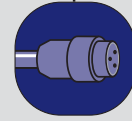# Data Line Tee

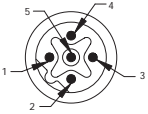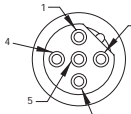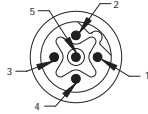• Provides bus connection to Profibus nodes

The Profibus Data LIne Tee provides network connection to Profibus enabled valves and other single port Profibus enabled devices. The single port drop enables "hot swap" capability, which allows you to disconnect a device without bringing the network down. The product's shielded design significantly reduces EMI and RFI while the line balancing inductors reduce signal reflection in the network. Maximum drop length should be considered when using this product.
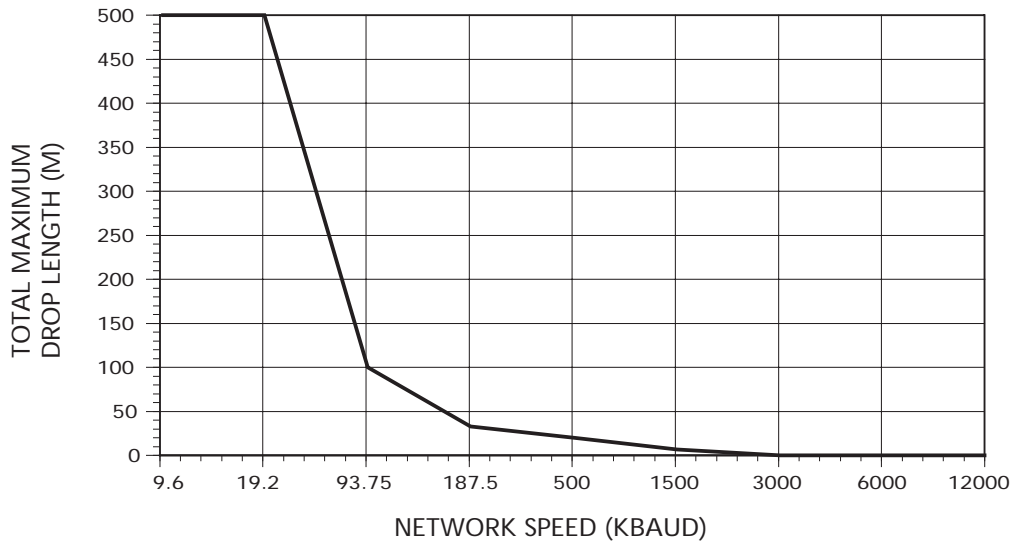
• Provides quick discon-
  nection of bus line
• Shielded to reduce
  EMI/RFI
• Allows disconnection of
  node without shutting
  down the network

Data Line Tee

BUS IN MALE FACE VIEW		BUS OUT FEMALE FACE VIEW		DROP BUS MALE FACE VIEW	
COLOR CODE	1- NOT USED 2- GREEN(BUS-A)		3- NOT USED 4- RED(BUS-B)	5- DRAIN	

FIGURE	SHIELDED DATA LINE TEE
1 AND 2	PDTS01

Recommended Use of Drop Lines

TOTAL MAXIMUM DROP LENGTH (M) vs NETWORK SPEED (KBAUD)

BradConnectivity™
from Woodhead Industries

MECHANICAL
CONTACT FACE: M/6
MOLDED BODY PVC
O-RING: VITON
COUPLING NUTS: NICKEL-PLATED BRASS
SHIELDING SLEEVES: NICKEL-PLATED BRASS

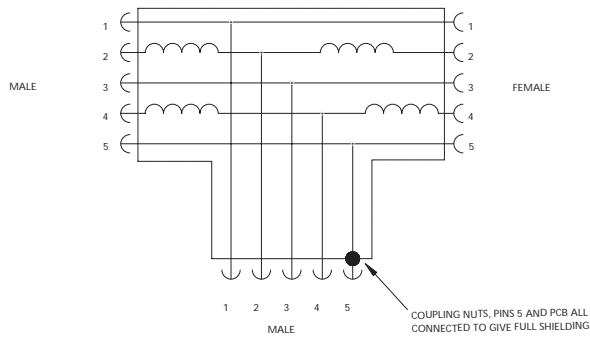**ELECTRICAL**
VOLTAGE RATING: 30V AC/ 36V D/C
CURRENT RATING: 4A

ENVIRONMENTAL
PROTECTION IP67 (I.E.C. 60529)
OPERATING TEMP: 77°C to 176°F (25° to 80°C)

GENERAL
COUPLING NUTS, PINS AND PCB ALL
CONNECTED TO PROVIDE FULL SHIELDING
REVERSE KEY FOR PROFIBUS CIRCUITRY
INCLUDES IN BALANCING INDUCTORS

SCHEMATICS

Shielded

COUPLING NUTS, PINS 5 AND PCB ALL
CONNECTED TO GIVE FULL SHIELDING

FIG1

DIMENSIONS

2.58" REF [65.5 mm]
1.40" REF [35.5 mm]
0.62" REF [15.6 mm]
0.90" REF [22.5 mm]
1.55" REF [39.0 mm]
ø0.25" [6.3 mm] MOUNTING HOLE
ALL COUPLING NUT THREADS-M12 X 1

FIG2