

EtherCAT Junction Box



Molex EtherCAT Junction Boxes support flexible wiring configurations and mounting options in Line, Tree or Star topologies in a compact footprint, which allows our customers' EtherCAT systems to stay operational in the event of a machine error requiring a shutdown

Features and Benefits

Several LED Indicators

Allow operators to quickly assess box status and connection and activity of each port

DIN-Rail or Vertical Screw Mount

Provides flexibility for automation system setup choices

Three Rotary dials for Identification

(Not related to ECAT addressing)

Low-profile M8 Power Connector

Industry-standard connection that takes up a minimal amount of space

8 or 12 Shielded RJ45 EtherCAT Ports

Shielded connection ensures optimal signal integrity and minimal interruption to your plant's vital automation processes

A Unique, Compact Housing

Space-saving design provides mechanical integrity to ensure continuous functionality

Durable Metal Enclosure

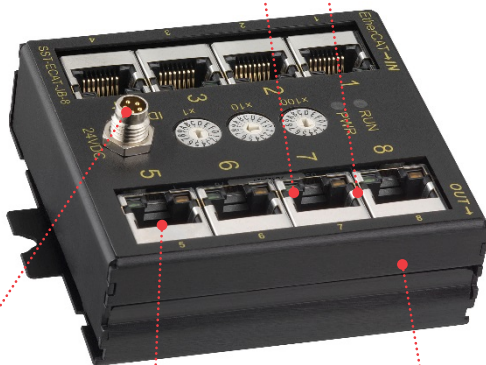
Helps enhance mechanical integrity for devices typically found in harsher, industrial environments



8-port EtherCAT Junction Box



12-port EtherCAT Junction Box



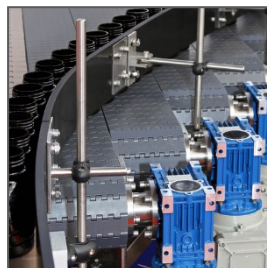
Applications

Machine Builders

- Compact machines
- CNC Machines
- Food Processing
- Filling and Bottling
- Plastic Injection

Factory Automation

- Automotive
- Robot and Tool Makers
- Material Handling
- Packaging
- Automatic Guided Vehicle



Material Handling



Robot Cells

Specifications

CONNECTIVITY FUNCTIONS

Full duplex
Auto negotiation
Auto polarity
100 Mbps port speed
Hot connect

ENVIRONMENTAL

Operating RH level: 5% to 95%, non-condensation
Storage temperature: -40 to 85°C
Operating temperature: 0 to 60°C

PHYSICAL

Metal enclosure
Shielded RJ45 connectors
Link/activity LEDs
Two status LED indicators: PWR and RUN
3 rotary dials for identifying each device
DIN-Rail mountable or screw-hole ready
5-pin M8 connector for 24V DC
Dimensions: 8-port: 80x75x25
12-port: 113.3x75x25

ELECTRICAL

Current consumption:
8-port 200mA, 12-port 300mA @ 24V DC
Voltage: 24V DC
Weight: 8-port 160g, 12-port 220g

REGULATORY APPROVALS

CE, FCC Part 15, RoHS, UL

Ordering Information

Series No.	Engineering No.	Description
1203630001	SST-ECAT-JB-8	8-Port EtherCAT Junction Box
1203630002	SST-ECAT-JB-12	12-Port EtherCAT Junction Box