



QUICK-CHANGE™ CONNECTORS

RECEPTACLES

Product Specifications

MECHANICAL

INSERT MATERIAL:	NITRILE
SHELL MATERIAL:	THERMOPLASTIC
CONTACT MATERIAL:	BRASS
LOCKNUT:	STEEL
CABLE TYPE(S):	10/12/14 AWG: 1 CONDUCTOR, PVC JACKETED, 105°C
CABLE STRANDING:	14 AWG: 19 X #27 12 AWG: 7 X #30 10 AWG: 105 X #30

ELECTRICAL

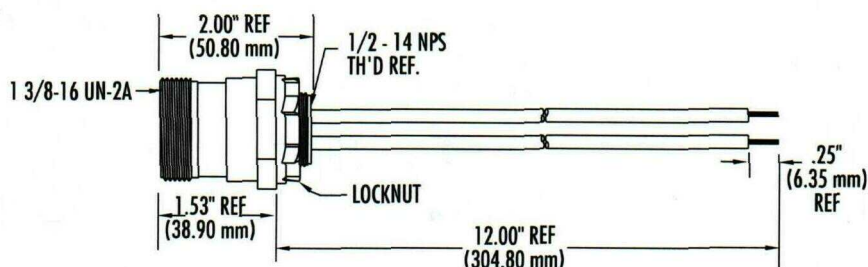
VOLTAGE RATING:	600VAC/600VDC
CURRENT RATING:	SEE ORDERING CHART
ISOLATION RESISTANCE:	≥1000MΩ

ENVIRONMENTAL

PROTECTION:	IP 68, NEMA 6P
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CERTIFICATIONS

UL:	UL RECOGNIZED, FILE NO. E46237
CSA:	CSA CERTIFIED, FILE NO. LR6837



Receptacle With 12in. Pigtail Leads

Poles	Face View Male	Wiring Code	AWG Cable Size	Rating 600V	NPT Thread (in.)	Male	Female
2		1-Black 2-White	#14	18A	1/2in.	32017	32015
			#12	25A	3/4in.	32018	32016
			#10	30A	1/2in.	32032	32034
					3/4in.	32033	32035
					1/2in.	32065	32067
					3/4in.	32066	32068
3		1-Black 2-White 3-Green	#14	18A	1/2in.	32317	32315
			#12	25A	3/4in.	32318	32316
			#10	30A	1/2in.	32357	32359
					3/4in.	32358	32360
					1/2in.	32419	32421
					3/4in.	32420	32422
4		1-Black 2-Green 3-Red 4-White	#14	15A	1/2in.	32632	32630
			#12	20A	3/4in.	32633	32631
			#10	25A	1/2in.	32680	32682
					3/4in.	32681	32683
					1/2in.	32767	32769
					3/4in.	32768	32770

Product Options

Aluminum version, add "AL" as suffix e.g. 32017 becomes 32017AL

Systems are a space-, time-, and cost-saving alternative to traditional hard wiring. With MPIS®, you eliminate knockouts, terminal strips, and sealing guards - protecting against potentially costly and destructive wiring errors. Optional L.E.D. displays make trouble-shooting fast and precise.

Quick-Change® Connectors Deliver heavy-duty power in harsh industrial environments. Used to quickly and safely replace motors from fractional through 5 H.P. on pumps, conveyors, cooling fans, mixers, grinders, industrial saws, and other equipment while protecting electrical connections from water, dust, oil and other contaminants.

Other Connector Products In heavy-duty power/control applications such as press controls, control circuit instrument panels, robotics, die blocks, and safety fences and gates, Brad Harrison® products have no equal. Control connectors are available in 3-12 pole configurations and are insulated with neoprene rubber. Brad Harrison® safety plugs protect employees by providing electrical lockout during maintenance of heavy industrial equipment. Dual round connectors feature a unique plug and receptacle design that prevents mismating.

BRAD HARRISON® APPLICATION GUIDE

Product	Used in Conjunction With	Typical Applications
Mini-Change® Molded Connectors	18mm and 30mm tubular proximity sensors Limit switches Rectangular proximity and photoelectric sensors Solenoids	Sensors on conveyors Hydraulic valves Packing equipment Material handling equipment
Micro-Change® Molded Connectors	12mm and 18mm tubular proximity sensors Tubular photoelectric sensors Modular controls	Hydraulic or pneumatic cylinders Conveyors Pick 'n place robots
Nano-Change® Molded Connectors	8mm and smaller proximity sensors Miniature photoelectric sensors Miniature control components	Robotic end-arm tooling Gear tooth sensing Conveyors
Quick-Change® Molded Connectors	Fractional through 5 H.P. Industrial motors	Conveyors Mixers, grinders, choppers Pumps Industrial saws
DIN 43650 Molded Connectors	18, 11, 10, 9.4, and 8.0mm Valve and actuator connections	Hydraulic or pneumatic cylinders Material handling equipment Packing equipment
Multi-Port Interconnect Systems (MPIS®)	8, 12 and 18mm proximity sensors Miniature controls Limit switches Solenoids	Suitable for applications where consolidation of wiring is desirable
Control Connectors	Press controls/run button bars Process controls	Forging and welding presses Automated assembly lines
Safety Plugs	Die blocks Safety fences/gates	Forging and welding presses Barricades to work areas
Dual Round Connectors	Press controls Process controls	Forging and welding presses Automated assembly lines

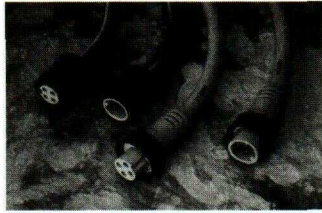


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REPRESENTATIVE TODAY!**

SEE PAGES 2-7



QUICK-CHANGE™ CONNECTORS



Designed and built to deliver reliable, heavy-duty power in harsh industrial environments to motors up to 5 Hp. Meets the requirements of NEMA 4, 4X, 6 and 6P, plus IP 65, 67 and 68. Capable of withstanding hose-down pressures up to 1,000 psi.

Product Specifications

MECHANICAL

MOLDED BODY MATERIAL:	NITRILE			
CONTACT MATERIAL:	BRASS			
COUPLING NUT MATERIAL:	THERMOPLASTIC			
CABLE TYPE(S):	10/12/14 AWG: YELLOW, 600V, RUBBER JACKETED 105° C, U.L. RECOGNIZED, CSA CERTIFIED			
CABLE TEMP. RANGE:	-20° TO 105°C			
CABLE STRANDING:	14 AWG: 41 X #30 12 AWG: 65 X #30 10 AWG: 105 X #30			
CABLE DIAMETERS:	14 AWG	12 AWG	10 AWG	
	2/C .52IN.	.60IN.	.65IN.	
	3/C .55IN.	.62IN.	.69IN.	
	4/C .59IN.	.68IN.	.74IN.	

ELECTRICAL

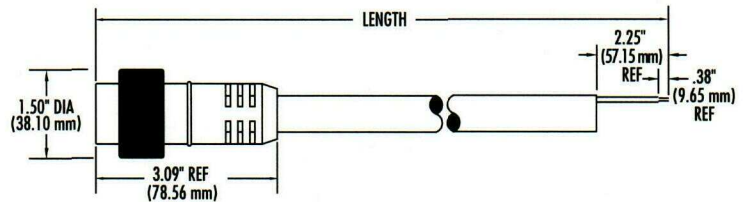
VOLTAGE RATING:	600VAC/600VDC
CURRENT RATING:	SEE ORDERING CHART
ISOLATION RESISTANCE:	≥1000MΩ

ENVIRONMENTAL

PROTECTION:	IP 68, NEMA 6P
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CERTIFICATIONS

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Plugs

Poles	Face View Male	Wiring Code	AWG Cable Size	Current Rating @600V	Cable Length	Male	Female
2		1-Black	#14	18A	3ft./ .91m	32019	32022
		2-White			6ft./1.83m	32020	32023
					12ft./3.66m	32021	32024
					3ft./ .91m	32026	32029
			#12	25A	6ft./1.83m	32027	32030
					12ft./3.66m	32028	32031
					3ft./ .91m	32050	32053
					6ft./1.83m	32051	32054
					12ft./3.66m	32052	32055
			#10	30A	3ft./ .91m	32319	32322
					6ft./1.83m	32320	32323
					12ft./3.66m	32321	32324
3		1-Black	#14	18A	3ft./ .91m	32353	32342
		2-White			6ft./1.83m	32354	32350
		3-Green			12ft./3.66m	32355	32356
					3ft./ .91m	32404	32407
			#12	25A	6ft./1.83m	32405	32408
					12ft./3.66m	32406	32409
					3ft./ .91m	32634	32637
					6ft./1.83m	32635	32638
					12ft./3.66m	32636	32639
			#10	30A	3ft./ .91m	32650	32669
					6ft./1.83m	32676	32678
					12ft./3.66m	32677	32679
4		1-Black	#14	15A	3ft./ .91m	32754	32757
		2-Green			6ft./1.83m	32755	32758
		3-Red			12ft./3.66m	32756	32759
		4-White			3ft./ .91m	32754	32757
			#12	20A	6ft./1.83m	32755	32758
					12ft./3.66m	32756	32759
					3ft./ .91m	32754	32757
					6ft./1.83m	32755	32758
					12ft./3.66m	32756	32759
			#10	25A	3ft./ .91m	32754	32757
					6ft./1.83m	32755	32758
					12ft./3.66m	32756	32759
					3ft./ .91m	32754	32757

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