DATASHEET

molex

# Brad M12 Ultra-Lock 2.0 ›

**The Brad M12 Ultra-Lock 2.0 female and male cordsets and receptacles meet the IEC 61076-2-010 standard and provide an easy-to-assemble interface, delivering increased productivity and cost savings while surpassing the performance and reliability of traditional threaded connectors**

## FEATURES AND ADVANTAGES

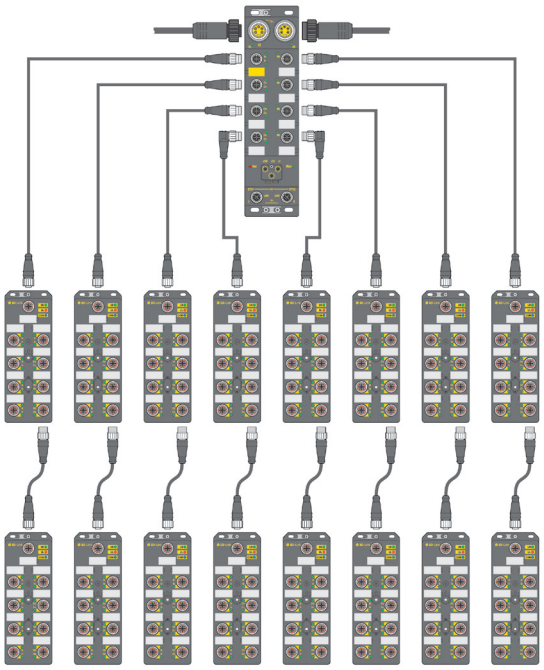
### Operator-independent connection
Offers reliable, field-proven push-pull technology that enables simple and fast connections that cannot be either too tight or too loose



*M12 Ultra-Lock 2.0 Male Cordset*

### IP67 protection
Affords push, click and the proven protection against water and dust

### Universal, industry-standard M12 interface
Allows customers to easily change between Ultra-Lock and traditional threaded connection styles as needed



*Multi I/O Applications*

### Plastic housing and Zinc die-cast spring carrier
Offers a durable and cost-effective solution



*M12 Ultra-lock 2.0 Female Cordset*

### Weld-slag, oil-resistant (WSOR) cable
Withstands multiple harsh-environment conditions including welding and cutting oil. Delivers rugged, high-flex and high-torsion performance over a wide temperature range

## APPLICATIONS

### Industrial Automation
Machine and line builders
Machine tools/machining centers
Automotive production equipment (incl. robotics)
Special-purpose manufacturing machinery
Sensor and actuator connections
Multi-I/O applications
Difficult-to-access areas
Safety areas (click and tight)



*Factory Automation / Machine & Line Builders*



*Robotics*



*Machine Tools & Machining Centers*

DATASHEET

# Brad M12 Ultra-Lock 2.0 ›

## SPECIFICATIONS

### REFERENCE INFORMATION

A-codes:
Cordsets from series 120400/120401 mates with REC from series 120404
D-codes:
Cordsets from series 120406 mates with REC from series 120406

### ELECTRICAL

Voltage/Current (max.):

| | |
|---|---|
| 3/4 Pole: | 250V/4A |
| 5 Pole: | 60V/4A |
| 8 Pole: | 30V/2A |
| 12 Pole: | 30V/1.5A |

### MECHANICAL

Outer Sleeve: PA
Inner Sleeve: Zinc die-cast
Locking Spring: Stainless Steel
Contact Plating: Gold over Nickel
O-Ring: FPM
Operating Temperature: -25 to +85°C

**www.molex.com/en-us/products/industrial-automation/micro-change-m12**

Molex is a registered trademark of Molex, LLC in the United States of America and may be registered in other countries; all other trademarks listed herein belong to their respective owners
Order No. 987652-3092 Rev. 2 USA/0k/GF/2023.04
©2023 Molex