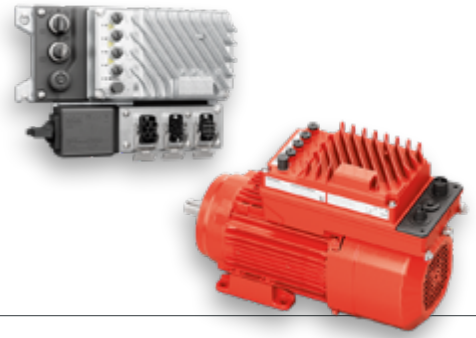


MOVIONE® – Drive unit Decentralized inverter



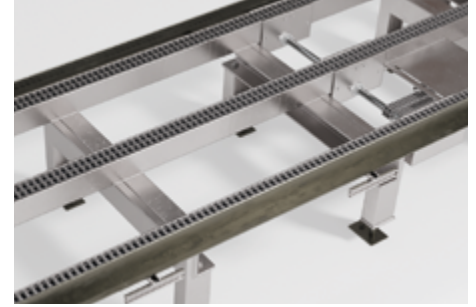
Potential uses / typical applications



Package logistics and distribution



Warehouse technology and order picking



Materials handling technology also in the deep-freeze area

The advantages at a glance

- ✓ **Standardized!**
Whether you choose a mechatronic drive unit with integrated inverter or a decentralized inverter, installed close to the motor: MOVIONE® is the standardized inverter that simplifies your applications while saving time and costs.
- ✓ **Optimized!**
Optimized specifically for use in horizontal materials handling technology, MOVIONE® combines technical performance with high cost efficiency.
- ✓ **Consistent!**
From the gearmotor through to control technology and engineering software: The consistent integration into the MOVI-C® modular automation system enables synergies during planning and startup.
- ✓ **Efficient!**
Whether in partial or full load operation, energy-efficient motors with synchronous technology and ECO2 design sustainably reduce energy requirements and the CO₂ equivalent.

Overview of the technology

A standardized inverter

- Operation of synchronous and asynchronous motors without encoder
- 0.25 kW – 1.5 kW motor power
- 4 A nominal output current; 200% overload capacity
- Communication: PROFINET
- Safety technology without surcharge (STO, SS1, F-DI)
- Integrated brake control; local engineering interface
- Temperature range: -30 °C – 40 °C

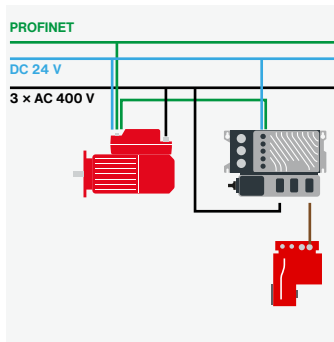
MOVIONE® decentralized inverter

- Selectable options:
 - Local control elements
 - Maintenance switches
- Optional connection technology:
 - 1 × S15* (In) or 2 × S15* (In & Out)
 - 1 × HAN Q4/2 (In) or 2 × HAN Q4/2 (In & Out)
- HAN Q8/0 motor output plug

MOVIONE® drive unit

- Optional connection technology:
 - 1 × S15* (In) or 2 × S15* (In & Out)
- Inverter can be mounted rotated by 180°

* Compatible with MQ15



Supported motor sizes; star connection	DRN 71MS	DRN 71M	DRN 80MK	DRN 80M	DRN 90S	DRN 90L
Nominal power kW	0.25	0.37	0.55	0.75	1.1	1.5
Nominal torque Nm	1.7	2.5	3.65	4.95	7.2	9.8

Supported motor sizes	DR2C 71MKAR	DR2C 71MKA	DR2C 71MSAR	DR2C 71MSA	DR2C 71MA	DR2C 80MKA	
Nominal power kW	Speed class 2000	0.25	0.37	0.55	0.75	1.1	1.5
	Speed class 3000	0.37	0.55	0.75	1.1	1.5	-
Nominal torque Nm	Speed class 2000	1.19	1.77	2.65	3.3	4.95	7.1
	Speed class 3000	1.18	1.75	2.4	3.55	5.3	-

All brake types and braking torques of the respective motor size can be controlled.

