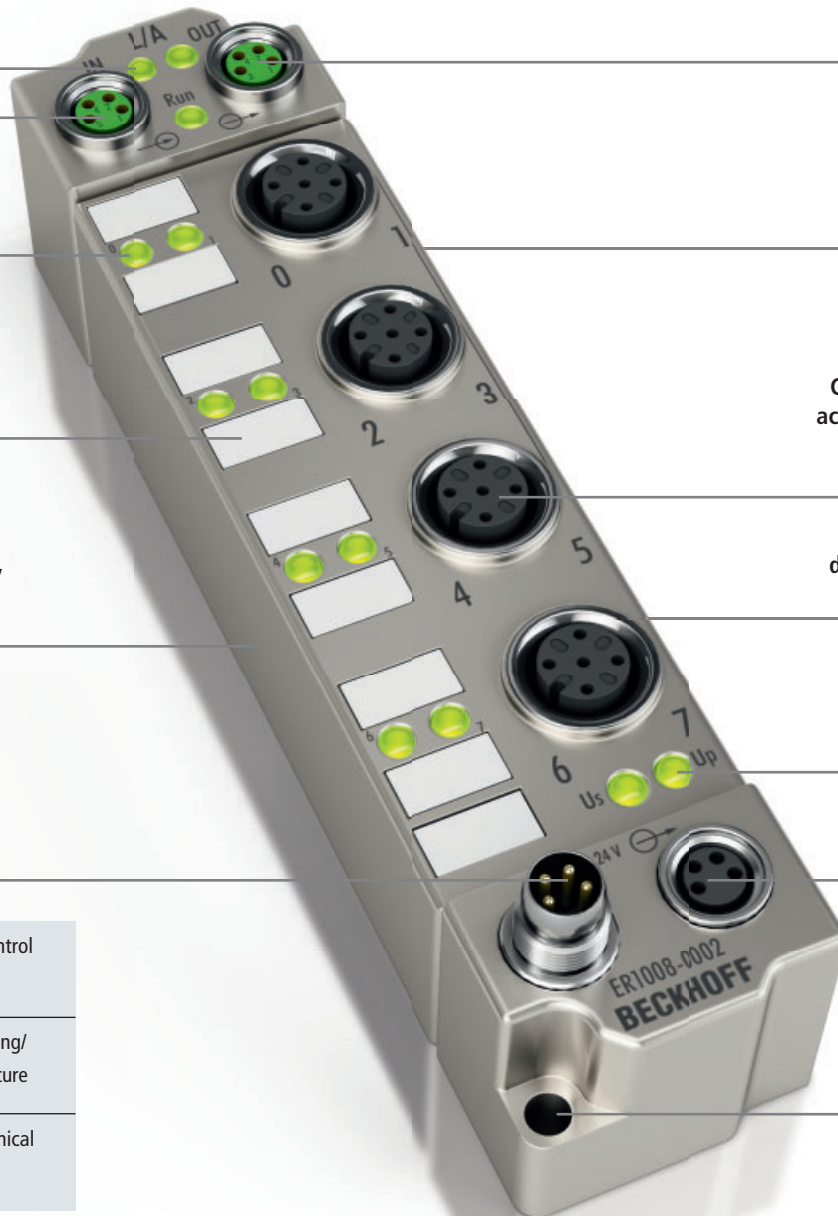


ERxxxx | EtherCAT Box (zinc die-cast housing)



Signal status

EtherCAT input

Signal status display

Standard labels

Watertight and dust-proof,
due to protection class
IP 65/66/67 (fully potted)

Power supply input
– box supply
– auxiliary voltage

EtherCAT output

Metal housing
for industrial
application

Connection of sensors/
actuators via connector:
– M8, screw type
– M12, screw type

Ultra compact
dimensions (H x W x D)
126 x 30 x 26.5 mm

Power supply
status display:
box supply and
auxiliary voltage

Power supply down-
stream connection

Mounting holes



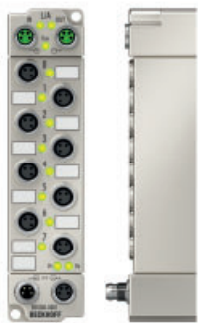
eXtreme Fast Control
Technology



Extended operating/
storage temperature
+60 °C
-25 °C



Extended mechanical
load
35 g

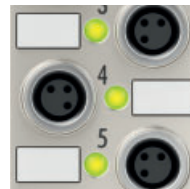


8 x M8, 4 x M12
(126 x 30 x 26.5 mm)



16 x M8, 8 x M12
(126 x 60 x 26.5 mm)

I/O connections



Connector M8,
screw type, 3-pin



Connector M12,
screw type, 5-pin

The EtherCAT Box system is complemented by the ERxxxx modules with zinc die-cast housing. The housing shape of the ER series modules is identical to the plastic housings of the EP series. The zinc die-cast housing makes the IP 67 modules particularly robust, so that they are ready for use in harsh industrial and process environments. With the fully sealed design and metal surfaces the ER series is ideal for applications requiring enhanced load capacity and protection against weld spatter, for example. The ER series is the optimum complement to the plastic and stainless steel housing versions. All modules are compatible.

The EtherCAT Box modules with zinc die-cast housing cover the typical I/O signals: digital inputs with various filters, digital outputs with 0.5 A output current, and combi modules with

freely configurable digital inputs or outputs. In addition, analog input modules for current/voltage measurement are available. Temperature measurement modules, serial interfaces, encoder inputs and motion modules complement the product range. The modules are available in a slim 30 mm or the broader 60 mm format with different channel options, covering a wide I/O range. Signals can be connected via M8 or M12 connectors.

The modules of the ER series have an EtherCAT interface. Power supply and transmission takes place via M8 connectors or sockets. For high-current outputs, modules with 7/8" power supply and M12 EtherCAT sockets are available.

ERxxxx-00yz

- 1 = connector M8, screw type, 3-pin
- 2 = connector M12, screw type, 5-pin
- 0 = width: 30 mm
- 2 = width: 60 mm
- 3 = 7/8" infeed
- Signals see page 466