

Brad[®]
from Woodhead Industries

BradConnectivity[™] SELECTION GUIDE

DISTRIBUTION BOXES

CORDSETS

RECEPTACLES

FIELD ATTACHABLES

ACCESSORIES

EUROPE 09/2007

Brad®

from Woodhead Industries

YOUR PARTNER FOR INNOVATION AND PERFORMANCE

Woodhead Industries, a Division of Molex, Empowers the Industrial Infrastructure with innovative industrial communication, control and connectivity solutions for a wide range of applications. Woodhead manufactures and distributes products and solutions worldwide, with dedicated local support to meet specific customer requirements.

The Brad® Brand of Automation Products - Designed for Performance and Reliability

Woodhead's reputation for quality and performance starts here. As automation technologies continue to improve the consistency, quality and cost of products manufactured throughout the world, Woodhead is at the forefront. To stay ahead of the game, market leaders are focused on increasing productivity through reduced downtime, reduced maintenance and higher output. With over 100,000 part numbers, no other company offers more connectivity products than Brad. As a result, Woodhead's Brad products have become the industry standard in automation solutions.

BradConnectivity™ connectors, cordsets and distribution boxes for sensor and actuator applications were designed to meet our customers' requirements and are built industrial-tough to ensure flexibility, interoperability and rock-solid performance. Our BradConnectivity™ solutions include:



Nano-Change® (M8) Connectivity

The industry's broadest selection of spacesaving cordsets, receptacles, inserts, splitters and moulded junction boxes. They provide rugged performance in tight spaces while minimizing downtime, maintenance and wiring time.

Micro-Change® (M12) Connectivity

When space and time are in short supply, Micro-Change (M12) connectivity provides compact migration towards soft-wiring solutions. These industry standard connectors are available in single and dual keyways for a myriad of network and I/O applications.

Mini-Change® Connectivity

The industry's first quick-disconnect alternative to hardwiring, commonly used with 18 and 30mm proximity switches, photoelectric sensors and limit switches as well as for network I/O-power connection.

The complete line of Brad Automated Solutions includes:

BradCommunications™ - Network interface cards, PLC backplanes, switches, gateways, simulation software, diagnostic tools and embedded software stacks

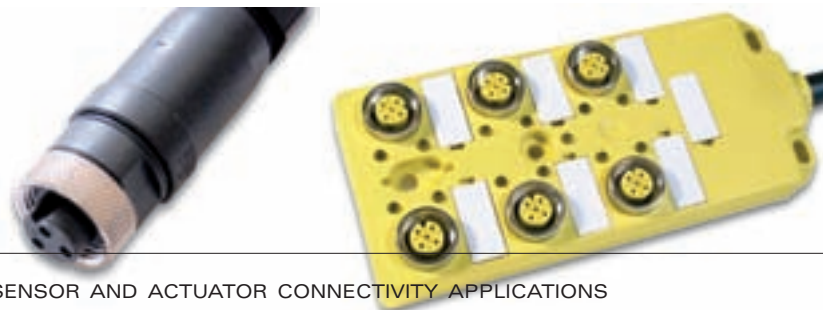
BradConnectivity™ - Connectors, cordsets and distribution boxes for sensor, actuator and bus network applications

BradControl™ - Network I/O for on-machine and in-cabinet applications

BradPower™ - Modular wiring systems for machine power distribution and motor control

Woodhead Industries, a Division of Molex, operates from 21 locations in 10 countries spanning North America, Europe and Asia/Pacific, so we have the resources to assist you locally with all of your project needs.

BradConnectivity™



CONNECTORS, CORDSETS AND DISTRIBUTION BOXES FOR SENSOR AND ACTUATOR CONNECTIVITY APPLICATIONS

NANO-CHANGE® (M8) - CONNECTIVITY

Nano-Change® (M8) Distribution Boxes



- 4, 6, 8 and 10 port distribution boxes
- Moulded cable or home run connector
- Single and dual I/O versions
- Vertical or horizontal mounting

Characteristics

- Consolidates wiring, simplifies installation and reduces costs
- Fully potted housing ensures performance in vibration and fluids
- Rugged IP67 (IP68 cabled) rating designed to withstand harsh industrial environment
- Metal receptacle shells provide mechanical protection and eliminate cross-threading

Nano-Change® (M8) Cordsets



- Single and double ended cordsets
- 3, 4 and 5 pole
- Threaded and snap versions
- Male and female, straight and 90°
- Optional LED indication
- Standard and application-specific lengths

Characteristics

- IP67/68 (threaded) and IP67 (snap) rated for harsh environment
- Patented anti-vibration feature prevents back-out in high vibration applications

Nano-Change® (M8) Receptacles / Field Attachables / Accessories



Receptacles:

- 3, 4 and 5 pole
- Wire leads and PCB mount versions
- Male and female
- Front panel mount and back panel mount

Field Attachables:

- 3 and 4 pole
- Male and female, straight and 90°

Accessories:

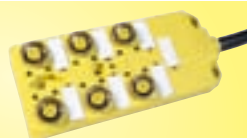
- Splitters and adapters

Characteristics

- Epoxy potted receptacles for rugged industrial environments
- IP67/68 (threaded) and IP67 (snap) rated for harsh environment

MICRO-CHANGE® (M12) - CONNECTIVITY

Micro-Change® (M12) Distribution Boxes



- 4, 6 and 8 port distribution boxes
- Moulded cable, home run connector or field attachable versions
- Single and dual I/O versions

Characteristics

- Gives more efficiency and flexibility when wiring complex systems with high-density I/O points
- Rugged IP67 (IP68 cabled) rating designed to withstand harsh industrial environment
- Fully potted housing ensures performance in vibration and fluids
- Metal receptacle shells provide mechanical protection and eliminate cross-threading

Micro-Change® (M12) Cordsets



- Single and double ended cordsets
- 3, 4, 5 and 8 pole
- Male and female, straight and 90°
- Shielded and unshielded
- Optional LED indication
- Standard and application-specific lengths

Characteristics

- Wide range of wiring solutions from proximity switches to rotary encoders in harsh environments
- IP67/68 rated cordsets for harsh environment
- Patented anti-vibration feature prevents back-out in high vibration applications

Micro-Change® (M12) Receptacles / Field Attachables / Accessories



Receptacles:

- 3, 4, 5 and 8 pole
- Wire leads and PCB mount
- Male and female
- Front panel mount and back panel mount

Field Attachables:

- 4 and 5 pole
- Male and female, straight and 90°

Accessories:

- Splitters and adapters

Characteristics

- Field attachable connectors accept a wide range of cables for maximum installation flexibility
- IP67/68 rated for harsh environment

MINI-CHANGE® - CONNECTIVITY

Mini-Change® Distribution Boxes



- 4, 6 and 8 port distribution boxes
- Moulded cable or home run connector
- 3 pole parallel wiring with and without LED
- 5 pole solenoid and limit switch wiring

Characteristics

- Eliminates wiring errors and reduces maintenance costs
- Rugged IP67 (IP68 cabled) rating designed to withstand harsh industrial environment
- Fully potted housing ensures performance in vibration and fluids
- Metal receptacle shells provide mechanical protection and eliminate cross-threading

Mini-Change® Cordsets



- Single and double ended cordsets
- 3, 4 and 5 pole
- Male and female, straight and 90°
- Standard and application-specific lengths
- 6 to 19 pole connectors available

Characteristics

- IP67/IP68 rated cordsets for harsh environment
- Higher ampere connector used in limit switch, valve and sensor applications
- Patented anti-vibration feature prevents back-out in high vibration applications

Mini-Change® Receptacles / Field Attachables



Receptacles:

- 3, 4 and 5 pole
- Male and female wire leads
- Front panel mount

Field Attachables:

- 3, 4 and 5 pole
- Male and female

Characteristics

- Allow a maximum flexibility in connecting device nodes
- Rugged IP67/68 rated connectors for continued connection integrity in harsh environment

BradConnectivity™

THE RIGHT CABLE FOR YOUR APPLICATION



Selecting the right cable for your application is very important to ensure a reliable, problem-free installation. Careful consideration of mechanical abrasion, fluid/chemical exposure, flexibility (C-track, torsion), temperature resistance and flame retardancy requirements is required to select the cable that will provide performance and reliability in service. BradConnectivity™ offers a complete range of cables, including five standard cable types satisfying most applications and over 400+ application-specific cables for special performance requirements. In all cases, Brad cordsets are available in standard and non-standard lengths.

BradConnectivity™ PVC, PUR and TPE cordsets are manufactured with higher performance materials and include UL/CSA approvals to ensure compatibility with both European and North American market requirements.

If you need assistance selecting the right cable, please contact our Technical Support team at your local Woodhead office.

Application Area	Characteristics	Standard cable color
PVC Light Industrial Environment  For use in packaging machines, assembly and production lines in static or less demanding environments	- UL/CSA approved - Good chemical resistance - Fair resistance to abrasion - Fair oil and lubricants resistance - Inexpensive cable solution	Black
PUR/PVC More robust environment For use in assembly and production lines such as machine tools and metal-cutting production requiring higher mechanical and chemical resistance	- Good abrasion resistance - Good resistance to oils and chemicals - Flexible use in several areas - Limited usability in drag chains	Black
PUR Demanding environments  For use in machine tools, swivel tables and metal-cutting production with harsh fluid, mechanical or continuous flex requirements	- UL/CSA approved - Very good resistance to oils, chemicals and coolants - High abrasion resistance - Halogen free, flame retardant - Drag chain suitability (slower motion)	Black
TPE Continuous flex/demanding areas  For use in robots, special welding robots, high speed drag chains, machine tools, assembly lines, metal cutting manufacturing	- UL/CSA approved - Very good weld slag resistance - High temperature resistance (+105°C) - High abrasion resistance - High flex life, min. 10 million cycles bend & torsion	Yellow
PUR - Irradiated Extremely demanding areas For use in welding robots, machine tools and metal cutting manufacturing with extreme mechanical and temperature requirements and fluid contact	- Excellent temperature resistance (+105°C) - Resistant against welding sparks - Excellent abrasion resistance - Halogen free, flame retardant - Good flex life (drag chain and torsional)	Orange





M8 DISTRIBUTION BOXES - Order Number

3-POLE SINGLE I/O NANO-CHANGE® (M8) DISTRIBUTION BOXES					
	Length (m)	MOULDED CABLE		HOME RUN CONNECTOR	
		HORIZONTAL	VERTICAL	M16	
4 Port	CABLE				
		PUR/PVC	PUR/PVC		
	5.0	BEY401P-FBP-05	BNY401P-FBP-05	-	
	10.0	BEY401P-FBP-10	BNY401P-FBP-10	-	BNY401P-FBC
		-	-		
6 Port	CABLE				
		PUR/PVC	PUR/PVC		
	5.0	BEY601P-FBP-05	BNY601P-FBP-05	-	
	10.0	BEY601P-FBP-10	BNY601P-FBP-10	-	BNY601P-FBC
		-	-		
8 Port	CABLE				
		PUR/PVC	PUR/PVC		
	5.0	BEY801P-FBP-05	BNY801P-FBP-05	-	
	10.0	BEY801P-FBP-10	BNY801P-FBP-10	-	BNY801P-FBC
		-	-		
10 Port	CABLE				
		PUR/PVC	PUR/PVC		
	5.0	BEYA01P-FBP-05	BNYA01P-FBP-05	-	
	10.0	BEYA01P-FBP-10	BNYA01P-FBP-10	-	BNYA01P-FBC
		-	-		

4-POLE DUAL I/O NANO-CHANGE® (M8) DISTRIBUTION BOXES					
	Length (m)	MOULDED CABLE		HOME RUN CONNECTOR	
		HORIZONTAL	VERTICAL	M16	
4 Port	CABLE				
		PUR/PVC	PUR/PVC		
	5.0	BEY403P-FBP-05	BNY403P-FBP-05	-	
	10.0	BEY403P-FBP-10	BNY403P-FBP-10	-	BNY403P-FBC
		-	-		
6 Port	CABLE				
		PUR/PVC	PUR/PVC		
	5.0	BEY603P-FBP-05	BNY603P-FBP-05	-	
	10.0	BEY603P-FBP-10	BNY603P-FBP-10	-	BNY603P-FBC
		-	-		
8 Port	CABLE				
		PUR/PVC	PUR/PVC		
	5.0	BEY803P-FBP-05	BNY803P-FBP-05	-	
	10.0	BEY803P-FBP-10	BNY803P-FBP-10	-	
		-	-		
10 Port	CABLE				
		PUR/PVC	PUR/PVC		
	5.0	BEYA03P-FBP-05	BNYA03P-FBP-05	-	
	10.0	BEYA03P-FBP-10	BNYA03P-FBP-10	-	
		-	-		



CONNECTORS, CORDSETS AND DISTRIBUTION BOXES FOR SENSOR AND ACTUATOR CONNECTIVITY APPLICATIONS

HOME RUN CORDSETS FOR M8 DISTRIBUTION BOXES - Order Number

M16 HOME RUN CORDSETS FOR NANO-CHANGE® (M8) SINGLE I/O DISTRIBUTION BOXES

For use with Distribution Box:	Length (m)	FEMALE STRAIGHT		FEMALE 90°	
		CABLE	PUR/PVC	CABLE	PUR/PVC
4 Port BNY401P-FBC	5.0		L04300P78M050		L04301P78M050
	10.0		L04300P78M100		L04301P78M100
6 Port BNY601P-FBC	5.0		L04200P78M050		L04201P78M050
	10.0		L04200P78M100		L04201P78M100
8 Port BNY801P-FBC	5.0		L04100P78M050		L04101P78M050
	10.0		L04100P78M100		L04101P78M100
10 Port BNYA01P-FBC	5.0		L04A00P78M050		L04A01P78M050
	10.0		L04A00P78M100		L04A01P78M100

M16 HOME RUN CORDSETS FOR NANO-CHANGE® (M8) DUAL I/O DISTRIBUTION BOXES

For use with Distribution Box:	Length (m)	FEMALE STRAIGHT		FEMALE 90°	
		CABLE	PUR/PVC	CABLE	PUR/PVC
4 Port BNY403P-FBC	5.0		L04400P78M050		L04401P78M050
	10.0		L04400P78M100		L04401P78M100
6 Port BNY603P-FBC	5.0		L04000P78M100		L04001P78M050
	10.0		L04000P78M050		L04001P78M100

M8 CORDSETS - Order Number

NANO-CHANGE® (M8) SINGLE-ENDED CORDSETS

Length (m)	CABLE	FEMALE STRAIGHT			FEMALE 90°		
		PVC	PUR/PVC	PUR	PVC	PUR/PVC	PUR
 3 Pole	2.0	403000E02M020	403000P02M020	403000H08M020	403001E02M020	403001P02M020	403001H08M020
	4.0	403000E02M040	403000P02M040	403000H08M040	403001E02M040	403001P02M040	403001H08M040
	5.0	403000E02M050	403000P02M050	403000H08M050	403001E02M050	403001P02M050	403001H08M050
	6.0	403000E02M060	403000P02M060	403000H08M060	403001E02M060	403001P02M060	403001H08M060
	10.0	403000E02M100	403000P02M100	403000H08M100	403001E02M100	403001P02M100	403001H08M100
 4 Pole	2.0	404000E02M020	404000P02M020	404000H08M020	404001E02M020	404001P02M020	404001H08M020
	4.0	404000E02M040	404000P02M040	404000H08M040	404001E02M040	404001P02M040	404001H08M040
	5.0	404000E02M050	404000P02M050	404000H08M050	404001E02M050	404001P02M050	404001H08M050
	6.0	404000E02M060	404000P02M060	404000H08M060	404001E02M060	404001P02M060	404001H08M060
	10.0	404000E02M100	404000P02M100	404000H08M100	404001E02M100	404001P02M100	404001H08M100
 5 Pole	2.0	405000E02M020	405000P02M020	405000H08M020	405001E02M020	405001P02M020	405001H08M020
	4.0	405000E02M040	405000P02M040	405000H08M040	405001E02M040	405001P02M040	405001H08M040
	5.0	405000E02M050	405000P02M050	405000H08M050	405001E02M050	405001P02M050	405001H08M050
	6.0	405000E02M060	405000P02M060	405000H08M060	405001E02M060	405001P02M060	405001H08M060
	10.0	405000E02M100	405000P02M100	405000H08M100	405001E02M100	405001P02M100	405001H08M100
FEMALE PNP LED 90°							
 3 Pole	2.0	4030P1E02M020	4030P1P02M020	4030P1H08M020			
	4.0	4030P1E02M040	4030P1P02M040	4030P1H08M040			
	5.0	4030P1E02M050	4030P1P02M050	4030P1H08M050			
	6.0	4030P1E02M060	4030P1P02M060	4030P1H08M060			
	10.0	4030P1E02M100	4030P1P02M100	4030P1H08M100			
MALE STRAIGHT							
 3 Pole	2.0	403006E02M020	403006P02M020	403006H08M020	403007E02M020	403007P02M020	403007H08M020
	4.0	403006E02M040	403006P02M040	403006H08M040	403007E02M040	403007P02M040	403007H08M040
	5.0	403006E02M050	403006P02M050	403006H08M050	403007E02M050	403007P02M050	403007H08M050
	6.0	403006E02M060	403006P02M060	403006H08M060	403007E02M060	403007P02M060	403007H08M060
	10.0	403006E02M100	403006P02M100	403006H08M100	403007E02M100	403007P02M100	403007H08M100
 4 Pole	2.0	404006E02M020	404006P02M020	404006H08M020	404007E02M020	404007P02M020	404007H08M020
	4.0	404006E02M040	404006P02M040	404006H08M040	404007E02M040	404007P02M040	404007H08M040
	5.0	404006E02M050	404006P02M050	404006H08M050	404007E02M050	404007P02M050	404007H08M050
	6.0	404006E02M060	404006P02M060	404006H08M060	404007E02M060	404007P02M060	404007H08M060
	10.0	404006E02M100	404006P02M100	404006H08M100	404007E02M100	404007P02M100	404007H08M100
 5 Pole	2.0	405006E02M020	405006P02M020	405006H08M020	405007E02M020	405007P02M020	405007H08M020
	4.0	405006E02M040	405006P02M040	405006H08M040	405007E02M040	405007P02M040	405007H08M040
	5.0	405006E02M050	405006P02M050	405006H08M050	405007E02M050	405007P02M050	405007H08M050
	6.0	405006E02M060	405006P02M060	405006H08M060	405007E02M060	405007P02M060	405007H08M060
	10.0	405006E02M100	405006P02M100	405006H08M100	405007E02M100	405007P02M100	405007H08M100

Options: NPN format LED indication, choice of cable and coupling materials



CONNECTORS, CORDSETS AND DISTRIBUTION BOXES FOR SENSOR AND ACTUATOR CONNECTIVITY APPLICATIONS

M8 CORDSETS - Order Number

NANO-CHANGE® (M8) DOUBLE-ENDED CORDSETS									
Length (m)	CABLE	FEMALE STRAIGHT / MALE STRAIGHT			FEMALE STRAIGHT / MALE 90°				
		PVC	PUR/PVC	PUR	PVC	PUR/PVC	PUR		
3 Pole	0.6	443030E02M006	443030P02M006	443030H08M006	443032E02M006	443032P02M006	443032H08M006		
	1.0	443030E02M010	443030P02M010	443030H08M010	443032E02M010	443032P02M010	443032H08M010		
	2.0	443030E02M020	443030P02M020	443030H08M020	443032E02M020	443032P02M020	443032H08M020		
	3.0	443030E02M030	443030P02M030	443030H08M030	443032E02M030	443032P02M030	443032H08M030		
	4.0	443030E02M040	443030P02M040	443030H08M040	443032E02M040	443032P02M040	443032H08M040		
	5.0	443030E02M050	443030P02M050	443030H08M050	443032E02M050	443032P02M050	443032H08M050		
	10.0	443030E02M100	443030P02M100	443030H08M100	443032E02M100	443032P02M100	443032H08M100		
4 Pole	0.6	444030E02M006	444030P02M006	444030H08M006	444032E02M006	444032P02M006	444032H08M006		
	1.0	444030E02M010	444030P02M010	444030H08M010	444032E02M010	444032P02M010	444032H08M010		
	2.0	444030E02M020	444030P02M020	444030H08M020	444032E02M020	444032P02M020	444032H08M020		
	3.0	444030E02M030	444030P02M030	444030H08M030	444032E02M030	444032P02M030	444032H08M030		
	4.0	444030E02M040	444030P02M040	444030H08M040	444032E02M040	444032P02M040	444032H08M040		
	5.0	444030E02M050	444030P02M050	444030H08M050	444032E02M050	444032P02M050	444032H08M050		
	10.0	444030E02M100	444030P02M100	444030H08M100	444032E02M100	444032P02M100	444032H08M100		
	CABLE	FEMALE 90° / MALE STRAIGHT			FEMALE 90° / MALE 90°				
		PVC	PUR/PVC	PUR	PVC	PUR/PVC	PUR		
3 Pole	0.6	443031E02M006	443031P02M006	443031H08M006	443033E02M006	443033P02M006	443033H08M006		
	1.0	443031E02M010	443031P02M010	443031H08M010	443033E02M010	443033P02M010	443033H08M010		
	2.0	443031E02M020	443031P02M020	443031H08M020	443033E02M020	443033P02M020	443033H08M020		
	3.0	443031E02M030	443031P02M030	443031H08M030	443033E02M030	443033P02M030	443033H08M030		
	4.0	443031E02M040	443031P02M040	443031H08M040	443033E02M040	443033P02M040	443033H08M040		
	5.0	443031E02M050	443031P02M050	443031H08M050	443033E02M050	443033P02M050	443033H08M050		
	10.0	443031E02M100	443031P02M100	443031H08M100	443033E02M100	443033P02M100	443033H08M100		
4 Pole	0.6	444031E02M006	444031P02M006	444031H08M006	444033E02M006	444033P02M006	444033H08M006		
	1.0	444031E02M010	444031P02M010	444031H08M010	444033E02M010	444033P02M010	444033H08M010		
	2.0	444031E02M020	444031P02M020	444031H08M020	444033E02M020	444033P02M020	444033H08M020		
	3.0	444031E02M030	444031P02M030	444031H08M030	444033E02M030	444033P02M030	444033H08M030		
	4.0	444031E02M040	444031P02M040	444031H08M040	444033E02M040	444033P02M040	444033H08M040		
	5.0	444031E02M050	444031P02M050	444031H08M050	444033E02M050	444033P02M050	444033H08M050		
	10.0	444031E02M100	444031P02M100	444031H08M100	444033E02M100	444033P02M100	444033H08M100		
	CABLE	FEMALE PNP LED 90° / MALE STRAIGHT			FEMALE PNP LED 90° / MALE 90°				
		PVC	PUR/PVC	PUR	PVC	PUR/PVC	PUR		
3 Pole	0.6	4430P7E02M006	4430P7P02M006	4430P7H08M006	4430P9E02M006	4430P9P02M006	4430P9H08M006		
	1.0	4430P7E02M010	4430P7P02M010	4430P7H08M010	4430P9E02M010	4430P9P02M010	4430P9H08M010		
	2.0	4430P7E02M020	4430P7P02M020	4430P7H08M020	4430P9E02M020	4430P9P02M020	4430P9H08M020		
	3.0	4430P7E02M030	4430P7P02M030	4430P7H08M030	4430P9E02M030	4430P9P02M030	4430P9H08M030		
	4.0	4430P7E02M040	4430P7P02M040	4430P7H08M040	4430P9E02M040	4430P9P02M040	4430P9H08M040		
	5.0	4430P7E02M050	4430P7P02M050	4430P7H08M050	4430P9E02M050	4430P9P02M050	4430P9H08M050		
	10.0	4430P7E02M100	4430P7P02M100	4430P7H08M100	4430P9E02M100	4430P9P02M100	4430P9H08M100		

Options: NPN format LED indication, choice of cable and coupling materials



CONNECTORS, CORDSETS AND DISTRIBUTION BOXES FOR SENSOR AND ACTUATOR CONNECTIVITY APPLICATIONS

M8 TO M12 CORDSETS - Order Number

NANO-CHANGE® (M8) TO MICRO-CHANGE® (M12) DOUBLE-ENDED CORDSETS									
Length (m)	CABLE	MALE STRAIGHT / FEMALE STRAIGHT			MALE 90° / FEMALE STRAIGHT				
		PVC	PUR/PVC	PUR	PVC	PUR/PVC	PUR		
3 Pole	0.6	843030E02M006	843030P02M006	843030H08M006	843032E02M006	843032P02M006	843032H08M006		
	1.0	843030E02M010	843030P02M010	843030H08M010	843032E02M010	843032P02M010	843032H08M010		
	2.0	843030E02M020	843030P02M020	843030H08M020	843032E02M020	843032P02M020	843032H08M020		
	3.0	843030E02M030	843030P02M030	843030H08M030	843032E02M030	843032P02M030	843032H08M030		
	4.0	843030E02M040	843030P02M040	843030H08M040	843032E02M040	843032P02M040	843032H08M040		
	5.0	843030E02M050	843030P02M050	843030H08M050	843032E02M050	843032P02M050	843032H08M050		
	10.0	843030E02M100	843030P02M100	843030H08M100	843032E02M100	843032P02M100	843032H08M100		
4 Pole	0.6	844030E02M006	844030P02M006	844030H08M006	844032E02M006	844032P02M006	844032H08M006		
	1.0	844030E02M010	844030P02M010	844030H08M010	844032E02M010	844032P02M010	844032H08M010		
	2.0	844030E02M020	844030P02M020	844030H08M020	844032E02M020	844032P02M020	844032H08M020		
	3.0	844030E02M030	844030P02M030	844030H08M030	844032E02M030	844032P02M030	844032H08M030		
	4.0	844030E02M040	844030P02M040	844030H08M040	844032E02M040	844032P02M040	844032H08M040		
	5.0	844030E02M050	844030P02M050	844030H08M050	844032E02M050	844032P02M050	844032H08M050		
	10.0	844030E02M100	844030P02M100	844030H08M100	844032E02M100	844032P02M100	844032H08M100		
3 Pole	0.6	843031E02M006	843031P02M006	843031H08M006	843033E02M006	843033P02M006	843033H08M006		
	1.0	843031E02M010	843031P02M010	843031H08M010	843033E02M010	843033P02M010	843033H08M010		
	2.0	843031E02M020	843031P02M020	843031H08M020	843033E02M020	843033P02M020	843033H08M020		
	3.0	843031E02M030	843031P02M030	843031H08M030	843033E02M030	843033P02M030	843033H08M030		
	4.0	843031E02M040	843031P02M040	843031H08M040	843033E02M040	843033P02M040	843033H08M040		
	5.0	843031E02M050	843031P02M050	843031H08M050	843033E02M050	843033P02M050	843033H08M050		
	10.0	843031E02M100	843031P02M100	843031H08M100	843033E02M100	843033P02M100	843033H08M100		
4 Pole	0.6	844031E02M006	844031P02M006	844031H08M006	844033E02M006	844033P02M006	844033H08M006		
	1.0	844031E02M010	844031P02M010	844031H08M010	844033E02M010	844033P02M010	844033H08M010		
	2.0	844031E02M020	844031P02M020	844031H08M020	844033E02M020	844033P02M020	844033H08M020		
	3.0	844031E02M030	844031P02M030	844031H08M030	844033E02M030	844033P02M030	844033H08M030		
	4.0	844031E02M040	844031P02M040	844031H08M040	844033E02M040	844033P02M040	844033H08M040		
	5.0	844031E02M050	844031P02M050	844031H08M050	844033E02M050	844033P02M050	844033H08M050		
	10.0	844031E02M100	844031P02M100	844031H08M100	844033E02M100	844033P02M100	844033H08M100		
3 Pole	0.6	8430P6E02M006	8430P6P02M006	8430P6H08M006	8430P8E02M006	8430P8P02M006	8430P8H08M006		
	1.0	8430P6E02M010	8430P6P02M010	8430P6H08M010	8430P8E02M010	8430P8P02M010	8430P8H08M010		
	2.0	8430P6E02M020	8430P6P02M020	8430P6H08M020	8430P8E02M020	8430P8P02M020	8430P8H08M020		
	3.0	8430P6E02M030	8430P6P02M030	8430P6H08M030	8430P8E02M030	8430P8P02M030	8430P8H08M030		
	4.0	8430P6E02M040	8430P6P02M040	8430P6H08M040	8430P8E02M040	8430P8P02M040	8430P8H08M040		
	5.0	8430P6E02M050	8430P6P02M050	8430P6H08M050	8430P8E02M050	8430P8P02M050	8430P8H08M050		
	10.0	8430P6E02M100	8430P6P02M100	8430P6H08M100	8430P8E02M100	8430P8P02M100	8430P8H08M100		
4 Pole	0.6	8440P6E02M006	8440P6P02M006	8440P6H08M006	8440P8E02M006	8440P8P02M006	8440P8H08M006		
	1.0	8440P6E02M010	8440P6P02M010	8440P6H08M010	8440P8E02M010	8440P8P02M010	8440P8H08M010		
	2.0	8440P6E02M020	8440P6P02M020	8440P6H08M020	8440P8E02M020	8440P8P02M020	8440P8H08M020		
	3.0	8440P6E02M030	8440P6P02M030	8440P6H08M030	8440P8E02M030	8440P8P02M030	8440P8H08M030		
	4.0	8440P6E02M040	8440P6P02M040	8440P6H08M040	8440P8E02M040	8440P8P02M040	8440P8H08M040		
	5.0	8440P6E02M050	8440P6P02M050	8440P6H08M050	8440P8E02M050	8440P8P02M050	8440P8H08M050		
	10.0	8440P6E02M100	8440P6P02M100	8440P6H08M100	8440P8E02M100	8440P8P02M100	8440P8H08M100		

Options: NPN format LED indication, choice of cable and coupling materials



CONNECTORS, CORDSETS AND DISTRIBUTION BOXES FOR SENSOR AND ACTUATOR CONNECTIVITY APPLICATIONS

M8 TO M12 CORDSETS - Order Number

NANO-CHANGE® (M8) TO MICRO-CHANGE® (M12) DOUBLE-ENDED CORDSETS									
Length (m)	CABLE	MALE STRAIGHT / FEMALE PNP LED 90°			MALE 90° / FEMALE PNP LED 90°				
		PVC	PUR/PVC	PUR	PVC	PUR/PVC	PUR		
3 Pole	0.6	8430P7E02M006	8430P7P02M006	8430P7H08M006	8430P9E02M006	8430P9P02M006	8430P9H08M006		
	1.0	8430P7E02M010	8430P7P02M010	8430P7H08M010	8430P9E02M010	8430P9P02M010	8430P9H08M010		
	2.0	8430P7E02M020	8430P7P02M020	8430P7H08M020	8430P9E02M020	8430P9P02M020	8430P9H08M020		
	3.0	8430P7E02M030	8430P7P02M030	8430P7H08M030	8430P9E02M030	8430P9P02M030	8430P9H08M030		
	4.0	8430P7E02M040	8430P7P02M040	8430P7H08M040	8430P9E02M040	8430P9P02M040	8430P9H08M040		
	5.0	8430P7E02M050	8430P7P02M050	8430P7H08M050	8430P9E02M050	8430P9P02M050	8430P9H08M050		
4 Pole	10.0	8430P7E02M100	8430P7P02M100	8430P7H08M100	8430P9E02M100	8430P9P02M100	8430P9H08M100		
	0.6	8440P7E02M006	8440P7P02M006	8440P7H08M006	8440P9E02M006	8440P9P02M006	8440P9H08M006		
	1.0	8440P7E02M010	8440P7P02M010	8440P7H08M010	8440P9E02M010	8440P9P02M010	8440P9H08M010		
	2.0	8440P7E02M020	8440P7P02M020	8440P7H08M020	8440P9E02M020	8440P9P02M020	8440P9H08M020		
	3.0	8440P7E02M030	8440P7P02M030	8440P7H08M030	8440P9E02M030	8440P9P02M030	8440P9H08M030		
	4.0	8440P7E02M040	8440P7P02M040	8440P7H08M040	8440P9E02M040	8440P9P02M040	8440P9H08M040		
	5.0	8440P7E02M050	8440P7P02M050	8440P7H08M050	8440P9E02M050	8440P9P02M050	8440P9H08M050		
	10.0	8440P7E02M100	8440P7P02M100	8440P7H08M100	8440P9E02M100	8440P9P02M100	8440P9H08M100		

M8 SNAP CORDSETS - Order Number

NANO-CHANGE® (M8) SNAP SINGLE-ENDED CORDSETS									
Length (m)	CABLE	FEMALE STRAIGHT			FEMALE 90°				
		PVC	PUR/PVC	PUR	PVC	PUR/PVC	PUR		
3 Pole	2.0	503000E02M020	503000P02M020	503000H08M020	503001E02M020	503001P02M020	503001H08M020		
	4.0	503000E02M040	503000P02M040	503000H08M040	503001E02M040	503001P02M040	503001H08M040		
	5.0	503000E02M050	503000P02M050	503000H08M050	503001E02M050	503001P02M050	503001H08M050		
	6.0	503000E02M060	503000P02M060	503000H08M060	503001E02M060	503001P02M060	503001H08M060		
	10.0	503000E02M100	503000P02M100	503000H08M100	503001E02M100	503001P02M100	503001H08M100		
4 Pole	2.0	504000E02M020	504000P02M020	504000H08M020	504001E02M020	504001P02M020	504001H08M020		
	4.0	504000E02M040	504000P02M040	504000H08M040	504001E02M040	504001P02M040	504001H08M040		
	5.0	504000E02M050	504000P02M050	504000H08M050	504001E02M050	504001P02M050	504001H08M050		
	6.0	504000E02M060	504000P02M060	504000H08M060	504001E02M060	504001P02M060	504001H08M060		
	10.0	504000E02M100	504000P02M100	504000H08M100	504001E02M100	504001P02M100	504001H08M100		
5 Pole	2.0	505000E02M020	505000P02M020	505000H08M020	505001E02M020	505001P02M020	505001H08M020		
	4.0	505000E02M040	505000P02M040	505000H08M040	505001E02M040	505001P02M040	505001H08M040		
	5.0	505000E02M050	505000P02M050	505000H08M050	505001E02M050	505001P02M050	505001H08M050		
	6.0	505000E02M060	505000P02M060	505000H08M060	505001E02M060	505001P02M060	505001H08M060		
	10.0	505000E02M100	505000P02M100	505000H08M100	505001E02M100	505001P02M100	505001H08M100		
Length (m)	CABLE	FEMALE PNP LED 90°			MALE STRAIGHT				
		PVC	PUR/PVC	PUR	PVC	PUR/PVC	PUR		
3 Pole	2.0	5030P1E02M020	5030P1P02M020	5030P1H08M020	503006E02M020	503006P02M020	503006H08M020		
	4.0	5030P1E02M040	5030P1P02M040	5030P1H08M040	503006E02M040	503006P02M040	503006H08M040		
	5.0	5030P1E02M050	5030P1P02M050	5030P1H08M050	503006E02M050	503006P02M050	503006H08M050		
	6.0	5030P1E02M060	5030P1P02M060	5030P1H08M060	503006E02M060	503006P02M060	503006H08M060		
	10.0	5030P1E02M100	5030P1P02M100	5030P1H08M100	503006E02M100	503006P02M100	503006H08M100		
4 Pole	2.0	504006E02M020	504006P02M020	504006H08M020	504006E02M020	504006P02M020	504006H08M020		
	4.0	504006E02M040	504006P02M040	504006H08M040	504006E02M040	504006P02M040	504006H08M040		
	5.0	504006E02M050	504006P02M050	504006H08M050	504006E02M050	504006P02M050	504006H08M050		
	6.0	504006E02M060	504006P02M060	504006H08M060	504006E02M060	504006P02M060	504006H08M060		
	10.0	504006E02M100	504006P02M100	504006H08M100	504006E02M100	504006P02M100	504006H08M100		

Options: NPN format LED indication, choice of cable and coupling materials



CONNECTORS, CORDSETS AND DISTRIBUTION BOXES FOR SENSOR AND ACTUATOR CONNECTIVITY APPLICATIONS

M8 RECEPTACLES - Order Number

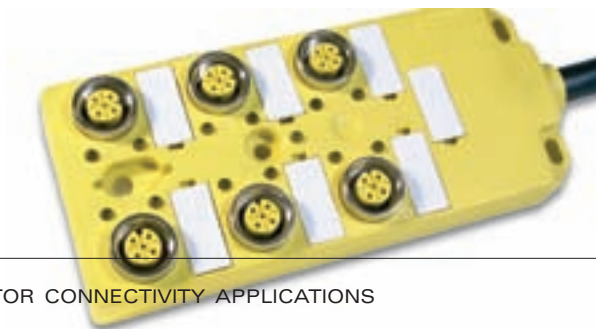
	Wire Length (mm)	FRONT PANEL MOUNT	BACK PANEL MOUNT			Wire Length (mm)	FRONT PANEL MOUNT	BACK PANEL MOUNT	
		<u>FEMALE M8x0.5 MOUNTING</u> <u>THREAD W/LEADS</u>	<u>FEMALE M12x1 MOUNTING</u> <u>THREAD W/LEADS</u>	<u>FEMALE M12x1 MOUNTING</u> <u>THREAD PCB</u>			<u>MALE M8x0.5 MOUNTING</u> <u>THREAD W/LEADS</u>	<u>MALE M8x1 MOUNTING</u> <u>THREAD W/LEADS</u>	<u>MALE M8x1 MOUNTING</u> <u>THREAD PCB</u>
3 Pole	300.0 n/a	4R3F30E02C300 -	4R3L40E02C300 -	- 4R3L40001	3 Pole	300.0 n/a	4R3F06E02C300 -	4R3F46E02C300 -	- 4R3F46000
4 Pole	300.0 n/a	4R4F30E02C300 -	4R4L40E02C300 -	- 4R4L40001	4 Pole	300.0 n/a	4R4F06E02C300 -	4R4F46E02C300 -	- 4R4F46000
5 Pole	300.0 n/a	4R5F30E02C300 -	4R5L40E02C300 -	- 4R5L40001	5 Pole	300.0 n/a	4R5F06E02C300 -	4R5F46E02C300 -	- 4R5F46000

M8 FIELD ATTACHABLE CONNECTORS - Order Number

		<u>FEMALE STRAIGHT ATTACHABLE</u>	<u>FEMALE 90° ATTACHABLE</u>			<u>MALE STRAIGHT ATTACHABLE</u>	<u>MALE 90° ATTACHABLE</u>
3 Pole	Solder	N03FA03124	N03FA04124	3 Pole	Screw Solder	N03MA03134 N03MA03124	- N03MA04124
4 Pole	Solder	N04FA03124	N04FA04124	4 Pole	Screw Solder	N04MA03134 N04MA03124	- N04MA04124

M8 ACCESSORIES - Order Number

	<u>M12 FEMALE TO M8 MALE ADAPTERS</u>		<u>M8 TO M8 IN-LINE SPLITTER</u>	
3 Pole	853030		-	
4 Pole	854030		444A30	



CONNECTORS, CORDSETS AND DISTRIBUTION BOXES FOR SENSOR AND ACTUATOR CONNECTIVITY APPLICATIONS

M12 DISTRIBUTION BOXES - Order Number

4-POLE SINGLE I/O TOP-MOUNT MICRO-CHANGE® (M12) DISTRIBUTION BOXES				
	Length (m)	MOULDED CABLE HORIZONTAL	HOME RUN CONNECTOR M23 12-POLE	HOME RUN CONNECTOR MINI-CHANGE 12-POLE
4 Port	CABLE	PUR/PVC		
	5.0	BTY400P-FBP-05	-	-
	10.0	BTY400P-FBP-10	BTY401P-FBC	BTY401P-FBB
6 Port	CABLE	PUR/PVC		
	5.0	BTY600P-FBP-05	-	-
	10.0	BTY600P-FBP-10	BTY601P-FBC	BTY601P-FBB
8 Port	CABLE	PUR/PVC		
	5.0	BTY800P-FBP-05	-	-
	10.0	BTY800P-FBP-10	BTY801P-FBC	BTY801P-FBB

4-POLE SINGLE I/O SIDE-MOUNT DISTRIBUTION BOXES			
	Length (m)	MOULDED CABLE	HOME RUN CONNECTOR MINI-CHANGE 12-POLE
4 Port	CABLE	PUR/PVC	
	5.0	BSY404P-FBP-05*	-
	10.0	BSY404P-FBP-10*	BSY401P-FBB
6 Port	CABLE	PUR/PVC	
	5.0	BSY604P-FBP-05*	-
	10.0	BSY604P-FBP-10*	BSY601P-FBB
8 Port	CABLE	PUR/PVC	
	5.0	BSY804P-FBP-05*	-
	10.0	BSY804P-FBP-10*	BSY801P-FBB

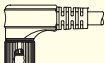
* Earth (pin 5) not connected on this model

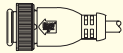
5-POLE DUAL I/O TOP-MOUNT MICRO-CHANGE® (M12) DISTRIBUTION BOXES					
	Length (m)	MOULDED CABLE HORIZONTAL	HOME RUN CONNECTOR M23 19-POLE	HOME RUN CONNECTOR MINI-CHANGE 19-POLE	FIELD ATTACHABLE
4 Port	CABLE	PUR/PVC			
	5.0	BTY405P-FBP-05	-	-	-
	10.0	BTY405P-FBP-10	BTY403P-FBC	BTY403P-FBB	BTY403P-FBA
6 Port	CABLE	PUR/PVC			
	5.0	BTY605P-FBP-05	-	-	-
	10.0	BTY605P-FBP-10	BTY603P-FBC	BTY603P-FBB	BTY603P-FBA
8 Port	CABLE	PUR/PVC			
	5.0	BTY805P-FBP-05	-	-	-
	10.0	BTY805P-FBP-10	BTY803P-FBC	BTY803P-FBB	BTY803P-FBA

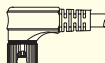


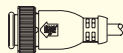
CONNECTORS, CORDSETS AND DISTRIBUTION BOXES FOR SENSOR AND ACTUATOR CONNECTIVITY APPLICATIONS

HOME RUN CORDSETS FOR M12 DISTRIBUTION BOXES - Order Number

M23 12-POLE HOME RUN CORDSETS FOR MICRO-CHANGE® (M12) SINGLE I/O DISTRIBUTION BOXES				
For use with Distribution Box:	Length (m)	FEMALE STRAIGHT		FEMALE 90°
				
		CABLE	PUR/PVC	PUR/PVC
4 Port BTY401P-FBC	5.0	K02300P80M050	K02301P80M050	
	10.0	K02300P80M100	K02301P80M100	
6 Port BTY601P-FBC	5.0	K02200P80M050	K02201P80M050	
	10.0	K02200P80M100	K02201P80M100	
8 Port BTY801P-FBC	5.0	K02100P80M050	K02101P80M050	
	10.0	K02100P80M100	K02101P80M100	

MICRO-CHANGE® 12-POLE HOME RUN CORDSETS FOR MICRO-CHANGE® (M12) SINGLE I/O DISTRIBUTION BOXES				
For use with Distribution Box:	Length (m)	FEMALE STRAIGHT		FEMALE 90°
				
		CABLE	PUR/PVC	PUR/PVC
4 Port BTY401P-FBB BSY401P-FBB	5.0	302300P80M050	302301P80M050	
	10.0	302300P80M100	302301P80M100	
6 Port BTY601P-FBB BSY601P-FBB	5.0	302200P80M050	302201P80M050	
	10.0	302200P80M100	302201P80M100	
8 Port BTY801P-FBB BSY801P-FBB	5.0	302100P80M050	302101P80M050	
	10.0	302100P80M100	302101P80M100	

M23 19-POLE HOME RUN CORDSETS FOR MICRO-CHANGE® (M12) DUAL I/O DISTRIBUTION BOXES				
For use with Distribution Box:	Length (m)	FEMALE STRAIGHT		FEMALE 90°
				
		CABLE	PUR/PVC	PUR/PVC
4 Port BTY403P-FBC	5.0	K03300P80M050	K03301P80M050	
	10.0	K03300P80M100	K03301P80M100	
6 Port BTY603P-FBC	5.0	K03200P80M050	K03201P80M050	
	10.0	K03200P80M100	K03201P80M100	
8 Port BTY803P-FBC	5.0	K03000P80M050	K03001P80M050	
	10.0	K03000P80M100	K03001P80M100	

MICRO-CHANGE® 19-POLE HOME RUN CORDSETS FOR MICRO-CHANGE® (M12) DUAL I/O DISTRIBUTION BOXES				
For use with Distribution Box:	Length (m)	FEMALE STRAIGHT		FEMALE 90°
				
		CABLE	PUR/PVC	PUR/PVC
4 Port BTY403P-FBB	5.0	303300P80M050	303301P80M050	
	10.0	303300P80M100	303301P80M100	
6 Port BTY603P-FBB	5.0	303200P80M050	303201P80M050	
	10.0	303200P80M100	303201P80M100	
8 Port BTY803P-FBB	5.0	303000P80M050	303001P80M050	
	10.0	303000P80M100	303001P80M100	



CONNECTORS, CORDSETS AND DISTRIBUTION BOXES FOR SENSOR AND ACTUATOR CONNECTIVITY APPLICATIONS

M12 CORDSETS - Order Number

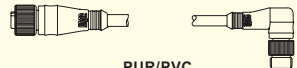
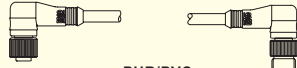
MICRO-CHANGE® (M12) SINGLE-ENDED CORDSETS									
Length (m)	CABLE	FEMALE STRAIGHT			FEMALE 90°				
		PVC	PUR/PVC	PUR	PVC	PUR/PVC	PUR		
3 Pole 1 Brown 3 Blue 4 Black	2.0	803000E03M020	803000P03M020	803000H09M020	803001E03M020	803001P03M020	803001H09M020		
	4.0	803000E03M040	803000P03M040	803000H09M040	803001E03M040	803001P03M040	803001H09M040		
	5.0	803000E03M050	803000P03M050	803000H09M050	803001E03M050	803001P03M050	803001H09M050		
	6.0	803000E03M060	803000P03M060	803000H09M060	803001E03M060	803001P03M060	803001H09M060		
	10.0	803000E03M100	803000P03M100	803000H09M100	803001E03M100	803001P03M100	803001H09M100		
4 Pole 1 Brown 2 White 3 Blue 4 Black	2.0	804000E03M020	804000P03M020	804000H09M020	804001E03M020	804001P03M020	804001H09M020		
	4.0	804000E03M040	804000P03M040	804000H09M040	804001E03M040	804001P03M040	804001H09M040		
	5.0	804000E03M050	804000P03M050	804000H09M050	804001E03M050	804001P03M050	804001H09M050		
	6.0	804000E03M060	804000P03M060	804000H09M060	804001E03M060	804001P03M060	804001H09M060		
	10.0	804000E03M100	804000P03M100	804000H09M100	804001E03M100	804001P03M100	804001H09M100		
5 Pole 1 Brown 2 White 3 Blue 4 Black 5 Grey	2.0	805000E03M020	805000P03M020	805000H09M020	805001E03M020	805001P03M020	805001H09M020		
	4.0	805000E03M040	805000P03M040	805000H09M040	805001E03M040	805001P03M040	805001H09M040		
	5.0	805000E03M050	805000P03M050	805000H09M050	805001E03M050	805001P03M050	805001H09M050		
	6.0	805000E03M060	805000P03M060	805000H09M060	805001E03M060	805001P03M060	805001H09M060		
	10.0	805000E03M100	805000P03M100	805000H09M100	805001E03M100	805001P03M100	805001H09M100		
8 Pole 1 White 2 Brown 3 Green 4 Yellow 5 Grey 6 Pink 7 Blue 8 Red	2.0	808000E02M020	808000P02M020	808000H08M020	808001E02M020	808001P02M020	808001H08M020		
	4.0	808000E02M040	808000P02M040	808000H08M040	808001E02M040	808001P02M040	808001H08M040		
	5.0	808000E02M050	808000P02M050	808000H08M050	808001E02M050	808001P02M050	808001H08M050		
	6.0	808000E02M060	808000P02M060	808000H08M060	808001E02M060	808001P02M060	808001H08M060		
	10.0	808000E02M100	808000P02M100	808000H08M100	808001E02M100	808001P02M100	808001H08M100		
	CABLE	FEMALE PNP LED STRAIGHT			FEMALE PNP LED 90°				
		PVC	PUR/PVC	PUR	PVC	PUR/PVC	PUR		
3 Pole 1 Brown 3 Blue 4 Black	2.0	8030P0E03M020	8030P0P03M020	8030P0H09M020	8030P1E03M020	8030P1P03M020	8030P1H09M020		
	4.0	8030P0E03M040	8030P0P03M040	8030P0H09M040	8030P1E03M040	8030P1P03M040	8030P1H09M040		
	5.0	8030P0E03M050	8030P0P03M050	8030P0H09M050	8030P1E03M050	8030P1P03M050	8030P1H09M050		
	6.0	8030P0E03M060	8030P0P03M060	8030P0H09M060	8030P1E03M060	8030P1P03M060	8030P1H09M060		
	10.0	8030P0E03M100	8030P0P03M100	8030P0H09M100	8030P1E03M100	8030P1P03M100	8030P1H09M100		
4 Pole 1 Brown 2 White 3 Blue 4 Black	2.0	8040P0E03M020	8040P0P03M020	8040P0H09M020	8040P1E03M020	8040P1P03M020	8040P1H09M020		
	4.0	8040P0E03M040	8040P0P03M040	8040P0H09M040	8040P1E03M040	8040P1P03M040	8040P1H09M040		
	5.0	8040P0E03M050	8040P0P03M050	8040P0H09M050	8040P1E03M050	8040P1P03M050	8040P1H09M050		
	6.0	8040P0E03M060	8040P0P03M060	8040P0H09M060	8040P1E03M060	8040P1P03M060	8040P1H09M060		
	10.0	8040P0E03M100	8040P0P03M100	8040P0H09M100	8040P1E03M100	8040P1P03M100	8040P1H09M100		
	CABLE	MALE STRAIGHT			MALE 90°				
		PVC	PUR/PVC	PUR	PVC	PUR/PVC	PUR		
3 Pole 1 Brown 3 Blue 4 Black	2.0	803006E03M020	803006P03M020	803006H09M020	803007E03M020	803007P03M020	803007H09M020		
	4.0	803006E03M040	803006P03M040	803006H09M040	803007E03M040	803007P03M040	803007H09M040		
	5.0	803006E03M050	803006P03M050	803006H09M050	803007E03M050	803007P03M050	803007H09M050		
	6.0	803006E03M060	803006P03M060	803006H09M060	803007E03M060	803007P03M060	803007H09M060		
	10.0	803006E03M100	803006P03M100	803006H09M100	803007E03M100	803007P03M100	803007H09M100		
4 Pole 1 Brown 2 White 3 Blue 4 Black	2.0	804006E03M020	804006P03M020	804006H09M020	804007E03M020	804007P03M020	804007H09M020		
	4.0	804006E03M040	804006P03M040	804006H09M040	804007E03M040	804007P03M040	804007H09M040		
	5.0	804006E03M050	804006P03M050	804006H09M050	804007E03M050	804007P03M050	804007H09M050		
	6.0	804006E03M060	804006P03M060	804006H09M060	804007E03M060	804007P03M060	804007H09M060		
	10.0	804006E03M100	804006P03M100	804006H09M100	804007E03M100	804007P03M100	804007H09M100		
5 Pole 1 Brown 2 White 3 Blue 4 Black 5 Grey	2.0	805006E03M020	805006P03M020	805006H09M020	805007E03M020	805007P03M020	805007H09M020		
	4.0	805006E03M040	805006P03M040	805006H09M040	805007E03M040	805007P03M040	805007H09M040		
	5.0	805006E03M050	805006P03M050	805006H09M050	805007E03M050	805007P03M050	805007H09M050		
	6.0	805006E03M060	805006P03M060	805006H09M060	805007E03M060	805007P03M060	805007H09M060		
	10.0	805006E03M100	805006P03M100	805006H09M100	805007E03M100	805007P03M100	805007H09M100		
8 Pole 1 White 2 Brown 3 Green 4 Yellow 5 Grey 6 Pink 7 Blue 8 Red	2.0	808006E02M020	808006P02M020	808006H08M020	808007E02M020	808007P02M020	808007H08M020		
	4.0	808006E02M040	808006P02M040	808006H08M040	808007E02M040	808007P02M040	808007H08M040		
	5.0	808006E02M050	808006P02M050	808006H08M050	808007E02M050	808007P02M050	808007H08M050		
	6.0	808006E02M060	808006P02M060	808006H08M060	808007E02M060	808007P02M060	808007H08M060		
	10.0	808006E02M100	808006P02M100	808006H08M100	808007E02M100	808007P02M100	808007H08M100		

Options: NPN format LED indication, choice of cable and coupling materials



CONNECTORS, CORDSETS AND DISTRIBUTION BOXES FOR SENSOR AND ACTUATOR CONNECTIVITY APPLICATIONS

M12 CORDSETS - Order Number

MICRO-CHANGE® (M12) DOUBLE-ENDED CORDSETS									
Length (m)	FEMALE STRAIGHT / MALE STRAIGHT						FEMALE STRAIGHT / MALE 90°		
									
	CABLE	PVC	PUR/PVC	PUR	PVC	PUR/PVC	PUR		
3 Pole	0.6	883030E03M006	883030P03M006	883030H09M006	883032E03M006	883032P03M006	883032H09M006		
	1.0	883030E03M010	883030P03M010	883030H09M010	883032E03M010	883032P03M010	883032H09M010		
	2.0	883030E03M020	883030P03M020	883030H09M020	883032E03M020	883032P03M020	883032H09M020		
	3.0	883030E03M030	883030P03M030	883030H09M030	883032E03M030	883032P03M030	883032H09M030		
	4.0	883030E03M040	883030P03M040	883030H09M040	883032E03M040	883032P03M040	883032H09M040		
	5.0	883030E03M050	883030P03M050	883030H09M050	883032E03M050	883032P03M050	883032H09M050		
	10.0	883030E03M100	883030P03M100	883030H09M100	883032E03M100	883032P03M100	883032H09M100		
4 Pole	0.6	884030E03M006	884030P03M006	884030H09M006	884032E03M006	884032P03M006	884032H09M006		
	1.0	884030E03M010	884030P03M010	884030H09M010	884032E03M010	884032P03M010	884032H09M010		
	2.0	884030E03M020	884030P03M020	884030H09M020	884032E03M020	884032P03M020	884032H09M020		
	3.0	884030E03M030	884030P03M030	884030H09M030	884032E03M030	884032P03M030	884032H09M030		
	4.0	884030E03M040	884030P03M040	884030H09M040	884032E03M040	884032P03M040	884032H09M040		
	5.0	884030E03M050	884030P03M050	884030H09M050	884032E03M050	884032P03M050	884032H09M050		
	10.0	884030E03M100	884030P03M100	884030H09M100	884032E03M100	884032P03M100	884032H09M100		
5 Pole	0.6	885030E03M006	885030P03M006	885030H09M006	885032E03M006	885032P03M006	885032H09M006		
	1.0	885030E03M010	885030P03M010	885030H09M010	885032E03M010	885032P03M010	885032H09M010		
	2.0	885030E03M020	885030P03M020	885030H09M020	885032E03M020	885032P03M020	885032H09M020		
	3.0	885030E03M030	885030P03M030	885030H09M030	885032E03M030	885032P03M030	885032H09M030		
	4.0	885030E03M040	885030P03M040	885030H09M040	885032E03M040	885032P03M040	885032H09M040		
	5.0	885030E03M050	885030P03M050	885030H09M050	885032E03M050	885032P03M050	885032H09M050		
	10.0	885030E03M100	885030P03M100	885030H09M100	885032E03M100	885032P03M100	885032H09M100		
8 Pole	0.6	888030E02M006	888030P02M006	888030H08M006	888032E02M006	888032P02M006	888032H08M006		
	1.0	888030E02M010	888030P02M010	888030H08M010	888032E02M010	888032P02M010	888032H08M010		
	2.0	888030E02M020	888030P02M020	888030H08M020	888032E02M020	888032P02M020	888032H08M020		
	3.0	888030E02M030	888030P02M030	888030H08M030	888032E02M030	888032P02M030	888032H08M030		
	4.0	888030E02M040	888030P02M040	888030H08M040	888032E02M040	888032P02M040	888032H08M040		
	5.0	888030E02M050	888030P02M050	888030H08M050	888032E02M050	888032P02M050	888032H08M050		
	10.0	888030E02M100	888030P02M100	888030H08M100	888032E02M100	888032P02M100	888032H08M100		
	FEMALE 90° / MALE STRAIGHT						FEMALE 90° / MALE 90°		
									
	CABLE	PVC	PUR/PVC	PUR	PVC	PUR/PVC	PUR		
3 Pole	0.6	883031E03M006	883031P03M006	883031H09M006	883033E03M006	883033P03M006	883033H09M006		
	1.0	883031E03M010	883031P03M010	883031H09M010	883033E03M010	883033P03M010	883033H09M010		
	2.0	883031E03M020	883031P03M020	883031H09M020	883033E03M020	883033P03M020	883033H09M020		
	3.0	883031E03M030	883031P03M030	883031H09M030	883033E03M030	883033P03M030	883033H09M030		
	4.0	883031E03M040	883031P03M040	883031H09M040	883033E03M040	883033P03M040	883033H09M040		
	5.0	883031E03M050	883031P03M050	883031H09M050	883033E03M050	883033P03M050	883033H09M050		
	10.0	883031E03M100	883031P03M100	883031H09M100	883033E03M100	883033P03M100	883033H09M100		
4 Pole	0.6	884031E03M006	884031P03M006	884031H09M006	884033E03M006	884033P03M006	884033H09M006		
	1.0	884031E03M010	884031P03M010	884031H09M010	884033E03M010	884033P03M010	884033H09M010		
	2.0	884031E03M020	884031P03M020	884031H09M020	884033E03M020	884033P03M020	884033H09M020		
	3.0	884031E03M030	884031P03M030	884031H09M030	884033E03M030	884033P03M030	884033H09M030		
	4.0	884031E03M040	884031P03M040	884031H09M040	884033E03M040	884033P03M040	884033H09M040		
	5.0	884031E03M050	884031P03M050	884031H09M050	884033E03M050	884033P03M050	884033H09M050		
	10.0	884031E03M100	884031P03M100	884031H09M100	884033E03M100	884033P03M100	884033H09M100		
5 Pole	0.6	885031E03M006	885031P03M006	885031H09M006	885033E03M006	885033P03M006	885033H09M006		
	1.0	885031E03M010	885031P03M010	885031H09M010	885033E03M010	885033P03M010	885033H09M010		
	2.0	885031E03M020	885031P03M020	885031H09M020	885033E03M020	885033P03M020	885033H09M020		
	3.0	885031E03M030	885031P03M030	885031H09M030	885033E03M030	885033P03M030	885033H09M030		
	4.0	885031E03M040	885031P03M040	885031H09M040	885033E03M040	885033P03M040	885033H09M040		
	5.0	885031E03M050	885031P03M050	885031H09M050	885033E03M050	885033P03M050	885033H09M050		
	10.0	885031E03M100	885031P03M100	885031H09M100	885033E03M100	885033P03M100	885033H09M100		
8 Pole	0.6	888031E02M006	888031P02M006	888031H08M006	888033E02M006	888033P02M006	888033H08M006		
	1.0	888031E02M010	888031P02M010	888031H08M010	888033E02M010	888033P02M010	888033H08M010		
	2.0	888031E02M020	888031P02M020	888031H08M020	888033E02M020	888033P02M020	888033H08M020		
	3.0	888031E02M030	888031P02M030	888031H08M030	888033E02M030	888033P02M030	888033H08M030		
	4.0	888031E02M040	888031P02M040	888031H08M040	888033E02M040	888033P02M040	888033H08M040		
	5.0	888031E02M050	888031P02M050	888031H08M050	888033E02M050	888033P02M050	888033H08M050		
	10.0	888031E02M100	888031P02M100	888031H08M100	888033E02M100	888033P02M100	888033H08M100		



CONNECTORS, CORDSETS AND DISTRIBUTION BOXES FOR SENSOR AND ACTUATOR CONNECTIVITY APPLICATIONS

M12 LED CORDSETS - Order Number

MICRO-CHANGE® (M12) DOUBLE-ENDED CORDSETS									
Length (m)	FEMALE PNP LED STRAIGHT / MALE STRAIGHT						FEMALE PNP LED STRAIGHT / MALE 90°		
	CABLE	PVC	PUR/PVC	PUR	PVC	PUR/PVC	PUR		
3 Pole	0.6	8830P6E03M006	8830P6P03M006	8830P6H09M006	8830P8E03M006	8830P8P03M006	8830P8H09M006		
	1.0	8830P6E03M010	8830P6P03M010	8830P6H09M010	8830P8E03M010	8830P8P03M010	8830P8H09M010		
	2.0	8830P6E03M020	8830P6P03M020	8830P6H09M020	8830P8E03M020	8830P8P03M020	8830P8H09M020		
	3.0	8830P6E03M030	8830P6P03M030	8830P6H09M030	8830P8E03M030	8830P8P03M030	8830P8H09M030		
	4.0	8830P6E03M040	8830P6P03M040	8830P6H09M040	8830P8E03M040	8830P8P03M040	8830P8H09M040		
	5.0	8830P6E03M050	8830P6P03M050	8830P6H09M050	8830P8E03M050	8830P8P03M050	8830P8H09M050		
	10.0	8830P6E03M100	8830P6P03M100	8830P6H09M100	8830P8E03M100	8830P8P03M100	8830P8H09M100		
3 Pole	FEMALE PNP LED 90° / MALE STRAIGHT						FEMALE PNP LED 90° / MALE 90°		
	CABLE	PVC	PUR/PVC	PUR	PVC	PUR/PVC	PUR		
	0.6	8830P7E03M006	8830P7P03M006	8830P7H09M006	8830P9E03M006	8830P9P03M006	8830P9H09M006		
	1.0	8830P7E03M010	8830P7P03M010	8830P7H09M010	8830P9E03M010	8830P9P03M010	8830P9H09M010		
	2.0	8830P7E03M020	8830P7P03M020	8830P7H09M020	8830P9E03M020	8830P9P03M020	8830P9H09M020		
	3.0	8830P7E03M030	8830P7P03M030	8830P7H09M030	8830P9E03M030	8830P9P03M030	8830P9H09M030		
	4.0	8830P7E03M040	8830P7P03M040	8830P7H09M040	8830P9E03M040	8830P9P03M040	8830P9H09M040		
5.0	8830P7E03M050	8830P7P03M050	8830P7H09M050	8830P9E03M050	8830P9P03M050	8830P9H09M050			
10.0	8830P7E03M100	8830P7P03M100	8830P7H09M100	8830P9E03M100	8830P9P03M100	8830P9H09M100			
4 Pole	0.6	8840P7E03M006	8840P7P03M006	8840P7H09M006	8840P9E03M006	8840P9P03M006	8840P9H09M006		
	1.0	8840P7E03M010	8840P7P03M010	8840P7H09M010	8840P9E03M010	8840P9P03M010	8840P9H09M010		
	2.0	8840P7E03M020	8840P7P03M020	8840P7H09M020	8840P9E03M020	8840P9P03M020	8840P9H09M020		
	3.0	8840P7E03M030	8840P7P03M030	8840P7H09M030	8840P9E03M030	8840P9P03M030	8840P9H09M030		
	4.0	8840P7E03M040	8840P7P03M040	8840P7H09M040	8840P9E03M040	8840P9P03M040	8840P9H09M040		
	5.0	8840P7E03M050	8840P7P03M050	8840P7H09M050	8840P9E03M050	8840P9P03M050	8840P9H09M050		
	10.0	8840P7E03M100	8840P7P03M100	8840P7H09M100	8840P9E03M100	8840P9P03M100	8840P9H09M100		

Options: NPN format LED indication, choice of cable and coupling materials



CONNECTORS, CORDSETS AND DISTRIBUTION BOXES FOR SENSOR AND ACTUATOR CONNECTIVITY APPLICATIONS

M12 TO M8 CORDSETS - Order Number

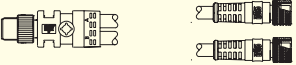
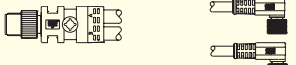
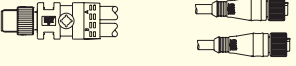
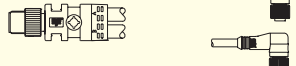
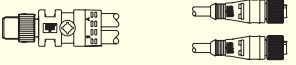
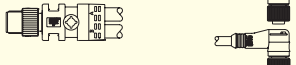
MICRO-CHANGE® (M12) TO NANO-CHANGE® (M8) DOUBLE-ENDED CORDSETS									
Length (m)	CABLE	M12 MALE STRAIGHT / M8 FEMALE STRAIGHT			M12 MALE 90° / M8 FEMALE STRAIGHT				
		PVC	PUR/PVC	PUR	PVC	PUR/PVC	PUR		
3 Pole	0.6	483030E02M006	483030P02M006	483030H08M006	483032E02M006	483032P02M006	483032H08M006		
	1.0	483030E02M010	483030P02M010	483030H08M010	483032E02M010	483032P02M010	483032H08M010		
	2.0	483030E02M020	483030P02M020	483030H08M020	483032E02M020	483032P02M020	483032H08M020		
	3.0	483030E02M030	483030P02M030	483030H08M030	483032E02M030	483032P02M030	483032H08M030		
	4.0	483030E02M040	483030P02M040	483030H08M040	483032E02M040	483032P02M040	483032H08M040		
	5.0	483030E02M050	483030P02M050	483030H08M050	483032E02M050	483032P02M050	483032H08M050		
	10.0	483030E02M100	483030P02M100	483030H08M100	483032E02M100	483032P02M100	483032H08M100		
4 Pole	0.6	484030E02M006	484030P02M006	484030H08M006	484032E02M006	484032P02M006	484032H08M006		
	1.0	484030E02M010	484030P02M010	484030H08M010	484032E02M010	484032P02M010	484032H08M010		
	2.0	484030E02M020	484030P02M020	484030H08M020	484032E02M020	484032P02M020	484032H08M020		
	3.0	484030E02M030	484030P02M030	484030H08M030	484032E02M030	484032P02M030	484032H08M030		
	4.0	484030E02M040	484030P02M040	484030H08M040	484032E02M040	484032P02M040	484032H08M040		
	5.0	484030E02M050	484030P02M050	484030H08M050	484032E02M050	484032P02M050	484032H08M050		
	10.0	484030E02M100	484030P02M100	484030H08M100	484032E02M100	484032P02M100	484032H08M100		
Length (m)	CABLE	M12 MALE STRAIGHT / M8 FEMALE 90°			M12 MALE 90° / M8 FEMALE 90°				
		PVC	PUR/PVC	PUR	PVC	PUR/PVC	PUR		
3 Pole	0.6	483031E02M006	483031P02M006	483031H08M006	483033E02M006	483033P02M006	483033H08M006		
	1.0	483031E02M010	483031P02M010	483031H08M010	483033E02M010	483033P02M010	483033H08M010		
	2.0	483031E02M020	483031P02M020	483031H08M020	483033E02M020	483033P02M020	483033H08M020		
	3.0	483031E02M030	483031P02M030	483031H08M030	483033E02M030	483033P02M030	483033H08M030		
	4.0	483031E02M040	483031P02M040	483031H08M040	483033E02M040	483033P02M040	483033H08M040		
	5.0	483031E02M050	483031P02M050	483031H08M050	483033E02M050	483033P02M050	483033H08M050		
	10.0	483031E02M100	483031P02M100	483031H08M100	483033E02M100	483033P02M100	483033H08M100		
4 Pole	0.6	484031E02M006	484031P02M006	484031H08M006	484033E02M006	484033P02M006	484033H08M006		
	1.0	484031E02M010	484031P02M010	484031H08M010	484033E02M010	484033P02M010	484033H08M010		
	2.0	484031E02M020	484031P02M020	484031H08M020	484033E02M020	484033P02M020	484033H08M020		
	3.0	484031E02M030	484031P02M030	484031H08M030	484033E02M030	484033P02M030	484033H08M030		
	4.0	484031E02M040	484031P02M040	484031H08M040	484033E02M040	484033P02M040	484033H08M040		
	5.0	484031E02M050	484031P02M050	484031H08M050	484033E02M050	484033P02M050	484033H08M050		
	10.0	484031E02M100	484031P02M100	484031H08M100	484033E02M100	484033P02M100	484033H08M100		
Length (m)	CABLE	M12 MALE STRAIGHT / M8 FEMALE PNP LED 90°			M12 MALE 90° / M8 FEMALE PNP LED 90°				
		PVC	PUR/PVC	PUR	PVC	PUR/PVC	PUR		
3 Pole	0.6	4830P7E02M006	4830P7P02M006	4830P7H08M006	4830P9E02M006	4830P9P02M006	4830P9H08M006		
	1.0	4830P7E02M010	4830P7P02M010	4830P7H08M010	4830P9E02M010	4830P9P02M010	4830P9H08M010		
	2.0	4830P7E02M020	4830P7P02M020	4830P7H08M020	4830P9E02M020	4830P9P02M020	4830P9H08M020		
	3.0	4830P7E02M030	4830P7P02M030	4830P7H08M030	4830P9E02M030	4830P9P02M030	4830P9H08M030		
	4.0	4830P7E02M040	4830P7P02M040	4830P7H08M040	4830P9E02M040	4830P9P02M040	4830P9H08M040		
	5.0	4830P7E02M050	4830P7P02M050	4830P7H08M050	4830P9E02M050	4830P9P02M050	4830P9H08M050		
	10.0	4830P7E02M100	4830P7P02M100	4830P7H08M100	4830P9E02M100	4830P9P02M100	4830P9H08M100		

Options: NPN format LED indication, choice of cable and coupling materials



CONNECTORS, CORDSETS AND DISTRIBUTION BOXES FOR SENSOR AND ACTUATOR CONNECTIVITY APPLICATIONS

IN-LINE SPLITTERS FOR M12 DISTRIBUTION BOXES - Order Number

MICRO-CHANGE® (M12) TO NANO-CHANGE® (M8) IN-LINE SPLITTERS (MALE / 2x FEMALE)									
Length (m)	MALE STRAIGHT / FEMALE STRAIGHT						MALE STRAIGHT / FEMALE 90°		
									
CABLE	PVC	PUR/PVC	PUR	PVC	PUR/PVC	PUR	PVC	PUR/PVC	PUR
0.6	484A30E02M006	484A30P02M006	484A30H08M006	484A31E02M006	484A31P02M006	484A31H08M006	484A31E02M006	484A31P02M006	484A31H08M006
1.0	484A30E02M010	484A30P02M010	484A30H08M010	484A31E02M010	484A31P02M010	484A31H08M010	484A31E02M010	484A31P02M010	484A31H08M010
2.0	484A30E02M020	484A30P02M020	484A30H08M020	484A31E02M020	484A31P02M020	484A31H08M020	484A31E02M020	484A31P02M020	484A31H08M020
3.0	484A30E02M030	484A30P02M030	484A30H08M030	484A31E02M030	484A31P02M030	484A31H08M030	484A31E02M030	484A31P02M030	484A31H08M030
4.0	484A30E02M040	484A30P02M040	484A30H08M040	484A31E02M040	484A31P02M040	484A31H08M040	484A31E02M040	484A31P02M040	484A31H08M040
5.0	484A30E02M050	484A30P02M050	484A30H08M050	484A31E02M050	484A31P02M050	484A31H08M050	484A31E02M050	484A31P02M050	484A31H08M050
10.0	484A30E02M100	484A30P02M100	484A30H08M100	484A31E02M100	484A31P02M100	484A31H08M100	484A31E02M100	484A31P02M100	484A31H08M100
MICRO-CHANGE® (M12) TO MICRO-CHANGE® (M12) IN-LINE SPLITTERS (MALE / 2x FEMALE)									
Length (m)	MALE STRAIGHT / FEMALE STRAIGHT						MALE STRAIGHT / FEMALE 90°		
									
CABLE	PVC	PUR/PVC	PUR	PVC	PUR/PVC	PUR	PVC	PUR/PVC	PUR
0.6	884A30E03M006	884A30P03M006	884A30H09M006	884A31E03M006	884A31P03M006	884A31H09M006	884A31E03M006	884A31P03M006	884A31H09M006
1.0	884A30E03M010	884A30P03M010	884A30H09M010	884A31E03M010	884A31P03M010	884A31H09M010	884A31E03M010	884A31P03M010	884A31H09M010
2.0	884A30E03M020	884A30P03M020	884A30H09M020	884A31E03M020	884A31P03M020	884A31H09M020	884A31E03M020	884A31P03M020	884A31H09M020
3.0	884A30E03M030	884A30P03M030	884A30H09M030	884A31E03M030	884A31P03M030	884A31H09M030	884A31E03M030	884A31P03M030	884A31H09M030
4.0	884A30E03M040	884A30P03M040	884A30H09M040	884A31E03M040	884A31P03M040	884A31H09M040	884A31E03M040	884A31P03M040	884A31H09M040
5.0	884A30E03M050	884A30P03M050	884A30H09M050	884A31E03M050	884A31P03M050	884A31H09M050	884A31E03M050	884A31P03M050	884A31H09M050
10.0	884A30E03M100	884A30P03M100	884A30H09M100	884A31E03M100	884A31P03M100	884A31H09M100	884A31E03M100	884A31P03M100	884A31H09M100
MICRO-CHANGE® (M12) TO MICRO-CHANGE® (M12) IN-LINE SPLITTERS (MALE / 2x FEMALE)									
Length (m)	MALE STRAIGHT / FEMALE PNP LED STRAIGHT						MALE STRAIGHT / FEMALE PNP LED 90°		
									
CABLE	PVC	PUR/PVC	PUR	PVC	PUR/PVC	PUR	PVC	PUR/PVC	PUR
0.6	884AP6E03M006	884AP6P03M006	884AP6H09M006	884AP7E03M006	884AP7P03M006	884AP7H09M006	884AP7E03M006	884AP7P03M006	884AP7H09M006
1.0	884AP6E03M010	884AP6P03M010	884AP6H09M010	884AP7E03M010	884AP7P03M010	884AP7H09M010	884AP7E03M010	884AP7P03M010	884AP7H09M010
2.0	884AP6E03M020	884AP6P03M020	884AP6H09M020	884AP7E03M020	884AP7P03M020	884AP7H09M020	884AP7E03M020	884AP7P03M020	884AP7H09M020
3.0	884AP6E03M030	884AP6P03M030	884AP6H09M030	884AP7E03M030	884AP7P03M030	884AP7H09M030	884AP7E03M030	884AP7P03M030	884AP7H09M030
4.0	884AP6E03M040	884AP6P03M040	884AP6H09M040	884AP7E03M040	884AP7P03M040	884AP7H09M040	884AP7E03M040	884AP7P03M040	884AP7H09M040
5.0	884AP6E03M050	884AP6P03M050	884AP6H09M050	884AP7E03M050	884AP7P03M050	884AP7H09M050	884AP7E03M050	884AP7P03M050	884AP7H09M050
10.0	884AP6E03M100	884AP6P03M100	884AP6H09M100	884AP7E03M100	884AP7P03M100	884AP7H09M100	884AP7E03M100	884AP7P03M100	884AP7H09M100

Options: NPN format LED indication, choice of cable and coupling materials

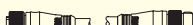
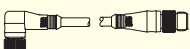
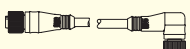
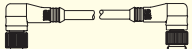


CONNECTORS, CORDSETS AND DISTRIBUTION BOXES FOR SENSOR AND ACTUATOR CONNECTIVITY APPLICATIONS

M12 SHIELDED CORDSETS - Order Number

MICRO-CHANGE® (M12) SHIELDED SINGLE-ENDED CORDSETS				MICRO-CHANGE® (M12) SHIELDED SINGLE-ENDED CORDSETS			
Length (m)	FEMALE STRAIGHT		FEMALE 90°	CABLE	MALE STRAIGHT		MALE 90°
							
	PUR/PVC SHIELDED	PUR/PVC SHIELDED			PUR/PVC SHIELDED	PUR/PVC SHIELDED	
3 Pole 	2.0	803S00P20M020	803S01P20M020	2.0	803S06P20M020	803S07P20M020	
	4.0	803S00P20M040	803S01P20M040	4.0	803S06P20M040	803S07P20M040	
	5.0	803S00P20M050	803S01P20M050	5.0	803S06P20M050	803S07P20M050	
	6.0	803S00P20M060	803S01P20M060	6.0	803S06P20M060	803S07P20M060	
	10.0	803S00P20M100	803S01P20M100	10.0	803S06P20M100	803S07P20M100	
4 Pole 	2.0	804S00P20M020	804S01P20M020	2.0	804S06P20M020	804S07P20M020	
	4.0	804S00P20M040	804S01P20M040	4.0	804S06P20M040	804S07P20M040	
	5.0	804S00P20M050	804S01P20M050	5.0	804S06P20M050	804S07P20M050	
	6.0	804S00P20M060	804S01P20M060	6.0	804S06P20M060	804S07P20M060	
	10.0	804S00P20M100	804S01P20M100	10.0	804S06P20M100	804S07P20M100	
5 Pole 	2.0	805S00P20M020	805S01P20M020	2.0	805S06P20M020	805S07P20M020	
	4.0	805S00P20M040	805S01P20M040	4.0	805S06P20M040	805S07P20M040	
	5.0	805S00P20M050	805S01P20M050	5.0	805S06P20M050	805S07P20M050	
	6.0	805S00P20M060	805S01P20M060	6.0	805S06P20M060	805S07P20M060	
	10.0	805S00P20M100	805S01P20M100	10.0	805S06P20M100	805S07P20M100	
8 Pole 	2.0	808S00P19M020	808S01P19M020	2.0	808S06P19M020	808S07P19M020	
	4.0	808S00P19M040	808S01P19M040	4.0	808S06P19M040	808S07P19M040	
	5.0	808S00P19M050	808S01P19M050	5.0	808S06P19M050	808S07P19M050	
	6.0	808S00P19M060	808S01P19M060	6.0	808S06P19M060	808S07P19M060	
	10.0	808S00P19M100	808S01P19M100	10.0	808S06P19M100	808S07P19M100	

Shield connected to coupling nut

MICRO-CHANGE® (M12) SHIELDED DOUBLE-ENDED CORDSETS						
Length (m)	FEMALE STRAIGHT / MALE STRAIGHT		FEMALE 90° / MALE STRAIGHT		FEMALE 90° / MALE 90°	
						
CABLE	PUR/PVC SHIELDED	PUR/PVC SHIELDED	PUR/PVC SHIELDED	PUR/PVC SHIELDED		
3 Pole	0.6	883S30P20M006	883S31P20M006	883S32P20M006	883S33P20M006	
	1.0	883S30P20M010	883S31P20M010	883S32P20M010	883S33P20M010	
	2.0	883S30P20M020	883S31P20M020	883S32P20M020	883S33P20M020	
	3.0	883S30P20M030	883S31P20M030	883S32P20M030	883S33P20M030	
	4.0	883S30P20M040	883S31P20M040	883S32P20M040	883S33P20M040	
	5.0	883S30P20M050	883S31P20M050	883S32P20M050	883S33P20M050	
	10.0	883S30P20M100	883S31P20M100	883S32P20M100	883S33P20M100	
4 Pole	0.6	884S30P20M006	884S31P20M006	884S32P20M006	884S33P20M006	
	1.0	884S30P20M010	884S31P20M010	884S32P20M010	884S33P20M010	
	2.0	884S30P20M020	884S31P20M020	884S32P20M020	884S33P20M020	
	3.0	884S30P20M030	884S31P20M030	884S32P20M030	884S33P20M030	
	4.0	884S30P20M040	884S31P20M040	884S32P20M040	884S33P20M040	
	5.0	884S30P20M050	884S31P20M050	884S32P20M050	884S33P20M050	
	10.0	884S30P20M100	884S31P20M100	884S32P20M100	884S33P20M100	
5 Pole	0.6	885S30P20M006	885S31P20M006	885S32P20M006	885S33P20M006	
	1.0	885S30P20M010	885S31P20M010	885S32P20M010	885S33P20M010	
	2.0	885S30P20M020	885S31P20M020	885S32P20M020	885S33P20M020	
	3.0	885S30P20M030	885S31P20M030	885S32P20M030	885S33P20M030	
	4.0	885S30P20M040	885S31P20M040	885S32P20M040	885S33P20M040	
	5.0	885S30P20M050	885S31P20M050	885S32P20M050	885S33P20M050	
	10.0	885S30P20M100	885S31P20M100	885S32P20M100	885S33P20M100	
8 Pole	0.6	888S30P19M006	888S31P19M006	888S32P19M006	888S33P19M006	
	1.0	888S30P19M010	888S31P19M010	888S32P19M010	888S33P19M010	
	2.0	888S30P19M020	888S31P19M020	888S32P19M020	888S33P19M020	
	3.0	888S30P19M030	888S31P19M030	888S32P19M030	888S33P19M030	
	4.0	888S30P19M040	888S31P19M040	888S32P19M040	888S33P19M040	
	5.0	888S30P19M050	888S31P19M050	888S32P19M050	888S33P19M050	
	10.0	888S30P19M100	888S31P19M100	888S32P19M100	888S33P19M100	

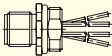
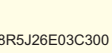
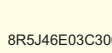
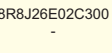
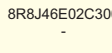
Shield connected to coupling nut

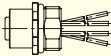


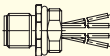
CONNECTORS, CORDSETS AND DISTRIBUTION BOXES FOR SENSOR AND ACTUATOR CONNECTIVITY APPLICATIONS

M12 RECEPTACLES - Order Number

MICRO-CHANGE® (M12) RECEPTACLES WITH PG MOUNTING THREAD						
Wire Length (mm)	FRONT PANEL MOUNT			BACK PANEL MOUNT		
	FEMALE SHORT MOUNTING THREAD PG9 W / LEADS	FEMALE LONG MOUNTING THREAD PG9 W / LEADS	FEMALE SHORT MOUNTING THREAD PG9 PCB-MOUNT	FEMALE PG9 W / LEADS	FEMALE PG9 W / PCB-MOUNT	
4 Pole	300.0 n/a	8R4J20E03C300 -	8R4J30E03C300 -	- 8R4J20000	8R4J40E03C300 -	- 8R4J40000
5 Pole	300.0 n/a	8R5J20E03C300 -	8R5J30E03C300 -	- 8R5J20000	8R5J40E03C300 -	- 8R5J40000
8 Pole	300.0 n/a	8R8J20E02C300 -	8R8J30E02C300 -	- 8R8J20000	8R8J40E02C300 -	- 8R8J40000

MICRO-CHANGE® (M12) RECEPTACLES WITH PG MOUNTING THREAD							
		FRONT PANEL MOUNT				BACK PANEL MOUNT	
		MALE SHORT MOUNTING THREAD PG9 W / LEADS	MALE SHORT MOUNTING THREAD PG13.5 W / LEADS	MALE LONG MOUNTING THREAD PG9 W/LEADS	MALE SHORT MOUNTING THREAD PG9 PCB-MOUNT	MALE PG9 W / LEADS	MALE PG9 PCB-MOUNT
4 Pole	300.0 n/a						
		8R4J26E03C300 -	8R4D26E03C300 -	8R4J36E03C300 -	- 8R4J26000	8R4J46E03C300 -	- 8R4J46000
5 Pole	300.0 n/a						
		8R5J26E03C300 -	8R5D26E03C300 -	8R5J36E03C300 -	- 8R5J26000	8R5J46E03C300 -	- 8R5J46000
8 Pole	300.0 n/a						
		8R8J26E02C300 -	8R8D26E02C300 -	8R8J36E02C300 -	- 8R8J26000	8R8J46E02C300 -	- 8R8J46000

MICRO-CHANGE® (M12) RECEPTACLE WITH METRIC MOUNTING THREAD					
Wire Length (mm)		FEMALE SHORT MOUNTING THREAD M16 W / LEADS		FEMALE SHORT MOUNTING THREAD M16 PCB-MOUNT	
					
4 Pole	300.0 n/a	8R4U20E03C300	-	-	8R4U20000
5 Pole	300.0 n/a	8R5U20E03C300	-	-	8R5U20000
8 Pole	300.0 n/a	8R8U20E02C300	-	-	8R8U20000

MICRO-CHANGE® (M12) RECEPTACLE WITH METRIC MOUNTING THREAD					
Wire Length (mm)		<u>MALE SHORT MOUNTING</u> <u>THREAD M16 W / LEADS</u>	<u>MALE SHORT MOUNTING</u> <u>THREAD M20 W / LEADS</u>	<u>MALE SHORT MOUNTING</u> <u>THREAD M16 PCB-MOUNT</u>	
					
	4 Pole	300.0 n/a	8R4U26E03C300 -	8R4M26E03C300 -	- 8R4U26000
	5 Pole	300.0 n/a	8R5U26E03C300 -	8R5M26E03C300 -	- 8R5U26000
	8 Pole	300.0 n/a	8R8U26E02C300 -	8R8M26E02C300 -	- 8R8U26000



CONNECTORS, CORDSETS AND DISTRIBUTION BOXES FOR SENSOR AND ACTUATOR CONNECTIVITY APPLICATIONS

M12 FIELD ATTACHABLE CONNECTORS - Order Number

Termination Cable Diameter		FEMALE STRAIGHT ATTACHABLE	FEMALE 90° ATTACHABLE	Termination Cable Diameter		MALE STRAIGHT ATTACHABLE	MALE 90° ATTACHABLE
4 Pole	2.5 - 6.5			4 Pole	2.5 - 6.5		
	4.0 - 7.5	8A4000-31 8A4000-32	8A4001-31 8A4001-32		4.0 - 7.5	8A4006-31 8A4006-32	8A4007-31 8A4007-32
5 Pole	2.5 - 6.5	8A5000-31 8A5000-32	8A5001-31 8A5001-32	5 Pole	2.5 - 6.5	8A5006-31 8A5006-32	8A5007-31 8A5007-32
	4.0 - 7.5				4.0 - 7.5		

M12 ACCESSORIES - Order Number

		M8 FEMALE TO M12 MALE ADAPTER			M8 FEMALE TO M12 MALE IN-LINE SPLITTER	M12 FEMALE TO M12 MALE IN-LINE SPLITTER
3 Pole				4 Pole		
		483030			484A30	-
4 Pole		484030		5 Pole	-	885A30

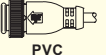


CONNECTORS, CORDSETS AND DISTRIBUTION BOXES FOR SENSOR AND ACTUATOR CONNECTIVITY APPLICATIONS

MINI-CHANGE® DISTRIBUTION BOXES - Order Number

MINI-CHANGE® DISTRIBUTION BOXES WITH HOME RUN CONNECTOR					
	3-POLE PARALLEL WIRING	3-POLE LED PARALLEL WIRING	5-POLE WIRING	5-POLE WIRING FOR SOLENOIDS	
4 Port					
	409P401	410P401	413P411	413P401	
6 Port			-	-	
	409P601	410P601			
8 Port			-	-	
	409P801	410P801			

HOME RUN CORDSETS FOR MINI-CHANGE® DISTRIBUTION BOXES - Order Number

MINI-CHANGE® HOME RUN CORDSETS					
	Length (m)	FEMALE STRAIGHT FOR 3-POLE PARALLEL WIRING	FEMALE STRAIGHT FOR 3-POLE LED PARALLEL WIRING	FEMALE STRAIGHT FOR 5-POLE WIRING	FEMALE STRAIGHT FOR 5-POLE WIRING FOR SOLENOIDS
4 Port	CABLE				
		PVC	PVC	PVC	PVC
4 Port	5.0	106000A01M050	207000A01M050	301000A01M050	301000A01M050
	10.0	106000A01M100	207000A01M100	301000A01M100	301000A01M100
6 Port	5.0	208000A01M050	309000A01M050	-	-
	10.0	208000A01M100	309000A01M100	-	-
8 Port	5.0	301000A01M050	302000A01M050	-	-
	10.0	301000A01M100	302000A01M100	-	-

MINI-CHANGE® CORDSETS - Order Number

MINI-CHANGE® SINGLE-ENDED CORDSETS A SIZE			
	Length (m)	Female Straight	Female 90°
			
Cable		PUR/PVC	PUR/PVC
 3 Pole 1 Black 2 Blue 3 Green 4 Green/Yellow	2.0	103000P14M020	103001P14M020
	4.0	103000P14M040	103001P14M040
	5.0	103000P14M050	103001P14M050
	6.0	103000P14M060	103001P14M060
	10.0	103000P14M100	103001P14M100
 4 Pole 1 Black 2 Blue 3 Green/Yellow 4 Brown	2.0	104000P14M020	104001P14M020
	4.0	104000P14M040	104001P14M040
	5.0	104000P14M050	104001P14M050
	6.0	104000P14M060	104001P14M060
	10.0	104000P14M100	104001P14M100
 5 Pole 1 Black 2 Blue 3 Green/Yellow 4 Brown 5 White	2.0	105000P14M020	105001P14M020
	4.0	105000P14M040	105001P14M040
	5.0	105000P14M050	105001P14M050
	6.0	105000P14M060	105001P14M060
	10.0	105000P14M100	105001P14M100

MINI-CHANGE® SINGLE-ENDED CORDSETS A SIZE			
	Length (m)	Male Straight External Threaded	Male 90° External Threaded
			
Cable		PUR/PVC	PUR/PVC
 3 Pole 1 Black 2 Blue 3 Green 4 Green/Yellow	2.0	103006P14M020	103007P14M020
	4.0	103006P14M040	103007P14M040
	5.0	103006P14M050	103007P14M050
	6.0	103006P14M060	103007P14M060
	10.0	103006P14M100	103007P14M100
 4 Pole 1 Black 2 White 3 Red 4 Green-gnd	2.0	104006P14M020	104007P14M020
	4.0	104006P14M040	104007P14M040
	5.0	104006P14M050	104007P14M050
	6.0	104006P14M060	104007P14M060
	10.0	104006P14M100	104007P14M100
 5 Pole 1 White 2 Red 3 Green/gnd 4 orange 5 Black	2.0	105006P14M020	105007P14M020
	4.0	105006P14M040	105007P14M040
	5.0	105006P14M050	105007P14M050
	6.0	105006P14M060	105007P14M060
	10.0	105006P14M100	105007P14M100

MINI-CHANGE® SINGLE-ENDED CORDSETS A SIZE			
	Length (m)	Male Straight Internal Threaded	Male 90° Internal Threaded
			
Cable		PUR/PVC	PUR/PVC
 3 Pole 1 Black 2 Blue 3 Green/Yellow	2.0	103002P14M020	103003P14M020
	4.0	103002P14M040	103003P14M040
	5.0	103002P14M050	103003P14M050
	6.0	103002P14M060	103003P14M060
	10.0	103002P14M100	103003P14M100
 4 Pole 1 Black 2 White 3 Red 4 Green/gnd	2.0	104002P14M020	104003P14M020
	4.0	104002P14M040	104003P14M040
	5.0	104002P14M050	104003P14M050
	6.0	104002P14M060	104003P14M060
	10.0	104002P14M100	104003P14M100
 5 Pole 1 White 2 Red 3 Green/gnd 4 orange 5 Black	2.0	105002P14M020	105003P14M020
	4.0	105002P14M040	105003P14M040
	5.0	105002P14M050	105003P14M050
	6.0	105002P14M060	105003P14M060
	10.0	105002P14M100	105003P14M100

Options: NPN format LED indication, choice of cable and coupling materials



CONNECTORS, CORDSETS AND DISTRIBUTION BOXES FOR SENSOR AND ACTUATOR CONNECTIVITY APPLICATIONS

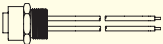
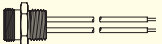
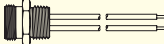
MINI-CHANGE® CORDSETS - Order Number

MINI-CHANGE® DOUBLE-ENDED CORDSETS A Size								
Length (m)	FEMALE STRAIGHT / MALE STRAIGHT EXTERNAL THREADED		FEMALE 90° / MALE STRAIGHT EXTERNAL THREADED		FEMALE STRAIGHT / MALE 90° EXTERNAL THREADED		FEMALE 90° / MALE 90° EXTERNAL THREADED	
CABLE	PUR/PVC		PUR/PVC		PUR/PVC		PUR/PVC	
4 Pole	0.6	113030P14M006	113031P14M006	113032P14M006	113033P14M006			
	1.0	113030P14M010	113031P14M010	113032P14M010	113033P14M010			
	2.0	113030P14M020	113031P14M020	113032P14M020	113033P14M020			
	3.0	113030P14M030	113031P14M030	113032P14M030	113033P14M030			
	4.0	113030P14M040	113031P14M040	113032P14M040	113033P14M040			
	5.0	113030P14M050	113031P14M050	113032P14M050	113033P14M050			
10.0	113030P14M100	113031P14M100	113032P14M100	113033P14M100				
6 Pole	0.6	114030P14M006	114031P14M006	114032P14M006	114033P14M006			
	1.0	114030P14M010	114031P14M010	114032P14M010	114033P14M010			
	2.0	114030P14M020	114031P14M020	114032P14M020	114033P14M020			
	3.0	114030P14M030	114031P14M030	114032P14M030	114033P14M030			
	4.0	114030P14M040	114031P14M040	114032P14M040	114033P14M040			
	5.0	114030P14M050	114031P14M050	114032P14M050	114033P14M050			
10.0	114030P14M100	114031P14M100	114032P14M100	114033P14M100				
8 Pole	0.6	115030P14M006	115031P14M006	115032P14M006	115033P14M006			
	1.0	115030P14M010	115031P14M010	115032P14M010	115033P14M010			
	2.0	115030P14M020	115031P14M020	115032P14M020	115033P14M020			
	3.0	115030P14M030	115031P14M030	115032P14M030	115033P14M030			
	4.0	115030P14M040	115031P14M040	115032P14M040	115033P14M040			
	5.0	115030P14M050	115031P14M050	115032P14M050	115033P14M050			
10.0	115030P14M100	115031P14M100	115032P14M100	115033P14M100				
FEMALE STRAIGHT / MALE STRAIGHT INTERNAL THREADED		FEMALE 90° / MALE STRAIGHT INTERNAL THREADED		FEMALE STRAIGHT / MALE 90° INTERNAL THREADED		FEMALE 90° / MALE 90° INTERNAL THREADED		
CABLE	PUR/PVC		PUR/PVC		PUR/PVC		PUR/PVC	
4 Pole	0.6	113020P14M006	113021P14M006	113022P14M006	113023P14M006			
	1.0	113020P14M010	113021P14M010	113022P14M010	113023P14M010			
	2.0	113020P14M020	113021P14M020	113022P14M020	113023P14M020			
	3.0	113020P14M030	113021P14M030	113022P14M030	113023P14M030			
	4.0	113020P14M040	113021P14M040	113022P14M040	113023P14M040			
	5.0	113020P14M050	113021P14M050	113022P14M050	113023P14M050			
10.0	113020P14M100	113021P14M100	113022P14M100	113023P14M100				
6 Pole	0.6	114020P14M006	114021P14M006	114022P14M006	114023P14M006			
	1.0	114020P14M010	114021P14M010	114022P14M010	114023P14M010			
	2.0	114020P14M020	114021P14M020	114022P14M020	114023P14M020			
	3.0	114020P14M030	114021P14M030	114022P14M030	114023P14M030			
	4.0	114020P14M040	114021P14M040	114022P14M040	114023P14M040			
	5.0	114020P14M050	114021P14M050	114022P14M050	114023P14M050			
10.0	114020P14M100	114021P14M100	114022P14M100	114023P14M100				
8 Pole	0.6	115020P14M006	115021P14M006	115022P14M006	115023P14M006			
	1.0	115020P14M010	115021P14M010	115022P14M010	115023P14M010			
	2.0	115020P14M020	115021P14M020	115022P14M020	115023P14M020			
	3.0	115020P14M030	115021P14M030	115022P14M030	115023P14M030			
	4.0	115020P14M040	115021P14M040	115022P14M040	115023P14M040			
	5.0	115020P14M050	115021P14M050	115022P14M050	115023P14M050			
10.0	115020P14M100	115021P14M100	115022P14M100	115023P14M100				



CONNECTORS, CORDSETS AND DISTRIBUTION BOXES FOR SENSOR AND ACTUATOR CONNECTIVITY APPLICATIONS

MINI-CHANGE® RECEPTACLES - Order Number

MINI-CHANGE® FRONT MOUNT PG 13.5				MINI-CHANGE® FRONT MOUNT PG 13.5			
	Wire Length (mm)	FEMALE INTERNAL THREADED	FEMALE EXTERNAL THREADED		Wire Length (mm)	MALE	
							
3 Pole	300.0	1R3D30E14C300	1R3D34E14C300	3 Pole	300.0	1R3D36E14C300	
4 Pole	300.0	1R4D30E14C300	1R4D34E14C300	4 Pole	300.0	1R4D36E14C300	
5 Pole	300.0	1R5D30E14C300	1R5D34E14C300	5 Pole	300.0	1R5D36E14C300	

MINI-CHANGE® FIELD ATTACHABLE CONNECTORS - Order Number

MINI-CHANGE® FIELD ATTACHABLES				MINI-CHANGE® FIELD ATTACHABLES			
		FEMALE				MALE EXTERNAL THREADED	MALE INTERNAL THREADED
							
3 Pole	300.0	1A3000-34		3 Pole	300.0	1A3006-34	1A3002-34
4 Pole	300.0	1A4000-34		4 Pole	300.0	1A4006-34	1A4002-34
5 Pole	300.0	1A5000-34		5 Pole	300.0	1A5006-34	1A5002-34

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