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**Part Number:** [112038-0005](#)  
**Status:** **Active**  
**Overview:** [Brad® Harsh-Duty IO Modules](#)  
**Description:** Brad® HarshIO Digital Module for Profibus, Compact 30mm, IP67, 4 Ports M12, 4 Inputs / 4 Outputs, NPN

**Documents:**

[Drawing \(PDF\)](#) [Product Literature \(PDF\)](#)  
[RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

UL E200650

**General**

Product Family Industrial I/O Modules  
 Series [112038](#)  
 Application Filling and Packaging Machines, Machine Tool Industry, Material Handling Systems  
 Approvals PI, UL, cUL, CE  
 Current - Maximum Output 1.4A per Channel  
 Format Compact (30mm)  
 I/O Ports 4x M12  
 IP Rating IP67  
 Mechanical Shock 10G, 11ms, 3 AXIS  
 Overview [Brad® Harsh-Duty IO Modules](#)  
 Product Literature Order No 987650-5282  
 Product Name HarshIO Profibus\* DP  
 Protocol Profibus\* DP  
 Software Downloads [/molex/mysst/searchBrad.action?itemSoftware=true&itemDocument=true&itemTechNote=true&itemDemo=true&RPP=10&legacy=false&partnumber=xxx](#)

UPC 78678890714

**Physical**

Bus Input 5-pole Micro-Change® (M12), B-Coded, Male  
 Bus Output 5-pole Micro-Change® (M12), B-Coded, Female  
 Housing Width 30.00mm  
 I/O Connector 5-pole Micro-Change® (M12), A-Coded, Female  
 I/O Signal Mix 4 input / 4 output  
 Power Input 5-pole Micro-Change® (M12), Male  
 Power Output None  
 Temperature Range - Operating -25°C to +70°C  
 Vibration IEC 60068-2-6

**Electrical**

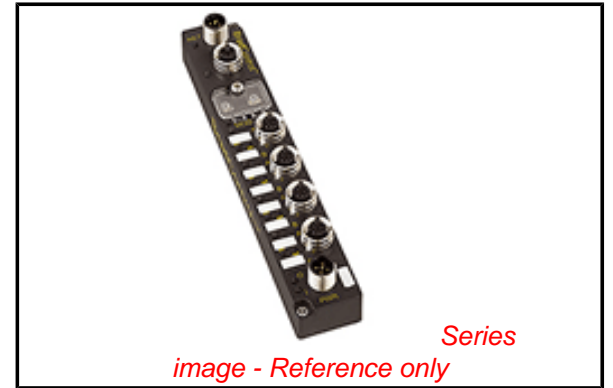
EMC IEC 61000-6-2  
 Input Delay 3 ms  
 Input Device Supply 140 mA per port at 25°C  
 Input Type NPN or Dry Contact

**Material Info**

Old Part Number TBDPB-444N-B8U

**Reference - Drawing Numbers**

Sales Drawing SD-112038-003, TBDPB-\*\*\*\*-B8\*



**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC Not Reviewed**  
**Low-Halogen Status Not Reviewed**

**China RoHS**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

112038Series

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