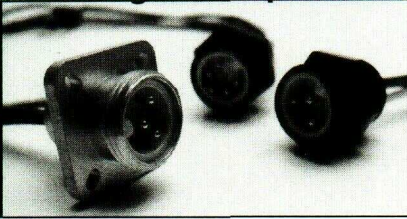


Mini-Change® Receptacles

2P to 6P



Receptacles

#16 AWG PVC 12-inch leads – U.S. color code, epoxy potted
 Straight, 90° and flange mount in male and female versions
 Low-resistance contact design with gold/palladium nickel plating

	2P	3P	4P	5P	6P
MALE FACE VIEW					
COLOR CODE	1- white 2- black	1- green-gnd 2- black 3- white	1- black 2- white 3- red 4- green-gnd	1- white 2- red 3- green-gnd 4- orange 5- black	1- white 2- red 3- green-gnd 4- orange 5- black 6- blue
VOLTAGE	600V AC/DC	600V AC/DC	600V AC/DC	600V AC/DC	600V AC/DC
CURRENT	13A	13A	10A	8A	8A
CONDUCTOR	#16-2	#16-3	#16-4	#16-5	#16-6

MALE	FIG	RECEPTACLES WITH #16 AWG PVC LEADS 12 INCHES LONG				
STRAIGHT	1	1R2006A20A120	1R3006A20A120	1R4006A20A120	1R5006A20A120	1R6006A20A120
90°	3	1R2007A20A120	1R3007A20A120	1R4007A20A120	1R5007A20A120	1R6007A20A120
FLANGE MOUNT	2	1R2G06A20A120	1R3G06A20A120	1R4G06A20A120	1R5G06A20A120	1R6G06A20A120
FEMALE	FIG	RECEPTACLES WITH #16 AWG PVC LEADS 12 INCHES LONG				
STRAIGHT	1	1R2004A20A120	1R3004A20A120	1R4004A20A120	1R5004A20A120	1R6004A20A120
90°	3	1R2005A20A120	1R3005A20A120	1R4005A20A120	1R5005A20A120	1R6005A20A120
FLANGE MOUNT	2	1R2G04A20A120	1R3G04A20A120	1R4G04A20A120	1R5G04A20A120	1R6G04A20A120

PART NO.	ACCESSORIES
5601	Locknut 1/2"-14NPT, zinc plated steel
5611	Gasket, black neoprene

CATALOG OPTIONS

Use the following chart to modify your part's specifications

1R2006A20A1201

CABLE LENGTH

3'	F030
6'	F060

SHELL

STAINLESS STEEL SHELL	.ADD 1
NON-METALLIC SHELL	.ADD 2

(AVAILABLE ON MALE & FEMALE STRAIGHT RECEPTACLES ONLY)

Application Guide

PRODUCT	CONNECTED TO:	APPLICATIONS
Mini-Change® Molded Cordsets	18 and 30mm proximity switches Pressure and limit switches Rectangular photoelectric sensors Solenoids Fractional HP motors	Conveyors Pneumatic/hydraulic valves Packaging and food processing equipment Material handling systems Transfer and assembly lines
Micro-Change® Molded Cordsets M12 Single Keyway 1/2" – 20 UNF Dual Keyway	12 and 18mm tubular proximity switches Tubular photoelectric sensors Modular controls Safety light curtains and floor mats Pressure switches	Pneumatic/hydraulic valves Conveyors Pick-n-place machines Transfer and assembly lines
Nano-Change® Molded Cordsets M8	8m and smaller proximity switches Miniature photoelectric and other controls Temperature probes and sensors Printed circuit boards	Robotic End-of-arm tooling Gear tooth sensing Conveyors
Quick-Change® Molded Cordsets	Up to 5HP motors Lighting Power lines	Conveyors Mixers, grinders and choppers Pumps Industrial saws
mPm® DIN 43650 Connectors	Actuators Solenoid and coils Pressure switches	Packaging equipment Diverters on conveyor lines Pneumatic and hydraulic manifolds
Multi-Port Interconnection Systems	Proximity switches Various other sensors Solenoids	Wire consolidation
Control Connectors	Press controls/run button bars Process controls	Stamping presses Automated assembly lines
Safety Plugs	Die blocks Safety fences and gates	Stamping presses Robotic welding presses
Dual Round Connectors	Press controls/run button bars Process controls	Stamping presses Automated assembly lines

Mini-Change® Connector Cross-Reference

Old Part Number to New 13 Digit Part Number

Old Part #	13 Digit Part #	Item Description	Old Part #	13 Digit Part #	Item Description
40731SS-90	102001A01F1501	MC 2P FP 90D 15ft. 16/2 PVC S.S.	40838SS	1R2004A20A1201	MC 2P FR 12ft. 16/1 PVC SST
40732	102000A01F300	MC 2P FP 30ft. 16/2 PVC	40863	1R2G04A20A120	MC 2P FR 12in. PVC FLANGED SHE
40732-90	102001A01F300	MC 2P FP 30ft. 90D 16/2 PVC CO	40865	1R2G06A20A120	MC 2P MR 12in. #16/1 FLANGED S
40732SS	102000A01F3001	MC 2P FP 30ft. 16/2 PVC SST	40876-0030	—	MC 2P M/MFE 3ft. 16/2 PVC CORD
40736	112020A01F300	MC 2P MFE 30ft. 16/2 PVC CORD	40876-0060	—	MC 2P M/MFE 6ft. 16/2 PVC CORD
40736SS	112020A01F3001	MC 2P MFE 30ft. 16/2 PVC SST	40876-0150	—	MC 2P M/MFE 15ft. 16/2 PVC CORD
40743	112020A01F200	MC 2P MFE 20ft. 16/2 PVC	40876-0200	—	MC 2P M/MFE 20ft. 16/2 PVC CORD
40743-90	112021A01F200	MC 2P MFE 90D FEM 20ft. 16/2 PVC	40876-0300	—	MC 2P M/MFE 30ft. 16 AWG CORD
40743N	112020A01F2002	MC 2P MFE 20ft. 16/2 PVC N-M	40885	1R2007A20F060	MC 2P MR 6ft. 16/1 PVC 90DEG
40748	102000A01F200	MC 2P FP 20ft. 16/2 PVC	40886	1R2005A20F060	MC 2P FR 6ft. 16/1 PVC 90DEG
40748-90	102001A01F200	MC 2P FP 20ft. 90D 16/2 PVC CO	40887	1R2G06A20F060	MC 2P MR 6ft. 16/1 PVC FLNGD S
40748N	102000A01F2002	MC 2P FP 20ft. 16/2 PVC N-M	40888	1R2G04A20F060	MC 2P FR 6ft. 16/1 PVC FLNGD S
40748SS	102000A01F2001	MC 2P FP 20ft. 16/2 PVC SST NUT	40901	103000A01F030	MC 3P FP 3ft. 16/3 PVC CORD
40750	102000A01F060	MC 2P FP 60ft. 16/2 PVC	40901-18	103000A03F030	MC 3P FP 3ft. 18/3 PVC STRAIGHT
40751	102002A01F150	MC 2P MP 15ft. 16/2 PVC	40901-1890	103003A03F030	MC 3P FP 90DEG 3ft. 18/3 PVC
40751-90	102003A01F150	MC 2P MP 15ft. 90D 16/2 PVC CO	40901-90	103001A01F030	MC 3P FP 3ft. 90 DEG 16/3 PVC
40751N	102002A01F1502	MC 2P MP 15ft. 16/2 PVC N-M	40901-90N	103001A01F0302	MC 3P FP 3ft. 90DEG 16/3 PVC N
40751SS	102002A01F1501	MC 2P MP 15ft. 16/2 PVC SST	40901-E	103000A06M010	MC 3P FP 1M 18/3 PVC CORD
40752	102002A01F200	MC 2P MP 20ft. 16/2 PVC CORD	40901-E-90	103001A06M010	MC 3P FP 90D 1M 18/3 PVC
40752-90	102003A01F200	MC 2P MP 20ft. 90D 16/2 PVC CO	40901N	103000A01F0302	MC 3P FP 3ft. 16/3 PVC CORD
40752N	102002A01F2002	MC 2P MP 20ft. 16/2 PVC N-M	40901N-18	103000A03F0302	MC 3P FP 3ft. 18/3 PVC NYLON
40752SS	102002A01F2001	MC 2P MP 20ft. 16/2 PVC S.S.	40901N-1890	103001A03F0302	MC 3P FP 90D 3ft. 18/3 PVC N-M
40758	102002A01F250	MC 2P MP 25ft. 16/2 PVC CORD	40901S	103000C01F0301	MC 3P FP 3ft. 16/3 SOO CORD
40758-90	102003A01F250	MC 2P MP 25ft. 90D 16/2 PVC CO	40901S-90	103001C01F0301	MC 3P FP 3ft. 90 DEG 16-3 SOO
40758-90N	102003A01F2502	MC 2P MP 25ft. 90D 16/2 PVC N-M	40901S-NBK	103000C01F030	MC 3P FP 3ft. 16/3 SOO CORD
40758N	102002A01F2502	MC 2P MP 25ft. 16/2 PVC N-M	40901SS	103000A01F0301	MC 3P FP 3ft. 16/3 PVC,SST COUP
40759	1R2004A20F060	MC 2P FR PANEL MT 6ft. 16/1 PVC	40901SS-90	103001A01F0301	MC 3P FP 3ft. 90 DEG 16/3 PVC SS
40776	1R2G06A20A060	MC 2P MR 6in. PVC FLANGED SHEL	40902	103000A01F060	MC 3P FP 6ft. 16/3 PVC CORD
40783	112020A01F030	MC 2P MFE 3ft. 16/2 STO CORD	40902-18	103000A03F060	MC 3P FP 6ft. 18/3 PVC STRAIGHT
40783N	112020A01F0302	MC 2P MFE 3ft. 16/2 STO N-M	40902-1890	103001A03F060	MC 3P FP 90DEG 6ft. 18/3 PVC
40794	102000A01F250	MC 2P FP 25ft. 16/2 PVC	40902-18SS	103000A03F0601	MC 3P FP 6ft. 18/3 PVC SS
40794-90	102001A01F250	MC 2P FP 25ft. 90D 16/2 PVC CO	40902-90	103001A01F060	MC 3P FP 6ft. 90DEG 16/3 PVC
40794N	102000A01F2502	MC 2P FP 25ft. 16/2 PVC N-M	40902-90E	103001A06M020	MC 3P FP 90D 2M 18/3 PVC
40794SS	102000A01F2501	MC 2P FP 25ft. 16/2 PVC SST	40902-90N	103001A01F0602	MC 3P FP 6ft. 90DEG 16/3 PVC N
40804	112020A01F250	MC 2P MFE 25ft. 16/2 PVC CORD	40902-E	103000A06M020	MC 3P FP 2M 18/3 PVC CORD
40804N	112020A01F2502	MC 2P MFE 25ft. 16/2 PVC N-M	40902N	103000A01F0602	MC 3P FP 6ft. 16/3 PVC CORD
40804SS	112020A01F2501	MC 2P MFE 25ft. 16/2 PVC SST	40902N-18	103000A03F0602	MC 3P FP 6ft. 18/3 PVC N-M
40823	102002A01F300	MC 2P MP 30ft. 16/2 PVC	40902N-1890	103001A03F0602	MC 3P FP 90D 6ft. 18/3 PVC NYL
40823-90	102003A01F300	MC 2P MP 30ft. 90D 16/2 PVC	40902-NBK	103000A01F060	MC 3P FP 6ft. 16/3 PVC CORD
40826	112020A01F150	MC 2P MFE 15ft. 16/2 PVC CORD	40902N-E	103000A06M020	MC 3P FP 2M 18/3 PVC CORD N-M
40832	1R2004A20F060	MC 2P FR 6ft. 16/1 PVC LDS	40902S	103000C01F060	MC 3P FP 6ft. 16/3 SOO CORD
40832N	1R2004A20F0602	MC 2P FR 6ft. 16/1 PVC N-M	40902S-90	103001C01F060	MC 3P FP 6ft. 90 DEG 16-3 SOO
40832SS	1R2004A20F0601	MC 2P FR 6ft. 16/1 PVC LDS S.S.	40902S-90-NBK	103001C01F060	MC 3P FP 6ft. 90D 16/3 SOO
40837	1R2006A20F060	MC 2P MR 6ft. 16/1 PVC LDS	40902S-NBK	103000C01F060	MC 3P FP 6ft. 16/3 SOO CORD
40837N	1R2006A20F0602	MC 2P MR 6ft. 16/1 PVC N-M	40902SS	103000A01F0601	MC 3P FP 6ft. 16/3 PVC,SST COUP
40838N	1R2004A20F1202	MC 2P FR 12ft. 16/1 PVC LDS N-M	40902SS-90	103001A01F0601	MC 3P FP 90D 6ft. 16/3C SST
40838NYL	1R2004A20F1202	MC 2P FR 12ft. 16/1 PVC NYLON	40903	103000A01F120	MC 3P FP 12ft. 16/3 PVC CORD

Receptacle Catalog Number Matrix

Use these Catalog Number Matrices to generate a custom or existing part number. From each grouping of specifications choose the corresponding code to create a single 13 character alpha/numeric part number for ordering. Below is an example of a properly constructed Receptacle part number and how it translates to an actual part.

3R2004A20A1201

12 Pole Female Straight Receptacle with 12" leads, 16 AWG, PVC, U.S. Color Code, Optional Stainless Steel Shell

3 R 2 0 0 4 A 2 0 A 1 2 0 1

<p>PRODUCT FAMILY (2 characters)</p> <p>1st Character</p> <p>1 2 to 6 Pole (A-size)</p> <p>2 6 to 8 Pole (B-size)</p> <p>3 9, 10, 12 Pole (C-size)</p> <p>2nd Character</p> <p>R Receptacle</p>	<p>NUMBER OF POLES</p> <p>X X Pole: 2 to 9 Pole</p> <p>1 10 Pole C-size only</p> <p>2 12 Pole C-size only</p>	<p>RECEPTACLE TYPE</p> <p>004 Female Straight, ½" - 14NPT Mounting Thread</p> <p>005 Female 90°, ½" - 14NPT Mounting Thread 2-6 Pole A-size only</p> <p>006 Male Straight, ½" - 14NPT Mounting Thread</p> <p>007 Male 90°, ½" - 14NPT Mounting Thread 2-6 Pole A-size only</p> <p>D04 Female Straight, PG13.5 Mounting Thread, 3-5 Pole only</p> <p>D06 Male Straight, PG13.5 Mounting Thread, 3-5 Pole only</p> <p>G04 Female Straight Flange Mount 2-6 Pole A-size only</p> <p>G06 Male Straight Flange Mount 2-6 Pole A-size only</p>	<p>WIRE TYPE</p> <p>A16 18 AWG PVC UL 1015 IEC DC Color Code 3P & 4P</p> <p>A17 18 AWG PVC UL 1061 AUTO Color Code 3P-5P</p> <p>A20 16 AWG PVC UL 1015 U.S. Color Code 2P-12P</p> <p>A24 16 AWG PVC UL 1015 AUTO Color Code 3P & 5P</p> <p>A25 18 AWG PVC UL 1015 IEC AC Color Code 3P & 5P</p>	<p>UNIT OF MEASURE</p> <p>A Inches</p> <p>F Feet</p> <p>Note: use feet for length greater than 1 foot</p>	<p>LENGTH</p> <p>1st Digit 10 X Length</p> <p>2nd Digit 1 X Length</p> <p>3rd Digit .1 X Length</p>	<p>OPTIONAL SHELL MATERIAL (For receptacle type 004 and 006 only)</p> <p>Blank Zinc Diecast, epoxy coat</p> <p>1 Stainless Steel, Type 303</p> <p>2 Non-Metallic Nylon 6/6 (2P - 6P, A-size only)</p>
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Specifications



MECHANICAL

SHELL: ZINC DIECAST W/ BLACK EPOXY COAT, OPTIONAL STAINLESS STEEL TYPE 303 OR NON-METALLIC GRAY NYLON 6/6

90°: ZINC DIECAST W/ BLACK E-COAT
FLANGE MOUNT: GRAY ANODIZED ALUMINUM

INSERT: PVC - UL STD 94 - V0

CONDUCTORS: #16 AWG, PVC INSULATION OVER 26 X #30 COPPER STRANDING, 600V, UL STYLE I015 CSA TEW

ELECTRICAL

VOLTAGE RATING: 600 V AC/DC

AMPERAGE: 2P - 13A

3P - 13A

4P - 10A

5P - 8A

6P - 8A

ENVIRONMENTAL

PROTECTION: IP 68, NEMA 6P

AMBIENT OPERATING TEMP: -4° TO 221° F (-20° TO 105° C)

CERTIFICATIONS

UL: UL RECOGNIZED, FILE NO. E46237

CSA: CSA CERTIFIED, FILE NO. LR6837

RECEPTACLE DIMENSIONS

MALE STRAIGHT WITH 1/2" - 14NPT THREADS
FEMALE STRAIGHT WITH 1/2" - 14NPT THREADS

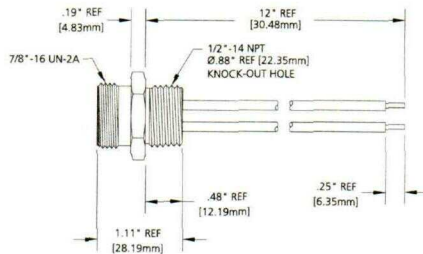
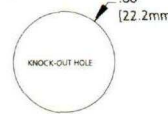
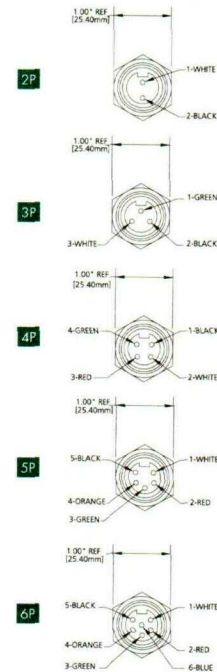


FIG 1

TYPICAL KNOCKOUT



FEMALE FACE VIEW



MALE FLANGE MOUNT
FEMALE FLANGE MOUNT

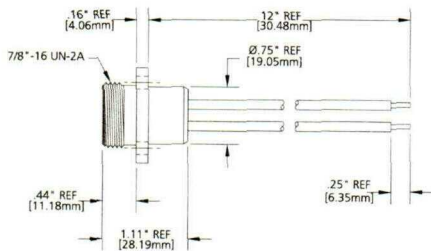
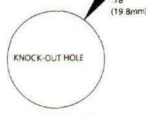
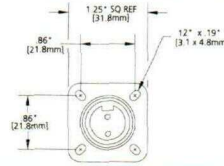


FIG 2

TYPICAL KNOCKOUT



MOUNTING DETAIL



MALE 90° WITH 1/2" - 14NPT THREADS
FEMALE 90° WITH 1/2" - 14NPT THREADS

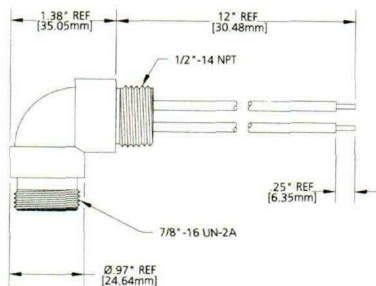
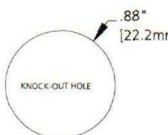
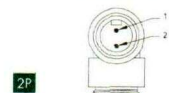


FIG 3

TYPICAL KNOCKOUT



TYPICAL MALE FACE VIEW



TYPICAL FEMALE FACE VIEW

