

**IP67 rated digital IO modules for harsh environments are designed for direct machine mount applications with Modbus TCP communication capabilities.**

## Specifications

Modbus TCP server  
Speed: 10/100 Mbps. (auto-negotiation, full duplex)  
Data Access: I/O data  
IP address: DHCP, Static Address  
Embedded display for diagnostic  
Operating Temperature: -25 to +70°C  
Storage Temperature: -40 to +90°C  
Approvals: CE, UL, cUL, Rohs, REACH, Schneider Certified

**User manual to download under:**

**www.molex.com** (select Brad Automation Products Support Center)

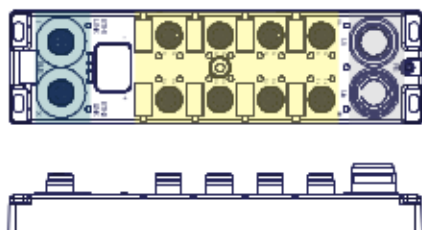
## MODBUS TCP



Brad® Harsh IO IP67 Modbus TCP Module 60mm

## Ordering Information

**Brad® Harsh IO IP67 Modbus TCP/IP Module - 60mm M12**



### Connectivity

|                                                                                                    |                                                                                                                                                           |                                                                                                                               |
|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <b>Ethernet:</b><br>2x Female M12 4P<br>D-Code<br>Built-in 2 port switch<br>Ultra-Lock® compatible | <b>Inputs/Outputs:</b><br>8x Female M12<br>5P A-Code Dual IO<br>signal per port<br>Inputs 24V max.<br>140mA Outputs<br>24V max. 2A Ultra-Lock® compatible | <b>Power:</b><br>1x Male 7/8"<br>4 or 5 Pole<br>1x Fem. 7/8"<br>4 or 5 Pole<br>Voltage: 24V Input<br>& Output, max.<br>8 Amps |
|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|

| Power Type                 | Input/ Output |        | Engineering No. | Standard Order No. |
|----------------------------|---------------|--------|-----------------|--------------------|
| 7/8" 5 Pole                | NPN           | 16I    | TCDEM-8D0N-D1U  | 112095-0007        |
|                            |               | 8I/8O  | TCDEM-888N-D1U  | 112095-0001        |
|                            |               | 12I/4O | TCDEM-8B4N-D1U  | 112095-0003        |
|                            |               | 14I/2O | TCDEM-8C2N-D1U  | 112095-0005        |
|                            | User Config.  |        | TCDEM-8YYY-D1U  | 112095-0009        |
|                            | PNP           | 16I    | TCDEM-8D0P-D1U  | 112095-0008        |
|                            |               | 8I/8O  | TCDEM-888P-D1U  | 112095-0002        |
|                            |               | 12I/4O | TCDEM-8B4P-D1U  | 112095-0004        |
|                            |               | 14I/2O | TCDEM-8C2P-D1U  | 112095-0006        |
| 7/8" 4 Pole <sup>(3)</sup> | NPN           | 16I    | TCDEM-8D0N-DYU  | 112095-5021        |
|                            |               | 8I/8O  | TCDEM-888N-DYU  | 112095-5024        |
|                            |               | 12I/4O | TCDEM-8B4N-DYU  | 112095-5023        |
|                            |               | 14I/2O | TCDEM-8C2N-DYU  | 112095-5022        |
|                            | User Config.  |        | TCDEM-8YYY-DYU  | 112095-5038        |
|                            | PNP           | 16I    | TCDEM-8D0P-DYU  | 112095-5025        |
|                            |               | 8I/8O  | TCDEM-888P-DYU  | 112095-5028        |
|                            |               | 12I/4O | TCDEM-8B4P-DYU  | 112095-5027        |
|                            |               | 14I/2O | TCDEM-8C2P-DYU  | 112095-5026        |

(1) Only on Harsh IO 60mm model.

(2) Not available on User Configurable IO model.

(3) 4 Poles Mini-Change® (7/8") cordsets are not listed in this brochure. For more information consult our web page or industrial automation catalog.