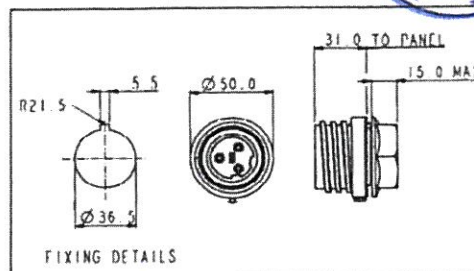
BULGIN Buccaneer® Connectors

900 Series Buccaneer®



PX0931/xx/x

- Chassis mounting connector
- Anti-rotation key
- High grade sealing gasket
- 3-7mm panel thickness
- Mates with PX0911/xx/x and PXA911/xx/x connectors



FIXING DETAILS

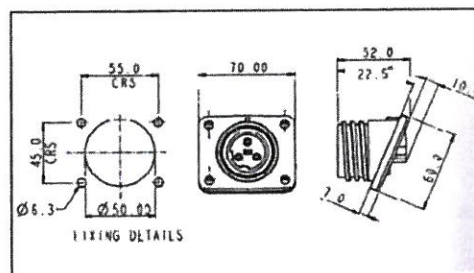
Chassis Mounting

PX0931/02/P	2 pole Plug	PX0931/02/S	2 pole Socket
PX0931/03/P	3 pole Plug	PX0931/03/S	3 pole Socket
PX0931/04/P	4 pole Plug	PX0931/04/S	4 pole Socket
PX0931/05/P	5 pole Plug	PX0931/05/S	5 pole Socket
PX0931/07/P	7 pole Plug	PX0931/07/S	7 pole Socket



PX0941/xx/x

- Flange mounting connector
- Supplied with high grade sealing gasket
- Supplied with sealing grommets for panel fixing screws (M6 thread recommended)
- Mates with PX0911/xx/x and PXA911/xx/x connectors



FIXING DETAILS

Flange Mounting

PX0941/02/P	2 pole Plug	PX0941/02/S	2 pole Socket
PX0941/03/P	3 pole Plug	PX0941/03/S	3 pole Socket
PX0941/04/P	4 pole Plug	PX0941/04/S	4 pole Socket
PX0941/05/P	5 pole Plug	PX0941/05/S	5 pole Socket
PX0941/07/P	7 pole Plug	PX0941/07/S	7 pole Socket



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Steckverbinder
Connectors

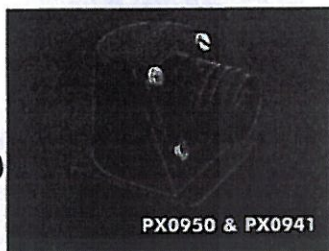
Anlage-Nr.: 4
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Buccaneer® Connectors **BULGIN**

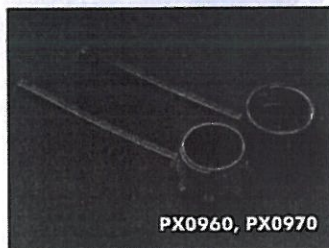
900 Series Buccaneer®



PX0950

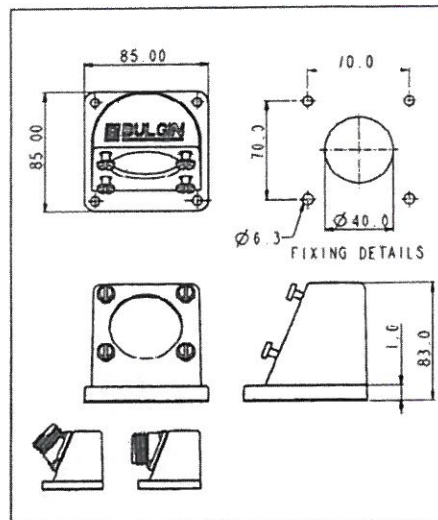


PX0950 & PX0941



PX0960, PX0970

- Additional bulkhead adaptor moulding
- For use with flange mounting connector PX0941, to give 45° or 90° angle
- Supplied with high grade sealing gasket
- Supplied with sealing grommets for panel fixing screws (M6 thread recommended)



- Sealing caps to maintain IP66 rating of unmated connectors

Accessories

PX0960	Sealing cap for use with PX091x/xx/x and PXA91x/xx/x
PX0970	Sealing cap for use with all other styles
PX0980	Gland pack for 7-13mm cable sizes
PXA980	Gland pack for 14-20mm cable sizes

Part No System

Series Designation
09 = Standard Cable Accommodation
A9 = Large Cable Accommodation

Body Styles
1 = Flex, 2 = Flex In-line,
3 = Chassis, 4 = Flange Chassis

Contact Termination
1 = Screw Terminal

Number Contacts
02 = 2 pole, 03 = 3 pole,
04 = 4 pole, 05 = 5 pole
07 = 7 pole

Contact Type
P = Plug, S = Socket

Keyway Orientation
Blank = Standard
A = Alternative

PXx9 x x / xx / x x

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Steckverbinder Connectors	Anlage-Nr.: 5 Appendix No.:
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BULGIN Buccaneer® Connectors

900 Series Buccaneer®

Specification

Electrical:	Mechanical:
Current Rating: 32A, per contact Voltage Rating: 600V ac/dc, 50/60Hz (2, 3, 4, 5 pole) 430V a.c./d.c. 50/60Hz (7 pole) Contact Resistance: <10mΩ (initial) Insulation Resistance: >10 ⁹ MΩ (@ 500V dc) Dielectric strength: 2.2kV ac min AC Breakdown voltage: TBA Operating Temperature Range: -40°C to +140°C Approvals:  pending	Sealing: IP66 FN60529 Cable Acceptance: PX0911-PX0921 13 - 15mm O/D standard, 7-13mm with gland pack PX0911-PXA921 20 - 22mm O/D standard, 14 - 20mm with gland pack * Contact Accommodation: 2.5 to 4mm ² conductor, single or multi stranded Termination: Axial screw terminals Vibration Test: To EN60068-2-6:1995 Insertion Force: TBA Withdrawal Force: TBA Impact Resistance: To EN50021:1996 Drop Test: To EN50021:1996 Cable Retention force: 15mm dia, 150N 7mm dia, 80N Tightening Torques: Chassis mount nut 2.25 Nm Cable gland nut 1.69 Nm Flange & Bulkhead fixing screws 0.9 Nm
Material:	Dimensions:
Body Mouldings: Polyamide Flammability Rating: UL94V-0 UV Resistance: To EN50021:1999 Corrosion Resistance: To IEC68-2-11:1981 Contacts: Machined Solid Brass, Nickel plated O Rings: Nitrile Chassis Sealing Gasket: Silicone Rubber	Overall dimensions of connectors when mated together PX0911 + PX0921 (PXA911 + PXA921) 230 mm max. PX0911 + PX0931 (PXA911 + PX0931) 135 mm max. (to panel) PX0911 + PX0941 (PXA911 + PX0941) 145 mm max. (to panel, mid point on flange)

Alternative Keyways (to prevent mis-mating)

Poles	2	3	4	5	7
Standard					
Alternative					

* addition:
PXA series 11-13 mm
cable diameter

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