MOVI-C® FIELD CONTROLLER





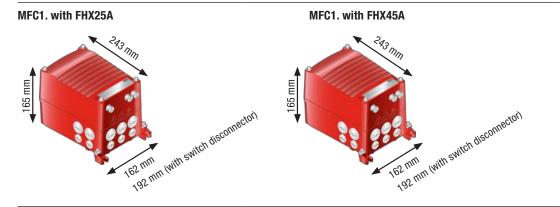
Decentralized motion and logic controller

The MOVI-C® FIELD CONTROLLER can be operated on virtually all standard industrial fieldbus systems (PROFINET, EtherNet/IP™, Modbus TCP). As an EtherCAT®/SBusPLUS master, the MOVI-C® FIELD CONTROLLER controls drive axes in the "DSI" communication variant and other EtherCAT® devices. Up to 16 drive axes can be controlled and, thanks to optimized startup and diagnostics, the level of engineering work required is significantly reduced. The MOVI-C® FIELD CONTROLLER ensures systems can be easily modularized, thus easing the load on fieldbus networks.

Features/equipment	 Decentralized motion and logic controller Can be linked to almost all conventional control systems (PROFINET, EtherNet/IP™, Modbus TCP) Suitable for many applications thanks to housing's high degree of protection High-performance and user-friendly startup: MOVIRUN® software platform modules for parameterization and programming Operation: MOVIKIT® software modules, function blocks for straightforward speed control, positioning, mechanically coupled axes and much more besides PROFIsafe routing to the axis modules 1 × Ethernet (10/100 BaseT) for engineering or TCP/IP and UDP via IEC 61131-3 1 × EtherCAT®/SBusPLUS master with integrated star distributor Optional: D01 switch disconnector for disconnecting lower-level drive axes
MOVI-C® FIELD CONTROLLER standard	 1 × CAN Status display for PLC and fieldbus SD memory card ≤ 2 interpolating axes and ≤ 6 auxiliary axes Web visualization
MOVI-C® FIELD CONTROLLER advanced	 1 × CAN 1 × RS485 Status display for PLC and fieldbus SD memory card ≤ 8 interpolating axes and ≤ 8 auxiliary axes Web visualization
Communication variants	FHX.5A-N: PROFINET slave FHX.5A-E: EtherNet/IP™ slave, Modbus TCP slave
Benefits	 End-to-end software platform featuring the controllers in the control cabinet technology range from SEW-EURODRIVE Reduces system complexity and the capacity utilization of fieldbus networks thanks to straightforward modularization Easy to replace lower-level drive components thanks to integrated data management Supports condition monitoring MOVIKIT® single- and multi-axis modules that have been tested in advance reduce costs and complexity; alternatively, users can also write their own programs Simple, centralized data management using auto reload function for axis replacement

Plug connectors	 DC 24 V with M12 plug connector (5-pin, L-coded) as an option Fieldbus connection (M12, 4-pin, D-coded) EtherCAT®/SBusPLUS connection (depending on configuration: MINI-IO, M12 or M23 hybrid plug connector) AC 400 V connection for transferring to the lower-level drive axes Optional: PA M23 hybrid plug connector (AC 400 V and DC 24 V) Optional: PAC M23 hybrid plug connector (AC 400 V, DC 24 V and communication)
Certifications/conformity	CE (Europe) / CMIM (Morocco) / RCM (Australia) / UA.TR (Ukraine) In preparation: EAC (Russia, Belarus and Kazakhstan) / UL-approved (USA and Canada)
Areas of application	From simple to intelligent conveyor lines or for other multi-axis applications (in combination with drive technology in the DSI communication variant) A large number of applications with pretested software modules are possible

Dimensions and weight



3.7 kg

Ambient conditions

Degree of protection	IP65 to EN 60529
Ambient temperature	-25 °C to +60 °C (reduction in power from 40 °C)
Proof of mechanical strength	3M7/5M2 to DIN EN 60721-3-3/5

Example installation of MOVI-C® FIELD CONTROLLER with PAC hybrid cable

