

Decentralized Inverters MOVIPRO® Technology

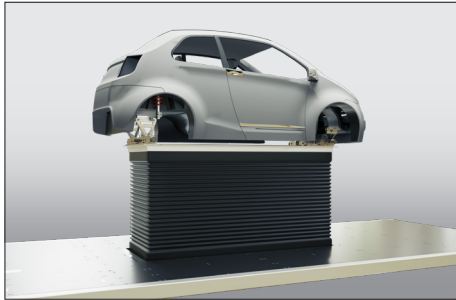


POSSIBLE USES / TYPICAL APPLICATIONS



Pallet transfer shuttles

- Conveying systems in logistics centers



Skillets with a lift table

- Lifting mechanisms for vehicle bodies in automobile production



Hoist

- For intralogistics applications

THE ADVANTAGES AT A GLANCE



End-to-end!

- Standardized MOVI-C® portfolio based on the MOVIDRIVE® platform
- Combine control cabinet installation and decentralized installation as required



Powerful!

- Applications with motor power ratings up to 30 kW can be realized on a decentralized basis
- High overload capacity supports dynamic operation



Scalable!

- Numerous options from the MOVIDRIVE® platform can be used
- Different installation topologies thanks to range of connection configurations



Flexible!

- Scalable functional safety with STO and expansion opportunities thanks to various options
- Numerous user and operating interfaces from the MOVI-C® portfolio can be configured

OVERVIEW OF THE TECHNOLOGY

- Available in 4 sizes and 9 power classes
- Operating synchronous/asynchronous motors, 200% overload capacity
- MOVILINK® DDI motor interface or evaluation of standard motor encoders (sin/cos, TTL/HTL, HIPERFACE®, RS422)
- Distance encoder evaluation for all standard external encoder systems (EnDat 2.1, SSI, sin/cos, TTL/HTL, HIPERFACE®, RS422, CANopen)
- Integrated STO (Safe Torque Off), PL e to EN ISO 13849-1:2015
- Safety options (/S..) for secure communication, secure digital inputs/ outputs, safe motion functions, and safe positioning
- Communication interfaces:
DFC: PROFINET, EtherNet/IP™, Modbus TCP, POWERLINK/CiA 402
DSI: Direct System Bus Installation (EtherCAT®/SBusPLUS, EtherCAT®/CiA 402)



	MPX22A..		MPX23A..	
Size	Size 2 Short heat sink	Size 2E Long heat sink	Size 3 Heat sink without active cooling	Size 3E Heat sink with active cooling
Nominal output current A	5.5 / 7 / 9.5	12.5 / 16	24 / 32	46 / 62
Performance class kW	2.2 / 3 / 4	5.5 / 7.5	11 / 15	22 / 30
Dimensions W × H × D (mm) without interface box	480 × 300 × 162	480 × 300 × 202	570 × 420 × 202	570 × 420 × 209
Dimensions W × H × D (mm) with interface box	620 × 364 × 180	620 × 364 × 220	720 × 420 × 220	720 × 420 × 227