



QUICK-CHANGE™ CONNECTORS

RECEPTACLES

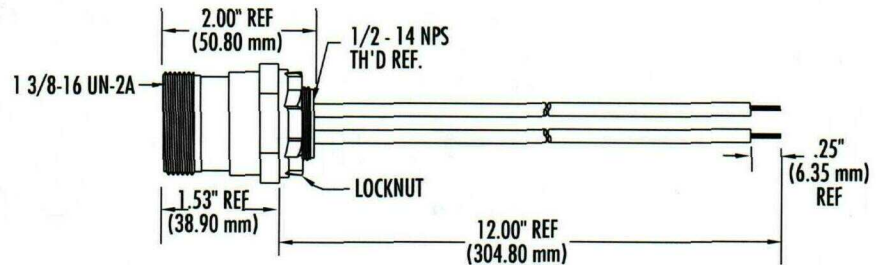
Product Specifications

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

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. 3/4in.	32017 32018	32015 32016			
			#12	25A	1/2in. 3/4in.	32032 32033	32034 32035			
			#10	30A	1/2in. 3/4in.	32065 32066	32067 32068			
			3		1-Black 2-White 3-Green	#14	18A	1/2in. 3/4in.	32317 32318	32315 32316
						#12	25A	1/2in. 3/4in.	32357 32358	32359 32360
						#10	30A	1/2in. 3/4in.	32419 32420	32421 32422
4		1-Black 2-Green 3-Red 4-White				#14	15A	1/2in. 3/4in.	32632 32633	32630 32631
						#12	20A	1/2in. 3/4in.	32680 32681	32682 32683
						#10	25A	1/2in. 3/4in.	32767 32768	32769 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 mismatching.

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

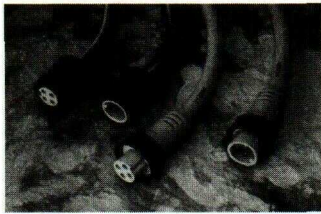


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SEE PAGES 2 - 7



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

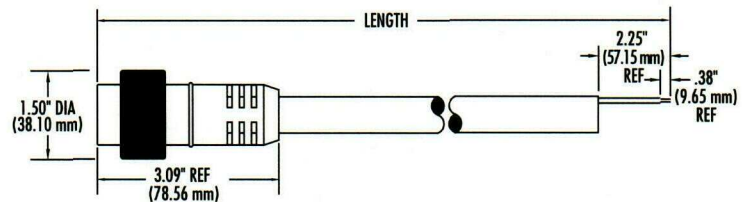
VOLTAGE RATING:	600VAC/600VDC
CURRENT RATING:	SEE ORDERING CHART
ISOLATION RESISTANCE:	≥1000MΩ

ENVIRONMENTAL

PROTECTION:	IP 68, NEMA 6P
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CERTIFICATIONS

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



Plugs

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

Product Options

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

X-ON Electronics

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