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TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

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Full-service, independent repair center
with experienced engineers and technicians on staff.

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so your equipment works exactly as you specify.

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- In stock / Ready-to-ship
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Expert team | Trust guarantee | 100% satisfaction

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Find the *Molex / Woodhead BTY800P-FBP-10* at our website: *Click HERE*

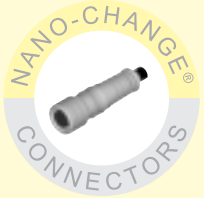
Micro-Change® Multi-Port Splitter Box Systems



- **Frees up skilled workforce for more demanding tasks, whilst reducing the risk of wiring errors and increasing factory throughput**
- **Quick disconnect solution enables installation or maintenance by semiskilled operators, especially when unscheduled down time occurs through device or cable failure.**
- **Twin I/O versions increases the density of control devices per unit with LED indication of power and signals for fast fault finding**
- **Unique choice of either top or side mounted I/O connections for compact or low profile installations, all provided in a robust design sealed waterproof up to IP68**







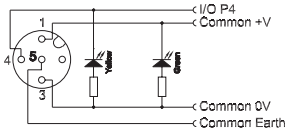




Micro-Change® (M12) Multi-Port Splitter Boxes

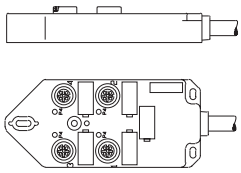
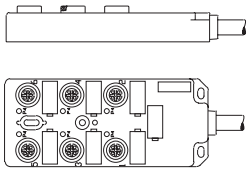
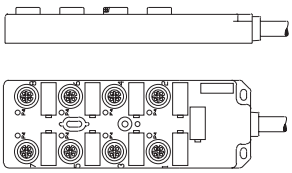


5 pole 4 Wire – Single I/O Top-Mount Multi-Ports



Function	Cable Colour	M23 Connector Pin No	Mini-Change Pin No	Function	Cable Colour	M23 Connector Pin No	Mini-Change Pin No
+V	Brown	11	10	Earth	Green/Yellow	12	9
0V	Blue	9 & 10	11				
Port 1 P4	White	1	1	Port 5 P4	Pink	5	5
Port 2 P4	Green	2	2	Port 6 P4	Red	6	6
Port 3 P4	Yellow	3	3	Port 7 P4	Black	7	7
Port 4 P4	Grey	4	4	Port 8 P4	Violet	8	8

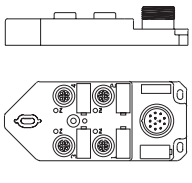
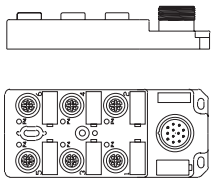
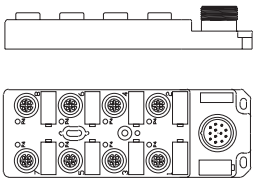
Integral Cable Entry

Cable	Length (m)	4 Port	6 Port	8 Port
				
PVC	5.0	BTY400P-FBE-05	BTY600P-FBE-05	BTY800P-FBE-05
	10.0	BTY400P-FBE-10	BTY600P-FBE-10	BTY800P-FBE-10
	20.0	BTY400P-FBE-20	BTY600P-FBE-20	BTY800P-FBE-20
PUR	5.0	BTY400P-FBP-05	BTY600P-FBP-05	BTY800P-FBP-05
	10.0	BTY400P-FBP-10	BTY600P-FBP-10	BTY800P-FBP-10
	20.0	BTY400P-FBP-20	BTY600P-FBP-20	BTY800P-FBP-20

Integral M23 12 Pole Home Run Connector



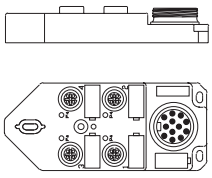
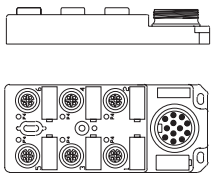
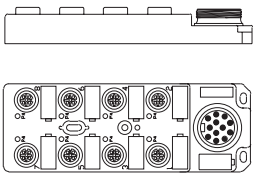
See top of page 19 for connectors

4 Port	6 Port	8 Port
		
BTY401P-FBC	BTY601P-FBC	BTY801P-FBC

Integral Mini-Change® 12 Pole Home Run Connector



See top of page 20 for connectors

4 Port	6 Port	8 Port
		
BTY401P-FBB	BTY601P-FBB	BTY801P-FBB

Standard: Power and single status LED per port, identification labels, two sealing caps
Options: NPN format LED indication, choice of cable see page 40 for more information

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Options

Multi-Port Splitter Box Matrix

B T Y 8 0 0 P - F B P - 0 5

Nano-Change® Multi-Ports
BEY - End Cable Entry
BNY - Top Cable Entry & Connector
Micro-Change® Multi-Ports
BTY - Top Mount
BSY - Side Mount

Number of Ports
4 - 4 Ports
6 - 6 Ports
8 - 8 Ports
A - 10 Ports

Wiring Configuration
00/01 - 5 Pole/4 Wire - Single I/O per port
03/05 - 5 Pole/5 Wire - Twin I/O per port
04 - 4 Pole/3 Wire - Single I/O per port - no earth

LED Configuration
P - PNP Format
N - NPN Format**
0 - No LEDs**

Length
05 - 5 metres
10 - 10 metres
20 - 20 metres

Termination Options

Pre-wired versions*
E - PVC Cable
P - PUR Cable
M - PUR/PVC Cable

Connectorised versions
B - Mini-Change® Connector
C - M16 or M23 Connector

Receptacle Material
FB - Standard
FX - Plastic**
FS - Stainless Steel**

Connect orMatrix

8 0 3 0 0 0 E 0 3 M 0 2 0

Options:

Not all are available on standard delivery terms, please consult our sales office before ordering

* Refer to cable specification and use code indicated in matrix above

**NPN or no LED indication, select from above part number matrixes, minimum order quantity 25 pieces for Connectors and 5 pieces for Multi-Ports

**Coupling materials and connector colour minimum quantities apply to all orders

**Choice of suppression and LED colour for mPm® product, please request separate catalogue

Connector Type

Nano-Change® M8 Snap
50 - Moulded Connector
55 - Nano Jumper
58 - Nano to Micro Jumper

Nano-Change® M8 Coupler
40 - Moulded Connector
44 - Nano Jumper
48 - Nano to Micro Jumper

Micro-Change® M12 Coupler
80 - Moulded Connector
88 - Micro Jumper
84 - Micro to Nano Jumper

mPm® DIN 43650 Jumpers
D4 - Form B (10mm) to Nano
E4 - Form A (18mm) to Nano
F4 - Form B (11mm) to Nano
G4 - Form C (9.4mm) to Nano
H4 - Form C (8.0mm) to Nano
D8 - Form B (10mm) to Micro
E8 - Form A (18mm) to Micro
F8 - Form B (11mm) to Micro
G8 - Form C (9.8mm) to Micro
H8 - Form C (8.0mm) to Micro

Cable ID No.*
E03 - Yellow PVC 0.34mm^2
P03 - Black PUR 0.34mm^2
S20 - Yellow SJTO type 0.34mm^2

Cable Length
M010 - 1.0 metres
M020 - 2.0 metres
M030 - 3.0 metres

Coupling Materials**
1 - Stainless Steel
5 - Plastic

Connector Colour**
A - Grey Head Moulding
G - Black Head Moulding

Head Configuration

Moulded Connectors
000 - Female Straight
001 - Female 90°
0N0 - Female Straight NPN LED**
0N1 - Female 90° NPN LED**
0P0 - Female Straight PNP LED
0P1 - Female 90° PNP LED
006 - Male Straight
007 - Male 90°

Jumpers - Basic Brad® Only
030 - Female Straight to Male Straight
031 - Female 90° to Male Straight
032 - Female Straight to Male 90°
033 - Female 90° to Male 90°
0P6 - Female Straight PNP LED to Male Straight
0P7 - Female 90° PNP LED to Male Straight
0P8 - Female Straight PNP LED to Male 90°
0P9 - Female 90° PNP LED to Male 90°

Number of Poles
3 - 3 Pole
4 - 4 Pole
5 - 5 Pole
8 - 8 Pole

Connector Specification

Series		40, 4R, 44, 50, 5R, 55	N03, N04	80, 8R, 88	8A	30		L0	K0
Product		Nano-Change®	Nano-Change®	Micro-Change®	Micro-Change®	Mini-Change®	mPm® DIN 43650	M16 Connector	M23 Connector
Connector Type		Moulded & Receptacles	Attachables	Moulded & Receptacles	Attachables	Moulded	Moulded & Attachable	Moulded	Moulded
Connector Size		M8 Coupler & Snap	M8 Coupler	M12 Coupler	M12 Coupler	1 1/8" UNF Coupler	Form A, B & C	M16 Coupler	M23 Coupler
Number of Poles		3 to 5	3 & 4	3, 4, 5 & 8	4 & 5	12 & 19	2 + earth	14	12 & 19
Contact Material	Female	Gold plated Brass	Gold plated Brass	Gold Plated Brass	Silver plated Brass	Gold plated Brass	Silver plated Brass	Gold plated Brass	Gold plated Brass
	Male	Gold plated Brass	Gold plated Brass	Gold plated Brass	Silver plated Brass	Gold plated Brass	n/a	n/a	Gold plated Brass
Insert Material		PUR	PA	PA	PA	PVC	PA (+G)	PPO	PUR
O-ring Material		Viton	Viton	Viton	Viton	n/a	Profiled NBR	EPDM - Rubber	NBR
Body Material		PVC	PA	PVC	PA	PVC	PP	PUR	PUR
Coupling Material		Nickel plated Brass	Nickel plated Brass	Epoxy Coated Zinc	Nickel plated Brass	Epoxy Coated Zinc	n/a	Aluminium	Nickel plated Brass
Voltage Rating	Standard	60 Vac/75 Vdc	60 Vac/75 Vdc	3, 4 & 5 pole - 250 Vac/300 Vdc 8 pole - 30 Vac/36 Vdc	4 pole - 250 Vac/300 Vdc 5 pole - 30 Vac/36 Vdc	600 Vac/dc	250 Vac/dc	150 Vac/dc	63 Vac/dc
	With LED	10 to 30 Vdc	n/a	10 to 30 Vdc	n/a	n/a	24 Vac/dc	n/a	n/a
Contact Current Rating		4 Amps	4 Amps	4 Amps	4 Amps	Ø 1.0mm - 4 Amps Ø 2.0mm - 13 Amps	Form A & B - 18 Amps Form C - 10 Amps	3 Amps	Ø 1.0mm - 6 Amps Ø 1.5mm - 12 Amps
Protection Class		IP67	IP67	IP68	IP68	IP68	IP65	IP67	IP67

Environmental Rating - IP68. To avoid confusion, we at Woodhead Connectivity have defined IP68 as immersion in water at a pressure of 100 pounds per square inch for a duration of one hour, and wash down at a pressure of 1000 pounds per square inch. When used with a mating pair of Brad Harrison® connectors.

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