# Jetter
## automation

# JX3-BN-EC
## Expansion modul

## Short description

The EtherCAT® bus node JX3-BN-EC is a gateway between an EtherCAT® master and JX3-I/O modules by Jetter.

JX3-BN-EC modules are used for the purpose of setting up distributed I/O stations. They enable synchronous communication between controller and distributed JX3 peripheral modules via EtherCAT®.

## Features

- Automatic addressing
- CoE (CAN application protocol over EtherCAT®) is supported
- EtherCAT® modular device profile compliant
- Synchronous communication using distributed clocks (DC Sync)
- Up to 32 JX3 expansion modules can be connected
- LEDs indicate the state of communication and supply voltage.
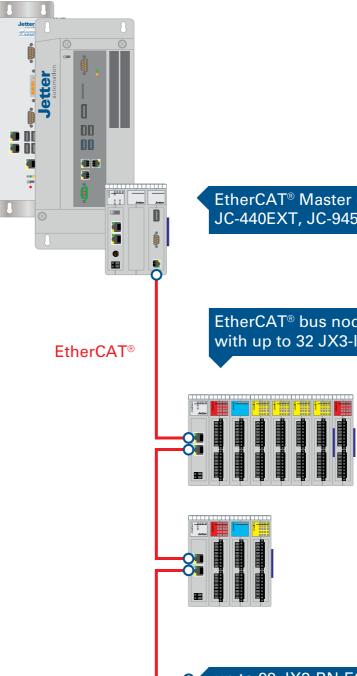
# JX3-BN-EC

## Technical Data

| | JX3-BN-EC |
|---|---|
| LED membrane | RAL 7035, light gray |
| Degree of protection | IP20 |
| Operating temperature | 0 °C … +50 °C |
| Storage temperature | -40 °C … +70 °C |
| Air humidity | 10 ... 95 %, non-condensing |
| Mechanical installation | DIN rail to EN 5002 – 35 x 7.5, or EN 50022 – 35 x 15 |
| Mounting orientation | Vertical |
| Labeling system | Standard terminal labels |
| Certifications | CE |
| Rated input voltage | DC 24 V (-15 … + 20 %) |
| Input current | 1 A max. (incl. JX3 modules) |
| Power consumption | 24 W max. (incl. JX3 modules) |
| Protection against polarity reversal | Integrated |
| Diagnostic LEDs | 6 |
| Ports and interfaces | EtherCAT®, JX3 system bus |
| Power supply terminal | 2 pins, 3.5 mm, spring-cage connection |
| Dimensions (W x H x D) | 25 x 131 x 101 mm |

Further details and order information are available on request. Specifications are subject to change without notice. Errors and omissions excepted.

## Ordering Informations

10001584 - JX3-BN-EC

## System overview

EtherCAT®

EtherCAT® Master e.g.
JC-440EXT, JC-945MC, JC-975MC

EtherCAT® bus node JX3-BN-EC
with up to 32 JX3-IO peripheral modules

up to 99 JX3-BN-EC