

# Brad® Ultra-Lock® (M12) Distribution Boxes (US)

120119/130008

Top Mount, Dual-Wired Ports  
With Brad® Mini-Change®  
HR Connector



## Features and Benefits

- Fully potted, factory assembled boxes simplify on machine wiring installations
- Accepts Ultra-Lock and threaded M12 cordsets
- Two input/outputs per port
- Indicating LEDs for power and sensor trigger indication
- Versions available for use with PNP and NPN sensors
- Mini-Change home run connector for easy replacement

## Electrical

Voltage: 10-30V DC max.  
Amperage: Module—12.0A max.  
Port—4.0A max.

## Physical

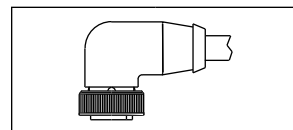
Housing: PBT  
Port Shell Material: Nickel-plated Brass  
Contacts: Copper alloy with Gold over Nickel plating  
Home Run Connector: Mini-Change 19-pole male connector  
Wiring Configuration: Dual I/O, M12 5-pole female port

## Environmental

Protection: IP67  
NEMA Rating: NEMA 6

Port Configuration	Box Configuration	Ports	LED Indicator	For Sensor	Top Mount	
					Engineering No.	Standard Order No.
		4	Yes	PNP	BKY403P-FBB	120119-0005
		6	Yes	PNP	BKY603P-FBB	120119-0013
		8	Yes	PNP	BKY803P-FBB	120119-0020

## Suggested Home Run Cordset Brad Mini-Change 19-pole Female Cordset



Use With	Cable Jacket	No. of Conductors	Construction	Length	Engineering No.	Standard Order No.
4 and 6 port blocks	PUR	15	12 × 0.34mm <sup>2</sup> + 3 × 0.75mm <sup>2</sup>	10.0m	303201P80M100	130008-5006
8 port block	PUR	19	16 × 0.34mm <sup>2</sup> + 3 × 0.75mm <sup>2</sup>	10.0m	303001P80M100	130008-0316

Note: Sales drawings for all standard order numbers are available on [molex.com](http://molex.com)

Configuration Code\*  
Build-a-Part Number

	Length	Code
Meters	5	050
	10	100
	15	150

303001P80M100

\*Once an engineering number is created using the configuration code, consult Molex tech support for information regarding any part numbers.