

M8 B Code 5Pin Connector and Cable Assembly

Customer Presentation

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M8 B Code 5Pin Connector and Cable Assembly

Product Launches FY23

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Summary

1. The **M8 B Code 5Pin Connector and Cable Assembly** is a part of the **M8/M12 family**.
2. Wide area of **applications** such as:
 - Warehouse Automation Equipment
 - Motion and Drives
 - Industrial Robotics
 - Industrial Automation Controls
 - Industrial Machinery

Technology

- IP65 Standard of Protection
- Snap-Fit Installation
- Electrical capacity of 60V instead of 30V


Benefits


- Shorter **installation time** due to **snap fit** design
- The M8 B Code 5 Pin connector and cable assembly has **high performance** within a **compact** application
- Made to withstand **harsh conditions**


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M8/M12 Coding Guide


M8/M12 – THE CODINGS


A-coding:
Actuator-sensor plug connections for DeviceNet, IO link and Profibus


B-coding:
Fieldbus connections for Profibus and Interbus


D-coding:
Industrial Ethernet, Profinet, Ethernet/IP and EtherCat


S-coding:
Motor, Frequency-convertors, motor operated switches, PSUs for Power, 620 V, 12 A


T-coding:
Fieldbus comp, passive distribution boxes, motors, PSUs for Power, 63 V, 12 A


X-coding:
Cat6A, high-speed 10Gbit rugged industrial Ethernet applications IEC 61076-2-109


Size	Pins	Rated	Maximum Current per pin	Pollution grade
M8	3	60 V	4 A	3
M8	4	30 V	4 A	3
M12	3	250 V	4 A	3
M12	4	250 V	4 A	3
M12	5	60V	4 A	3
M12	8	60 V	2 A	3
M12	12	30 V	2 A	3




TE's M8 B Code 5Pin Connector & Cable Cross-Section


M8 B Code 5Pin Connector and Cable Assembly Advantages

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M8 B Code 5Pin Connector and Cable Assembly

- TE Connectivity's M8/M12 Connector System provides one complete solution to safely and reliably ensure efficient communication in industrial environments and decrease downtime.
- When communication simply needs to work in industrial environments, TE's M8/M12 system and complete Industrial Communications portfolio offer proven reliability that meet industry standards.

Advantages for the M8 B Code 5Pin Connector and Cable Assembly

Quick Install

Snap-fit enables a **quick install** as well as **shorter time to market** rather than a screw-in featured in previous applications.

Miniaturization

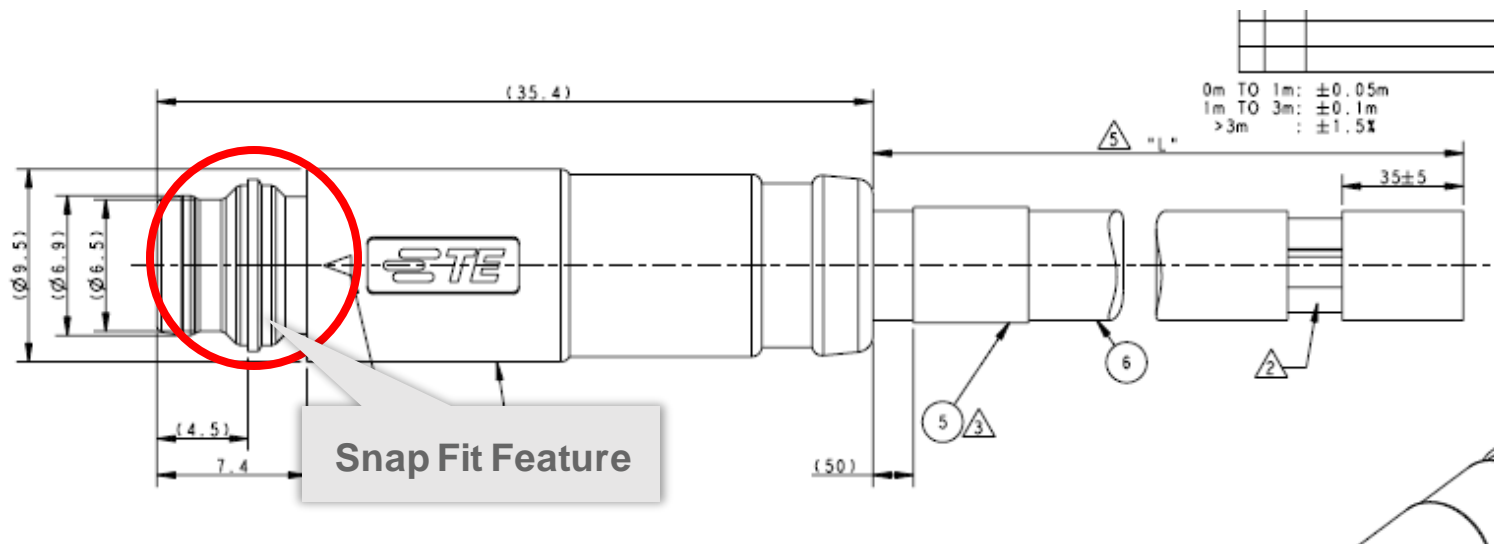
The M8 B Code 5 Pin connector and cable assembly has **high performance** within a **compact application**.

Reliable and Durable

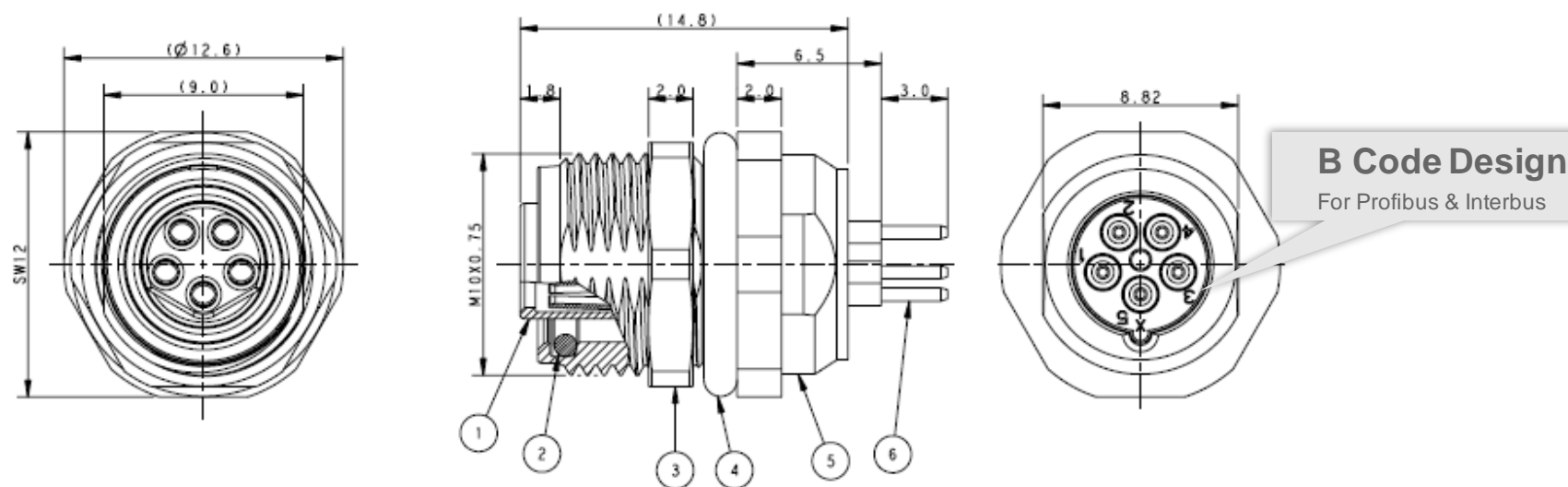
TE's connector and cable assemblies are made to **withstand harsh industrial environments**.

M8 B Code 5Pin Connector and Cable Assembly Design

Cordset



PCB Mount



Design-In Questions

Questions for your customer

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Questions

1. Is installation time of connectivity items in your equipment critical to your application?
2. Is preventing mismatching important for your application?
3. Is harsh environment connector capability like shock and vibration important for your application?
4. Is IP67 rating needed for your application?
5. What are the temperature ratings for your application?
6. What specifications and or standards does your application need or exceed?

More Information about TE Connectivity Connector and Cable Assemblies

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Frequently Asked Questions

- **How many contact points are there on the M8 B Code 5Pin Connector and Cable Assembly?**

There are 5 contact points on M8 B Code 5Pin products.

- **What lengths are the M8 B Code 5Pin Cable Assemblies available in?**

The M8 B Code Cable Assemblies are available in .5m, 1m, 1.5m, 2m, 2.5m, and 3m lengths.

- **What electrical capacity does the M8 B Code Cable and Connector Assembly contain?**

The M8 B Code 5pin connector and cable assembly has an electrical capacity of 60V.

- **What are some of the applications of the M8 B Code Cable and Connector Assembly?**

The assembly can be used in warehouse automation equipment, motion and drives, industrial robotics, industrial automation controls, and industrial machinery.

- **What standards do the M8 B Code 5Pin Connector and Cable Assembly follow?**

The M8 B Code 5Pin Connector and Cable Assembly follows the IP65 standard for connector and cable assemblies.

Don't Miss These Products:

In Association with the M8 B Code 5Pin Connector and Cable Assembly

Click [here](#) for the virtual sample kit

Click [here](#) for the product catalog

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M8/M12 CONNECTOR SYSTEM



T4113011041-000



T4111011041-000



T4110002041-000



T4112002041-000



T4013019031-000



T4011019031-000



T4010008031-000



T4012008031-000



2327989-1



T4140012051-000



T4145035051-001



T4131012051-000



T4162123004-001



T4152214004-001



T4062123003-001



T4052214003-001

CUSTOMER BENEFITS

- Reduce system downtime and meet the lifetime expectation of applications in harsh environments with reliable industry standard M8/M12 solutions that includes quick turn, prototype cord sets
- Decrease installation and tooling costs with easy to handle field installable connectors
- Supports higher bandwidth needs – meeting the transmission requirements of up to 10 Gb/s



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TECHNOLOGY
CONNECTS,
SO DOES HUMANITY.**

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