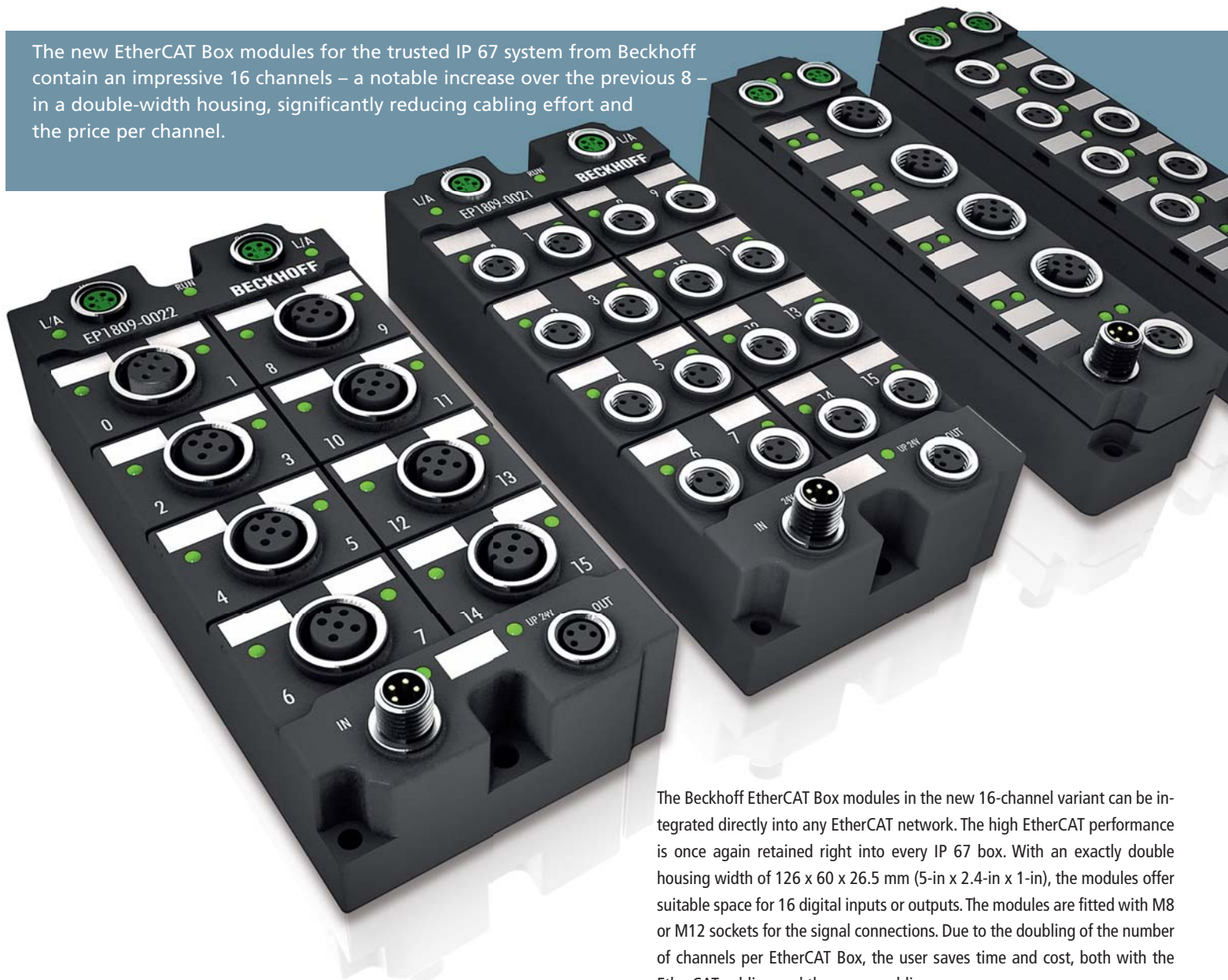


Beckhoff EtherCAT Box: High channel density for harsh environments

Durable IP 67 modules with 16 channels reduce cabling effort

The new EtherCAT Box modules for the trusted IP 67 system from Beckhoff contain an impressive 16 channels – a notable increase over the previous 8 – in a double-width housing, significantly reducing cabling effort and the price per channel.



The Beckhoff EtherCAT Box modules in the new 16-channel variant can be integrated directly into any EtherCAT network. The high EtherCAT performance is once again retained right into every IP 67 box. With an exactly double housing width of 126 x 60 x 26.5 mm (5-in x 2.4-in x 1-in), the modules offer suitable space for 16 digital inputs or outputs. The modules are fitted with M8 or M12 sockets for the signal connections. Due to the doubling of the number of channels per EtherCAT Box, the user saves time and cost, both with the EtherCAT cabling and the power cabling.

The following I/O variants are available, in each case with optional M8 or M12 screw connectors:

- | EP1809: 16-channel digital input
- | EP2809: 16-channel digital output
- | EP2339: 16-channel digital I/O (freely configurable)



The 16-channel EtherCAT Box in the EPxxxx-0021 variant contains 16 M8 screw type connectors.

The 16-channel EtherCAT Box in the EPxxxx-0022 variant contains 8 M12 screw type connectors (2 channels per M12 connector).

The mounting points are taken over by the compact, 30 mm (1.2-in) wide EtherCAT Box modules, so that the 16-channel box modules can be installed conveniently with the same grid spacing. Two central drill holes are additionally provided for M4 screws: this way, decentralized distribution in the machine, e.g. on mounting profiles, is easily possible.

The EtherCAT connection is established via screened M8 screw connectors. The robust design of the EtherCAT Box modules enables them to be used directly at the machine. Control cabinets and terminal boxes are now no longer required. The modules are fully sealed and therefore ideally prepared for wet, dirty or dusty conditions. Pre-assembled cables significantly simplify EtherCAT and signal wiring. Commissioning is optimized. In addition to pre-assembled EtherCAT, power and sensor cables, field-configurable connectors and cables are available for maximum flexibility.

