

Brad® M12 Power T-Coding Connector System

molex®

Delivering three times the power of standard M12 connectors – 63V AC/DC and 12.0A per pin – the IP67-rated Brad® M12 Power T-Coding Connector System provides compact and robust blind-mating for ease-of-use in factory automation applications and more

Features and Benefits

63 V AC/DC; up to 12.0A current per pin

Delivers three times the power of standard M12 connectors

T-Coding mating interface

Prevents mating with other M12 connectors being used for input, output, signal, or industrial network connections. Provides up to two DC power circuits (2 x V- / 2 x V+) in a blind-mate interface

IP67 sealed interface

Provides a sealed connection ideal for use in harsh and wet industrial environments. Connector is dust-proof and can be temporarily submerged in up to one meter of water

Pins enclosed in contact carrier

Enhances finger safety by eliminating chance of electrical shock due to exposed pins

Enhanced heat-dissipating design

Dissipates heat more efficiently for higher current-carrying capabilities in a compact design

Standard products according to IEC Standard 61076-2-111

Establishes an open-industry connector standard to increase adoption among a wide array of platforms and manufacturers

Accommodates up to 16 AWG/1.5mm² wire size

Ideal for a wide range of power applications



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Applications

Factory Automation

- DC Motors and Drivers
- 24V DC Auxiliary Power Distribution
- Control Systems
- Value Actuators

Industrial Lighting Applications

- Compact LED
- Conventional Lighting Fixtures

Commercial Vehicle (CV)

- Telemetry Modules
- Control System Power
- On-Board Lighting Power



LED Lighting Fixture



Compact DC Motors



Valve Bank

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Specifications



Ordering Information

Order No.	Poles	Type	Cable Material	Gender	Length	
120500-0017	4	Single-Ended Cordset	TPU	Male	1.0m	
120500-0018					2.0m	
120500-0019					5.0m	
120500-0020				10.0m		
120500-0021				Female	1.0m	
120500-0022					2.0m	
120500-0023		5.0m				
120500-0024		10.0m				
120501-0009		Double-Ended Cordset			Male – Female	1.0m
120501-0010						2.0m
120501-0011						5.0m
120501-0012						10.0m
			Wire Gauge			
120502-0008	4	Receptacle	16 AWG	Female	0.5m	
120502-0009					1.0m	

www.molex.com/link/bradpower.html