

# Brad Harrison® Quick Designer's Guide

**W** Woodhead



**Off the shelf  
solutions from the leader  
in industrial connectivity**

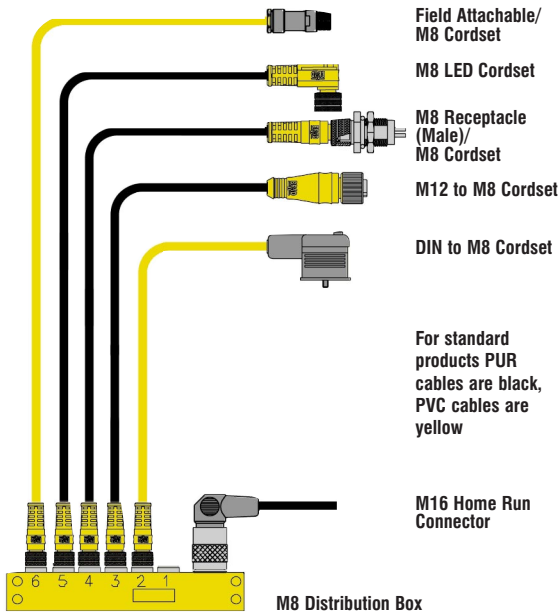
Part numbers printed in **bold** are available from stock



# M8 Connectivity Solutions

Brad Harrison®, the leading name in industrial connectivity for over 25 years, offers the broadest line of connectivity solutions for M8 sensors and controls. Machine builders and users have come to trust the Brad Harrison name as a symbol of performance and reliability in the harshest industrial automation applications.

- Unique distribution box design provides for vertical or horizontal mounting in any of 3 directions to fit specific applications
- Patented anti-vibration couplers maintain connection in dynamic, vibratory environments
- Distribution boxes and connectors are all sealed to IP67 standard for uninterrupted service in the harshest environments
- 4, 6, 8 and 10 port distribution boxes with cable or M16 home run connector provide the largest variety of M8 solutions available
- Standard lengths from stock and rapid response to special requirements provide customers the ultimate in design flexibility



Field Attachable/  
M8 Cordset

M8 LED Cordset

M8 Receptacle  
(Male)/  
M8 Cordset

M12 to M8 Cordset

DIN to M8 Cordset

For standard  
products PUR  
cables are black,  
PVC cables are  
yellow

M16 Home Run  
Connector

M8 Distribution Box

## Nano-Change® Distribution Boxes

### M8 Single I/O

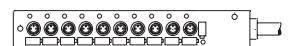
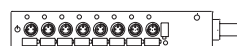
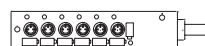
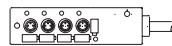
Integral End Cable Entry

4 Port

6 Port

8 Port

10 Port



Cable Length (m)

PUR

5.0

**BEY401P-FBP-05**

**BEY601P-FBP-05**

**BEY801P-FBP-05**

**BEYA01P-FBP-05**

10.0

**BEY401P-FBP-10**

**BEY601P-FBP-10**

**BEY801P-FBP-10**

**BEYA01P-FBP-10**

20.0

BEY401P-FBP-20

BEY601P-FBP-20

BEY801P-FBP-20

BEYA01P-FBP-20

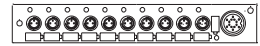
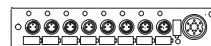
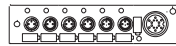
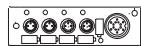
Integral M16 14 Pole Home Run Connector

4 Port

6 Port

8 Port

10 Port



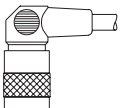
**BNY401P-FBC**

**BNY601P-FBC**

**BNY801P-FBC**

**BNYA01P-FBC**

Female 90°



PUR

5.0

L04301M78M050

L04201M78M050

L04101M78M050

**L04A01M78M050**

10.0

**L04301M78M100**

**L04201M78M100**

**L04101M78M100**

**L04A01M78M100**

20.0

L04301M78M200

L04201M78M200

L04101M78M200

L04A01P78M200

Female Straight



PUR

5.0

L04300M78M050

L04200M78M050

L04100M78M050

L04A00M78M050

10.0

L04300M78M100

L04200M78M100

L04100M78M100

L04A00M78M100

20.0

L04300M78M200

L04200M78M200

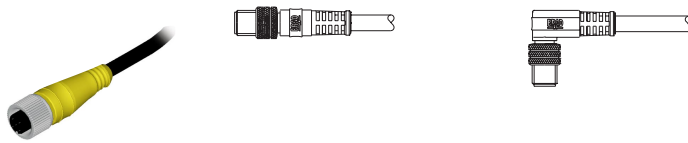
L04100M78M200

L04A00M78M200

M8 Twin I/O products are also available

# Nano-Change® Double Ended Cordsets

## Female M8 3 Pole to Male M8 3 Pole



Male M8 Straight

Male M8 90°

### Female Connector

Cable Length (m)

M8 Straight

PUR	0.6	44303P03M006	443032P03M006
	1.0	44303P03M010	443032P03M010
	2.0	44303P03M020	443032P03M020
	3.0	44303P03M030	443032P03M030

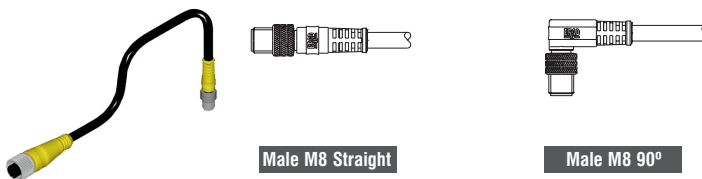
M8 90°

PUR	0.6	443031P03M006	443033P03M006
	1.0	443031P03M010	443033P03M010
	2.0	443031P03M020	443033P03M020
	3.0	443031P03M030	443033P03M030

M8 90° PNP LED

PUR	0.6	4430P7P03M006	4430P9P03M006
	1.0	4430P7P03M010	4430P9P03M010
	2.0	4430P7P03M020	4430P9P03M020
	3.0	4430P7P03M030	4430P9P03M030

## Female M12 3 Pole to Male M8 3 Pole



Male M8 Straight

Male M8 90°

### Female Connector

M12 Straight

Cable Length (m)

PUR	0.6	84303P03M006	843032P03M006
	1.0	84303P03M010	843032P03M010
	2.0	84303P03M020	843032P03M020
	3.0	84303P03M030	843032P03M030

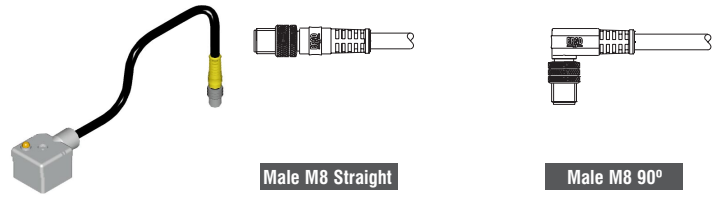
M12 90°

PUR	0.6	843031P03M006	843033P03M006
	1.0	843031P03M010	843033P03M010
	2.0	843031P03M020	843033P03M020
	3.0	843031P03M030	843033P03M030

M12 90° PNP LED

PUR	0.6	8430P7P03M006	8430P9P03M006
	1.0	8430P7P03M010	8430P9P03M010
	2.0	8430P7P03M020	8430P9P03M020
	3.0	8430P7P03M030	8430P9P03M030

## DIN Connector 43650 to Male M8 3 Pole



Male M8 Straight

Male M8 90°

### Female Connector

Cable Length (m)

Form A (18mm)  
2 pole + earth – 24 V LED & VDR

PUR	0.6	E430B0P12M006	E430B2P12M006
	1.0	E430B0P12M010	E430B2P12M010
	2.0	E430B0P12M020	E430B2P12M020
	3.0	E430B0P12M030	E430B2P12M030

Form B Ind (11mm)  
2 pole + 6 o'clock earth – 24 V LED & VDR

PUR	0.6	F430B0P12M006	F430B2P12M006
	1.0	F430B0P12M010	F430B2P12M010
	2.0	F430B0P12M020	F430B2P12M020
	3.0	F430B0P12M030	F430B2P12M030

Form B Ind (11mm)  
2 pole + 12 o'clock earth – 24 V LED & VDR

PUR	0.6	F430B1P12M006	F430B3P12M006
	1.0	F430B1P12M010	F430B3P12M010
	2.0	F430B1P12M020	F430B3P12M020
	3.0	F430B1P12M030	F430B3P12M030

Form B DIN (10mm)  
2 pole + 6 o'clock earth – 24 V LED & VDR

PUR	0.6	D430B0P12M006	D430B2P12M006
	1.0	D430B0P12M010	D430B2P12M010
	2.0	D430B0P12M020	D430B2P12M020
	3.0	D430B0P12M030	D430B2P12M030

Form B DIN (10mm)  
2 pole + 12 o'clock earth – 24 V LED & VDR

PUR	0.6	D430B1P12M006	D430B3P12M006
	1.0	D430B1P12M010	D430B3P12M010
	2.0	D430B1P12M020	D430B3P12M020
	3.0	D430B1P12M030	D430B3P12M030

Form C Ind (9.4mm)  
2 pole + earth – 24 V LED & VDR

PUR	0.6	G430B0P12M006	G430B2P12M006
	1.0	G430B0P12M010	G430B2P12M010
	2.0	G430B0P12M020	G430B2P12M020
	3.0	G430B0P12M030	G430B2P12M030

Form C DIN (8mm)  
2 pole + earth – 24 V LED & VDR

PUR	0.6	H430B0P12M006	H430B2P12M006
	1.0	H430B0P12M010	H430B2P12M010
	2.0	H430B0P12M020	H430B2P12M020
	3.0	H430B0P12M030	H430B2P12M030

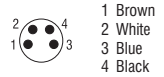
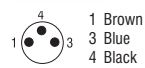
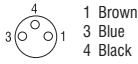


This Quick Designer's Guide provides information on popular parts with which typical connectivity solutions can be built. To obtain information on the full Brad Harrison® range or to discuss your application please contact us or visit our website [www.woodhead.com](http://www.woodhead.com) where you will find our electronic catalogue.

# Nano-Change® Single Ended Cordsets



Part numbers printed in **bold** are available from stock



## Female Connector

3 Pole

4 Pole

Cable Length (m)

### M8 Straight

PVC	2.0	<b>403000E03M020</b>	<b>404000E03M020</b>
	5.0	<b>403000E03M050</b>	<b>404000E03M050</b>
	10.0	<b>403000E03M100</b>	<b>404000E03M100</b>
PUR	2.0	<b>403000P03M020</b>	<b>404000P03M020</b>
	5.0	<b>403000P03M050</b>	<b>404000P03M050</b>
	10.0	<b>403000P03M100</b>	<b>404000P03M100</b>

### M8 90°

PVC	2.0	<b>403001E03M020</b>	<b>404001E03M020</b>
	5.0	<b>403001E03M050</b>	<b>404001E03M050</b>
	10.0	<b>403001E03M100</b>	<b>404001E03M100</b>
PUR	2.0	<b>403001P03M020</b>	<b>404001P03M020</b>
	5.0	<b>403001P03M050</b>	<b>404001P03M050</b>
	10.0	<b>403001P03M100</b>	<b>404001P03M100</b>

### M8 90° PNP LED

PVC	2.0	<b>4030P1E03M020</b>
	5.0	<b>4030P1E03M050</b>
	10.0	<b>4030P1E03M100</b>
PUR	2.0	<b>4030P1P03M020</b>
	5.0	<b>4030P1P03M050</b>
	10.0	<b>4030P1P03M100</b>

## Male Connector

3 Pole

4 Pole

Cable Length (m)

### M8 Straight

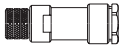
PVC	2.0	<b>403006E03M020</b>	<b>404006E03M020</b>
	5.0	<b>403006E03M050</b>	404006E03M050
	10.0	<b>403006E03M100</b>	404006E03M100
PUR	2.0	403006P03M020	404006P03M020
	5.0	403006P03M050	404006P03M050
	10.0	403006P03M100	404006P03M100

### M8 90°

PVC	2.0	403007E03M020	404007E03M020
	5.0	403007E03M050	404007E03M050
	10.0	403007E03M100	404007E03M100
PUR	2.0	403007P03M020	404007P03M020
	5.0	403007P03M050	404007P03M050
	10.0	403007P03M100	404007P03M100

# Nano-Change® Field Attachable Connectors

## Female Attachable

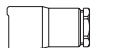


M8 Straight

3 Pole

4 Pole

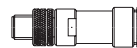
Termination Solder	<b>N03FA03124</b>	<b>N04FA03124</b>
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M8 90°

Solder	<b>N03FA04124</b>	N04FA04124
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## Male Attachable



M8 Straight

3 Pole

4 Pole

Termination Screw Solder	<b>N03MA03134</b>	<b>N04MA03134</b>
Solder	N03MA03124	N04MA03124

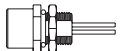


M8 90°

Solder	<b>N03MA04124</b>	<b>N04MA04124</b>
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# Nano-Change® Receptacles

## Female Receptacle



M8 Mounting Thread

3 Pole

4 Pole

Wire length (mm)	<b>4R3F30E02C3003</b>	<b>4R4F30E02C3003</b>
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## Male Receptacle



M8 Mounting Thread

3 Pole

4 Pole

Wire length (mm)	<b>4R3F06E02C3003</b>	<b>4R4F06E02C3003</b>
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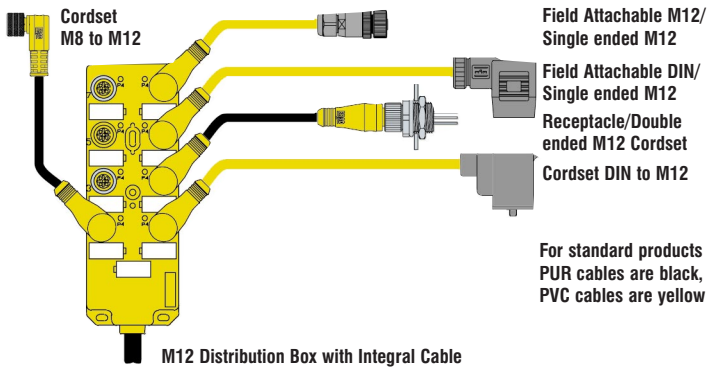


# M12 Connectivity Solutions

Part numbers printed in **bold** are available from stock



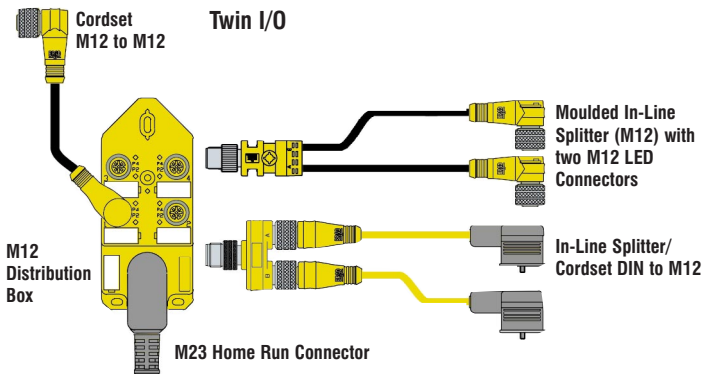
## Single I/O



For over 25 years, the Brad Harrison® Micro-Change® product line has provided machine builders and users alike with proven performance and reliability in the harshest industrial environments.

- The Brad® Micro-Change family of connectors provides the broadest set of M12 solutions available on the market
- 4, 6 and 8 port single or dual wired distribution boxes provide the machine builder with the flexibility he needs to do the job right
- Choose pre-cabled or connectorized distribution boxes to suit your needs or use your own cable with the field attachable distribution boxes
- Distribution boxes and connectors are sealed to IP67/68 standard for uninterrupted service in the harshest environments
- Patented anti-vibration couplers maintain connection in dynamic, vibratory environments
- Application specific cables and cordsets allow the user to choose the connection system that is right for his particular environment, ensuring years of uninterrupted service

## Twin I/O



## Micro-Change® Distribution Boxes

### M12 4 Pole – Single I/O

Integral Cable Entry			
	4 Port	6 Port	8 Port
Cable Length (m)			
PUR 5.0	<b>BTY400P-FBP-05</b>	<b>BTY600P-FBP-05</b>	<b>BTY800P-FBP-05</b>
10.0	<b>BTY400P-FBP-10</b>	<b>BTY600P-FBP-10</b>	<b>BTY800P-FBP-10</b>
20.0	BTY400P-FBP-20	BTY600P-FBP-20	BTY800P-FBP-20

### M12 5 Pole – Twin I/O

Integral Cable Entry			
	4 Port	6 Port	8 Port
Cable Length (m)			
PUR 5.0	<b>BTY405P-FBP-05</b>	<b>BTY605P-FBP-05</b>	<b>BTY805P-FBP-05</b>
10.0	<b>BTY405P-FBP-10</b>	<b>BTY605P-FBP-10</b>	<b>BTY805P-FBP-10</b>
20.0	BTY405P-FBP-20	BTY605P-FBP-20	BTY805P-FBP-20

### Integral M23 12 Pole Home Run Connector

	4 Port	6 Port	8 Port
	<b>BTY401P-FBC</b>	<b>BTY601P-FBC</b>	<b>BTY801P-FBC</b>

### Integral M23 19 Pole Home Run Connector

	4 Port	6 Port	8 Port
	<b>BTY403P-FBC</b>	<b>BTY603P-FBC</b>	<b>BTY803P-FBC</b>

### M23 90°

PUR 5.0	K02301P80M050	K02201P80M050	K02101P80M050
10.0	<b>K02301P80M100</b>	<b>K02201P80M100</b>	<b>K02101P80M100</b>
20.0	K02301P80M200	K02201P80M200	K02101P80M200

### M23 90°

PUR 5.0	K03301P80M050	K03201P80M050	<b>K03001P80M050</b>
10.0	<b>K03301P80M100</b>	<b>K03201P80M100</b>	<b>K03001P80M100</b>
20.0	K03301P80M200	K03201P80M200	<b>K03001P80M200</b>

### M23 Straight

PUR 5.0	K02300P80M050	K02200P80M050	K02100P80M050
10.0	K02300P80M100	K02200P80M100	K02100P80M100
20.0	K02300P80M200	K02200P80M200	K02100P80M200

### M23 Straight

PUR 5.0	K03300P80M050	K03200P80M050	<b>K03000P80M050</b>
10.0	K03300P80M100	K03200P80M100	<b>K03000P80M100</b>
20.0	K03300P80M200	K03200P80M200	<b>K03000P80M200</b>

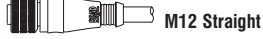
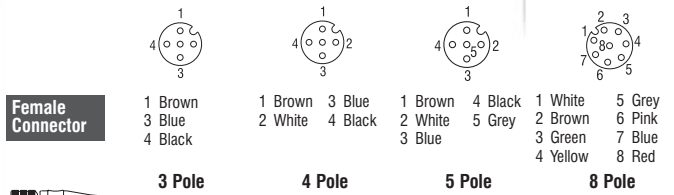


### Field Attachables

	4 Port	6 Port	8 Port
	<b>BTY403P-FBA</b>	<b>BTY603P-FBA</b>	<b>BTY803P-FBA</b>

Part numbers printed in **bold** are available from stock

## Micro-Change® Single Ended Connectors



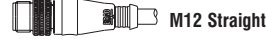
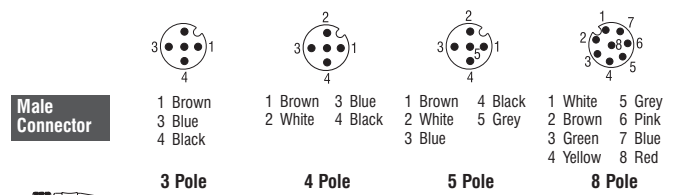
Cable Length (m)		3 Pole	4 Pole	5 Pole	8 Pole
PVC	2.0	<b>803000E03M020</b>	<b>804000E03M020</b>	<b>805000E03M020</b>	
	5.0	<b>803000E03M050</b>	<b>804000E03M050</b>	<b>805000E03M050</b>	
	10.0	<b>803000E03M100</b>	<b>804000E03M100</b>	<b>805000E03M100</b>	
PUR	2.0	<b>803000P03M020</b>	<b>804000P03M020</b>	<b>805000P03M020</b>	<b>808000P02M020</b>
	5.0	<b>803000P03M050</b>	<b>804000P03M050</b>	<b>805000P03M050</b>	<b>808000P02M050</b>
	10.0	<b>803000P03M100</b>	<b>804000P03M100</b>	<b>805000P03M100</b>	<b>808000P02M100</b>



Cable Length (m)		3 Pole	4 Pole	5 Pole	8 Pole
PVC	2.0	<b>803001E03M020</b>	<b>804001E03M020</b>	<b>805001E03M020</b>	
	5.0	<b>803001E03M050</b>	<b>804001E03M050</b>	<b>805001E03M050</b>	
	10.0	<b>803001E03M100</b>	<b>804001E03M100</b>	<b>805001E03M100</b>	
PUR	2.0	<b>803001P03M020</b>	<b>804001P03M020</b>	<b>805001P03M020</b>	<b>808001P02M020</b>
	5.0	<b>803001P03M050</b>	<b>804001P03M050</b>	<b>805001P03M050</b>	<b>808001P02M050</b>
	10.0	<b>803001P03M100</b>	<b>804001P03M100</b>	<b>805001P03M100</b>	<b>808001P02M100</b>



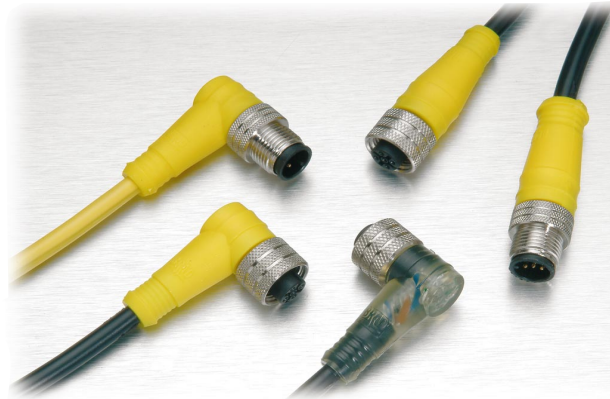
Cable Length (m)		3 Pole	4 Pole
PVC	2.0	<b>8030P1E03M020</b>	<b>8040P1E03M020</b>
	5.0	<b>8030P1E03M050</b>	<b>8040P1E03M050</b>
	10.0	<b>8030P1E03M100</b>	<b>8040P1E03M100</b>
PUR	2.0	<b>8030P1P03M020</b>	<b>8040P1P03M020</b>
	5.0	<b>8030P1P03M050</b>	<b>8040P1P03M050</b>
	10.0	<b>8030P1P03M100</b>	<b>8040P1P03M100</b>



Cable Length (m)		3 Pole	4 Pole	5 Pole	8 Pole
PVC	2.0	<b>803006E03M020</b>	<b>804006E03M020</b>	<b>805006E03M020</b>	
	5.0	<b>803006E03M050</b>	<b>804006E03M050</b>	<b>805006E03M050</b>	
	10.0	<b>803006E03M100</b>	<b>804006E03M100</b>	<b>805006E03M100</b>	
PUR	2.0	<b>803006P03M020</b>	<b>804006P03M020</b>	<b>805006P03M020</b>	<b>808006P02M020</b>
	5.0	<b>803006P03M050</b>	<b>804006P03M050</b>	<b>805006P03M050</b>	<b>808006P02M050</b>
	10.0	<b>803006P03M100</b>	<b>804006P03M100</b>	<b>805006P03M100</b>	<b>808006P02M100</b>



Cable Length (m)		3 Pole	4 Pole	5 Pole	8 Pole
PVC	2.0	<b>803007E03M020</b>	<b>804007E03M020</b>	<b>805007E03M020</b>	
	5.0	<b>803007E03M050</b>	<b>804007E03M050</b>	<b>805007E03M050</b>	
	10.0	<b>803007E03M100</b>	<b>804007E03M100</b>	<b>805007E03M100</b>	
PUR	2.0	<b>803007P03M020</b>	<b>804007P03M020</b>	<b>805007P03M020</b>	<b>808007P02M020</b>
	5.0	<b>803007P03M050</b>	<b>804007P03M050</b>	<b>805007P03M050</b>	<b>808007P02M050</b>
	10.0	<b>803007P03M100</b>	<b>804007P03M100</b>	<b>805007P03M100</b>	<b>808007P02M100</b>



## Micro-Change® Field Attachable Connectors

### Female Attachables

Cable dia		Termination	4 Pole	5 Pole
2.5 - 6.5	Screw		<b>8A4000-315</b>	<b>8A5000-315</b>
			<b>8A4000-325</b>	<b>8A5000-325</b>

Cable dia		Termination	4 Pole	5 Pole
2.5 - 6.5	Screw		<b>8A4001-315</b>	<b>8A5001-315</b>

### Male Attachables

Cable dia		Termination	4 Pole	5 Pole
2.5 - 6.5	Screw		<b>8A4006-315</b>	<b>8A5006-315</b>
			<b>8A4006-325</b>	<b>8A5006-325</b>

Cable dia		Termination	4 Pole	5 Pole
2.5 - 6.5	Screw		<b>8A4007-315</b>	<b>8A5007-315</b>

## Micro-Change® Receptacles

### Female Panel Mount

Wire length (mm)		4 Pole	5 Pole	8 Pole
M14	300.0	<b>8R4E30E03C3003</b>	<b>8R5E30E03C3003</b>	<b>8R8E30E03C3003</b>
PG9	300.0	<b>8R4J30E03C3003</b>	<b>8R5J30E03C3003</b>	<b>8R8J30E03C3003</b>

### Male Panel Mount

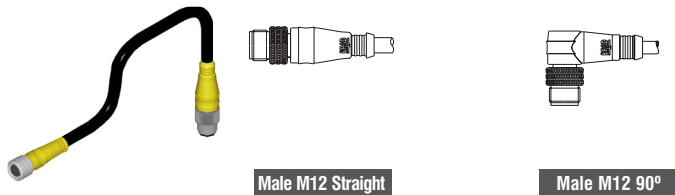
Wire length (mm)		4 Pole	5 Pole	8 Pole
M14	300.0	<b>8R4E36E03C3003</b>	<b>8R5E36E03C3003</b>	<b>8R8E36E03C3003</b>
PG9	300.0	<b>8R4J36E03C3003</b>	<b>8R5J36E03C3003</b>	<b>8R8J36E03C3003</b>

### Male Short Sensor Mount

Wire length (mm)		4 Pole	5 Pole
M20	300.0	<b>8R4M26E03C3003</b>	<b>8R5M26E03C3003</b>
PG13.5	300.0	<b>8R4D26E03C3003</b>	<b>8R5D26E03C3003</b>

## Micro-Change® Double Ended Cordsets

### Female M12 4 Pole to Male M12 4 Pole



#### Female Connector

Cable Length (m)

#### M12 Straight

PUR	0.6	<b>884030P03M006</b>	884032P03M006
	1.0	<b>884030P03M010</b>	884032P03M010
	2.0	<b>884030P03M020</b>	884032P03M020
	3.0	<b>884030P03M030</b>	884032P03M030

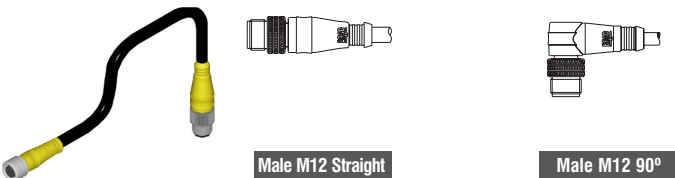
#### M12 90°

PUR	0.6	<b>884031P03M006</b>	884033P03M006
	1.0	<b>884031P03M010</b>	884033P03M010
	2.0	<b>884031P03M020</b>	884033P03M020
	3.0	<b>884031P03M030</b>	884033P03M030

#### M12 90° PNP LED

PUR	0.6	8840P7P03M006	8840P9P03M006
	1.0	8840P7P03M010	8840P9P03M010
	2.0	8840P7P03M020	8840P9P03M020
	3.0	8840P7P03M030	8840P9P03M030

### Female M8 3 Pole to Male M12 3 Pole



#### Female Connector

Cable Length (m)

#### M8 Straight

PUR	0.6	<b>483030P03M006</b>	483032P03M006
	1.0	<b>483030P03M010</b>	483032P03M010
	2.0	<b>483030P03M020</b>	483032P03M020
	3.0	<b>483030P03M030</b>	483032P03M030

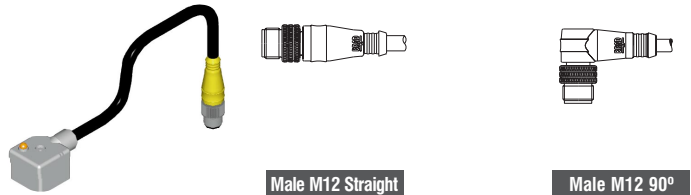
#### M8 90°

PUR	0.6	483031P03M006	483033P03M006
	1.0	483031P03M010	483033P03M010
	2.0	483031P03M020	483033P03M020
	3.0	483031P03M030	483033P03M030

#### M8 90° PNP LED

PUR	0.6	<b>4830P7P03M006</b>	4830P9P03M006
	1.0	<b>4830P7P03M010</b>	4830P9P03M010
	2.0	<b>4830P7P03M020</b>	4830P9P03M020
	3.0	<b>4830P7P03M030</b>	4830P9P03M030

### DIN Connector 43650 to Male M12 3 Pole



#### Female Connector

Cable Length (m)

#### Form A (18mm) 2 pole + earth – 24 V LED & VDR

PUR	0.6	<b>E850B0P12M006</b>	E850B2P12M006
	1.0	<b>E850B0P12M010</b>	E850B2P12M010
	2.0	<b>E850B0P12M020</b>	E850B2P12M020
	3.0	<b>E850B0P12M030</b>	E850B2P12M030

#### Form B Ind (11mm) 2 pole + 12 o'clock earth – 24 V LED & VDR

PUR	0.6	F850B1P12M006	F850B3P12M006
	1.0	F850B1P12M010	F850B3P12M010
	2.0	F850B1P12M020	F850B3P12M020
	3.0	F850B1P12M030	F850B3P12M030

#### Form B Ind (11mm) 2 pole + 6 o'clock earth – 24 V LED & VDR

PUR	0.6	F850B0P12M006	F850B2P12M006
	1.0	F850B0P12M010	F850B2P12M010
	2.0	F850B0P12M020	F850B2P12M020
	3.0	F850B0P12M030	F850B2P12M030

#### Form B DIN (10mm) 2 pole + 12 o'clock earth – 24 V LED & VDR

PUR	0.6	D850B1P12M006	D850B3P12M006
	1.0	D850B1P12M010	D850B3P12M010
	2.0	D850B1P12M020	D850B3P12M020
	3.0	D850B1P12M030	D850B3P12M030

#### Form B DIN (10mm) 2 pole + 6 o'clock earth – 24 V LED & VDR

PUR	0.6	D850B0P12M006	D850B2P12M006
	1.0	D850B0P12M010	D850B2P12M010
	2.0	D850B0P12M020	D850B2P12M020
	3.0	D850B0P12M030	D850B2P12M030

#### Form C DIN (8mm) 2 pole + earth – 24 V LED & VDR

PUR	0.6	H850B0P12M006	H850B2P12M006
	1.0	H850B0P12M010	H850B2P12M010
	2.0	H850B0P12M020	H850B2P12M020
	3.0	H850B0P12M030	H850B2P12M030

#### Form C Ind (9.4mm) 2 pole + earth – 24 V LED & VDR

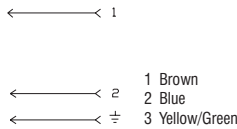
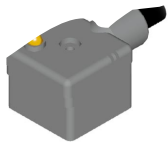
PUR	0.6	G850B0P12M006	G850B2P12M006
	1.0	G850B0P12M010	G850B2P12M010
	2.0	G850B0P12M020	G850B2P12M020
	3.0	G850B0P12M030	G850B2P12M030

## Micro-Change® In-Line Splitters

<b>Female</b>		<b>Male</b>	
<b>Female</b>			
		<b>No LEDs</b>	<b>With 3 LEDs</b>
Standard (Nickel Plated Brass Coupling nuts)		<b>884A30</b>	<b>884AP0</b>
Automotive (Teflon Coated Coupling Nuts)		<b>DW81590</b>	<b>884AP0-7</b>

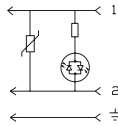
# mPm® DIN 43650 Connectors

Part numbers printed in **bold** are available from stock

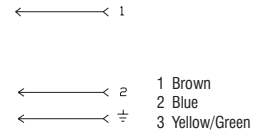


**Moulded Connector**

No circuit

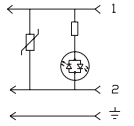


AC/DC  
24 V VDR & LED



**Attachable Connector**

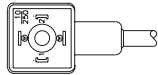
No circuit



AC/DC  
24 V VDR & LED

Screw Terminal

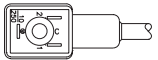
Cable Length (m)



**Form A (18mm) 2 pole + earth**

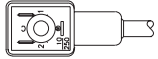
PVC	3.0	<b>E152N2N30011</b>	<b>E452N2N30011C4H</b>
	5.0	E152N2N50011	E452N2N50011C4H
	10.0	E152N2N10K11	E452N2N10K11C4H
PUR/PVC	3.0	E152P2N30011	E452P2N30011C4H
	5.0	E152P2N50011	E452P2N50011C4H
	10.0	E152P2N10K11	E452P2N10K11C4H

**Form B Ind (11mm) 2 pole + 12 o'clock earth**



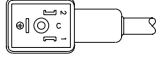
PVC	3.0	E162N2N30021	E462N2N30021C4H
	5.0	E162N2N50021	E462N2N50021C4H
	10.0	E162N2N10K21	E462N2N10K21C4H
PUR/PVC	3.0	E162P2N30021	E462P2N30021C4H
	5.0	E162P2N50021	E462P2N50021C4H
	10.0	E162P2N10K21	E462P2N10K21C4H

**Form B Ind (11mm) 2 pole + 6 o'clock earth**



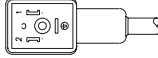
PVC	3.0	E162N2N30061	E462N2N30061C4H
	5.0	E162N2N50061	E462N2N50061C4H
	10.0	E162N2N10K61	E462N2N10K61C4H
PUR/PVC	3.0	E162P2N30061	E462P2N30061C4H
	5.0	E162P2N50061	E462P2N50061C4H
	10.0	E162P2N10K61	E462P2N10K61C4H

**Form B DIN (10mm) 2 pole + 12 o'clock earth**



PVC	3.0	E072N2N30021	E472N2N30021C4H
	5.0	E072N2N50021	E472N2N50021C4H
	10.0	E072N2N10K21	E472N2N10K21C4H
PUR/PVC	3.0	E072P2N30021	E472P2N30021C4H
	5.0	E072P2N50021	E472P2N50021C4H
	10.0	E072P2N10K21	E472P2N10K21C4H

**Form B DIN (10mm) 2 pole + 6 o'clock earth**



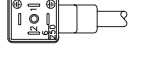
PVC	3.0	E072N2N30061	E472N2N30061C4H
	5.0	E072N2N50061	E472N2N50061C4H
	10.0	E072N2N10K61	E472N2N10K61C4H
PUR/PVC	3.0	E072P2N30061	E472P2N30061C4H
	5.0	E072P2N50061	E472P2N50061C4H
	10.0	E072P2N10K61	E472P2N10K61C4H

**Form C DIN (8.0mm) 2 pole + earth**



PVC	3.0	<b>E432N2N30011</b>	<b>E492N2N30011C4H</b>
	5.0	E432N2N50011	E492N2N50011C4H
	10.0	E432N2N10K11	E492N2N10K11C4H
PUR/PVC	3.0	E432P2N30011	E492P2N30011C4H
	5.0	E432P2N50011	E492P2N50011C4H
	10.0	E432P2N10K11	E492P2N10K11C4H

**Form C Ind (9.4mm) 2 pole + earth**



PVC	3.0	<b>E332N2N30011</b>	<b>E392N2N30011C4H</b>
	5.0	E332N2N50011	E392N2N50011C4H
	10.0	E332N2N10K11	E392N2N10K11C4H
PUR/PVC	3.0	E332P2N30011	E392P2N30011C4H
	5.0	E332P2N50011	E392P2N50011C4H
	10.0	E332P2N10K11	E392P2N10K11C4H

Cable diameter



**Form A (18mm) 2 pole + earth**

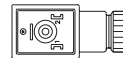
6 – 8mm	<b>C18209N21</b>	<b>S18209TC421</b>
8 – 10mm	<b>C18211N21</b>	S18211TC421

**Form B Ind (11mm) 2 pole + earth**



4 – 6mm	<b>C12207N21</b>	S02207TC421
6 – 8mm	<b>C12209N21</b>	<b>S02209TC421</b>

**Form B DIN (10mm) 2 pole + earth**



4 – 6mm	C62207N21	S62207TC421
6 – 8mm	C62209N21	S62209TC421

**Form C DIN (8.0mm) 2 pole + earth**



4 – 6mm	<b>C05207N62</b>	S05207TC422
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**Form C Ind (9.4mm) 2 pole + earth**



4 – 6mm	<b>C19207N62</b>	<b>S19207TC422</b>
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