

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [1120985006](#)  
**Status:** **Active**  
**Overview:** Brad® HarshIO Modules  
**Description:** Brad® HarshIO Digital Module for CANopen\*, Compact 30mm, IP67, 8 Ports M8, 8 Inputs, NPN

**Documents:**

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

**Agency Certification**

UL E200650

**General**

Product Family Industrial I/O Modules  
 Series [112098](#)  
 Application Filling and Packaging Machines, Machine Tool Industry, Material Handling Systems  
 Approvals CiA, UL, cUL, CE  
 Current - Maximum Output N/A  
 Format Compact (30mm)  
 I/O Ports 8x M8  
 IP Rating IP67  
 Mechanical Shock 10G, 11ms, 3 AXIS  
 Overview [Brad® HarshIO Modules](#)  
 Product Literature Order No 987650-9332  
 Product Name HarshIO CanOpen\*  
 Protocol CANopen\*  
 Software Downloads TBDCO-8xxx-xxx  
 UPC 883906226671

**Physical**

Bus Input 5-pole Micro-Change® (M12), A-Coded, Male  
 Bus Output 5-pole Micro-Change® (M12), A-Coded, Female  
 Housing Width 30.00mm  
 I/O Connector 3-pole Nano-Change® (M8), Female  
 I/O Signal Mix 8 input  
 Power Input Via Bus Connector  
 Power Output None  
 Temperature Range - Operating -25°C to +70°C  
 Vibration IEC 60068-2-6

**Electrical**

EMC IEC 61000-6-2  
 Input Delay 2.5ms  
 Input Device Supply 200 mA per port at 25°C  
 Input Type NPN or Dry Contact

**Material Info**

Old Part Number TBDCO-880N-804

**Reference - Drawing Numbers**

Sales Drawing 1120985001, TBDCO-8\*\*\*-804



**EU ELV**

**Not Reviewed**

**EU RoHS**

**Not Reviewed**

**REACH SVHC**

Not Reviewed

**Halogen-Free**

**Status**

**Not Reviewed**

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

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

Not Reviewed

ELV

Not Reviewed

**Search Parts in this Series**

[112098](#) Series