

## MOVIPRO® for MAXOLUTION® system solutions



**Specific MOVIPRO® variant with expanded functions as drive and system controller for MAXOLUTION® system solutions**

### Features

- Power range 0.75 ... 22 kW
- Up to 3 axes can be integrated
- Speed control and positioning
- Control and supply of external actuators (auxiliary axes)
- Fieldbus and network interfaces
- Integrated DIO
- Pluggable interfaces for power, motor and encoder
- Robust and compact aluminum housing
- IP54 degree of protection

## safetyDRIVE

### Functional safety

#### MOVISAFE®: Integrated functional safety

- Safe Torque Off (STO) up to category 3 and PL d according to EN ISO 13849-1

**MOVIPRO® additional functions for  
MAXOLUTION® system solutions**
**Positioning and navigation**

Accurate track positioning and inductive or optical track guidance

**Communication**

WNI

Contactless communication for slotted microwave guide, radiating cable or radio

- Network structure
- Standard Ethernet based products

**Energy supply**

Contactless energy supply with MOVITRANS® for mobile systems

**Energy management**

Energy storage with quick charging

- Contactless/inductive with MOVITRANS®
- Management of peak powers and regenerative energy

**safetyDRIVE functional safety**

- The “Safe PLC PFF-HM31” meets the safety requirements of MAXOLUTION® system solutions; Based on EN 61800-5-2, ready to use drive and application modules are available for mobile materials handling technology
  - SLS, SLP for drive and lifting axes
  - Safe range changeover
  - Safe detection of movement and position
- Hardware assignment:
  - Safe digital inputs (OSSD-capable and outputs)
  - Safe counter inputs
  - CAN and RS485 interfaces
- Certification:
  - SIL 3, IE 61508
  - PL e EN ISO 13849-1
- Communication:
  - safeethernet (master and slave)
  - Modbus TCP/UDP (Master)
  - Safe communication (safeethernet, SIL 3), also possible via WLAN

**Software alternatives**

- Parameterizable plant software MOVIVISION®
  - Configuration, operation and diagnostics of the system solution
  - Central data management
  - No programming required
  - Standardized system functions for mobile systems
- Free programming with MOVI-PLC® according to the IEC 61131 standard and PLCopen for system-specific or complex functions
- Programming or parameterization of safety functions with the graphical interface SILworX