ITT Cannon Push Pull PL Series

A high quality, versatile and cost effective solution for challenging medical and industrial applications where miniaturized, lightweight and durable connectors are critical to operating performance.

ITT Cannon’s PL Series is a ‘Plastic Latching’ push pull connector that delivers the ultimate in performance when it matters most. Available in 2 to 14 way variants, with durability in excess of 2,000 mating cycles and with six keying options and seven color codings the PL Series is an extremely versatile solution for a wide variety of both disposable and reusable applications.

Cannon’s integrated cable assembly solutions combined with intermateability with existing push pull industry solutions ensures the PL Series is the ultimate choice for today’s critical applications.

The ITT Cannon Difference

• Global capabilities & local support
• Proven application expertise
• A century of interconnect leadership
• A committed innovator & business partner

Key Features

• Innovative self-latching mechanism enables quick and simple mating & un-mating
• Medical grade quality – lightweight and ruggedized
• Six keying and seven color coding options enables wide customization
• Available in 2 to 14 way variants
• Accommodates cable sizes ø 2.7 to 6.5mm
• Fully sterilizable – by gas or steam
• Value added cable assembly solutions available
• Intermateable with existing industry solutions

APPLICATION AREAS

MEDICAL

INDUSTRIAL
PL Series - How to order

Straight plug and inline receptacle

Push pull plastic
Straight plug
In-line receptacle
A1= straight plug with cable collet ---- solder contact
A3= straight plug with cable collet and nut for fitting a bend relief ---- solder contact
C1= In-line receptacle with cable collet ---- solder contact
C3= In-line receptacle with cable collet and nut for fitting a bend relief ---- solder contact

Outer shell material:
G= Grey PSU (standard)  F= Black PEI
B= Black PSU  P= Grey PEI

Back nut color:
0= Black  1= White  2= Red  4= Yellow  5= Green  6= Blue  8= Grey
For A3 and C3 the Back nut is only available in Grey (8)

For A3 and C3 type, please order bend relief separately.

Receptacle

Push pull plastic
Receptacle
B1= Receptacle with two nuts
(bacK panel mounting) ----solder contact
B3= Receptacle with two nuts,
(bacK panel mounting) ----with 90 degree
PCB contact
B4= Receptacle, front nut fixing ----solder contact

Outer shell material:
G= Grey PSU (standard)  F= Black PEI
B= Black PSU  P= Grey PEI

Front nut color:
0= Black  1= White  2= Red  4= Yellow
5= Green  6= Blue  8= Grey

Cable collet:
1= ø3.9mm (cable ø=2.7~3.9mm)
2= ø5.2mm (cable ø=4.0~5.2mm)
3= ø6.5mm (cable ø=5.3~6.5mm)

Contact plating:
2= Gold plating 20u"

Bend relief

Push pull plastic
Bend relief

Color:
0= Black  2= Red  3= White  4= Yellow
5= Green  6= Blue  8= Grey

Cable n (mm):
Min  Max
025  >2.5  3
030  >3.0  3.5
035  >3.5  4
040  >4.0  4.5
045  >4.5  5
050  >5.0  5.5
055  >5.5  6
060  >6.0  6.5

Why ITT

ITT is a focused, multi-industrial company that designs and manufactures highly engineered critical components and customized technology solutions. ITT Cannon is a leading global manufacturer of connector products serving international customers in the aerospace and defense, industrial and medical end markets. We design and engineer a variety of interconnect solutions that make it possible to transfer data.

Connect with your ITT Cannon representative today or visit us at www.ittcannon.com

USA
Phone: +1.800.854.3028

Europe
Italy
Phone: +39.02938721
Germany
Phone: +49.7151.699.0

Asia
Hong Kong
Phone: +852.2732.2720

Follow us

The "ITT Engineered Blocks" symbol, "Engineered for life", "ITT", "Cannon" and "Veam" are registered trademarks of ITT Inc.
Specification and other data are based on information available at the time of printing, and are subject to change without notice.

© 2020 ITT Inc.
ITT Cannon PL SS 0420