

**Simple and efficient –
the new decentralized drive unit**

MOVIFIT® compact



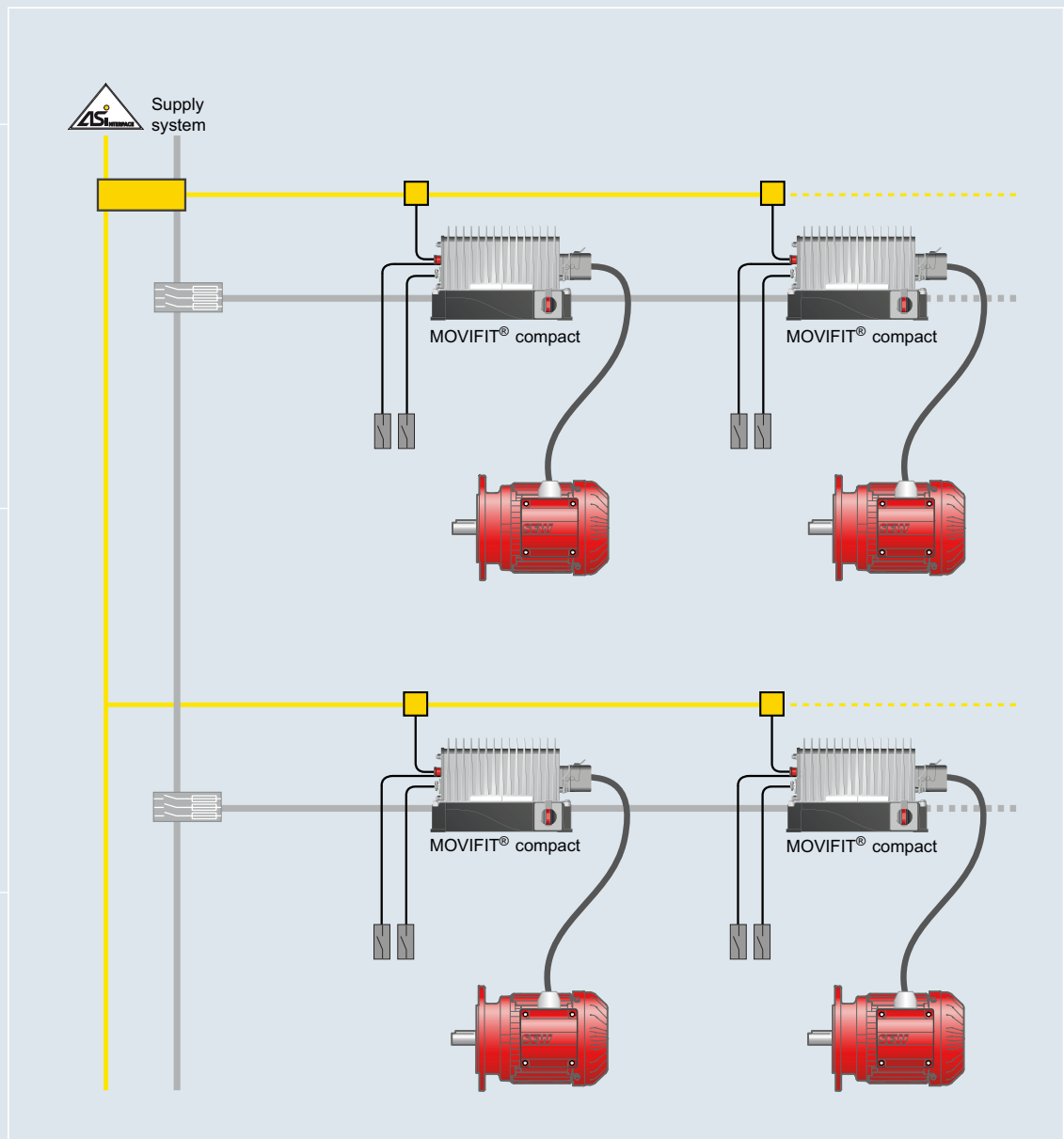
Minimal effort – maximum effect

For years, decentralized drive concepts in automated material handling systems have been associated with efficiency and profitability. As an expert in the field of decentralized drive technology, SEW-EURODRIVE offers a comprehensive range of optimized components and systems.

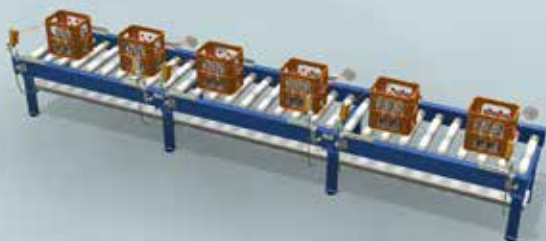
Especially in intralogistics, the demand for simple and cost-effective concepts is greater than ever. Systematic reduction to the required functions offers additional saving potential. By implementing and integrating simple user interfaces, you can achieve extremely short installation times and significantly reduce the investment costs for a system.

This is why SEW-EURODRIVE has consistently added new products to its portfolio and now offers a new generation of the decentralized drive unit MOVIFIT® compact as basic motor starter or basic inverter that was specifically designed for intralogistics applications. MOVIFIT® compact provides specific unit functions that drive simple applications in horizontal materials handling in a reliable and cost-effective way.





Installation diagram with MOVIFIT® compact

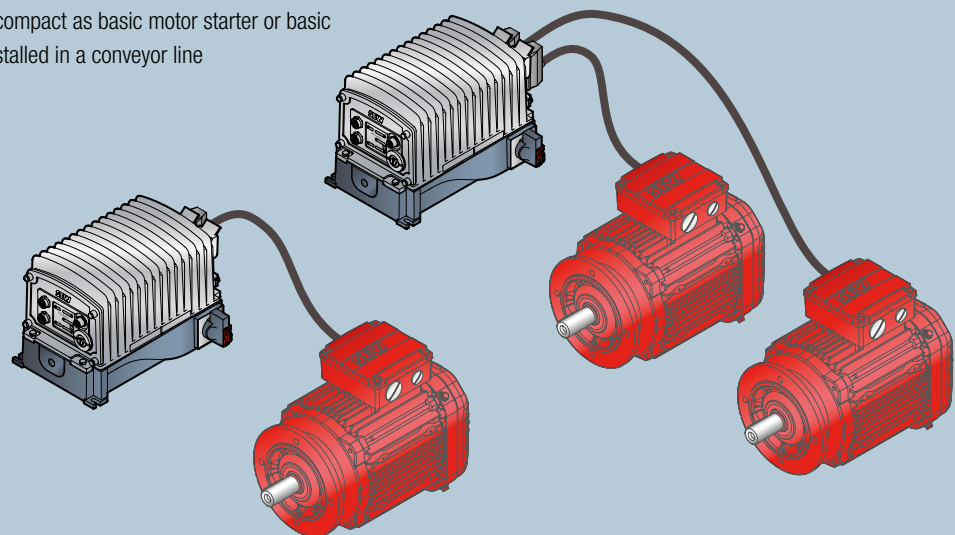


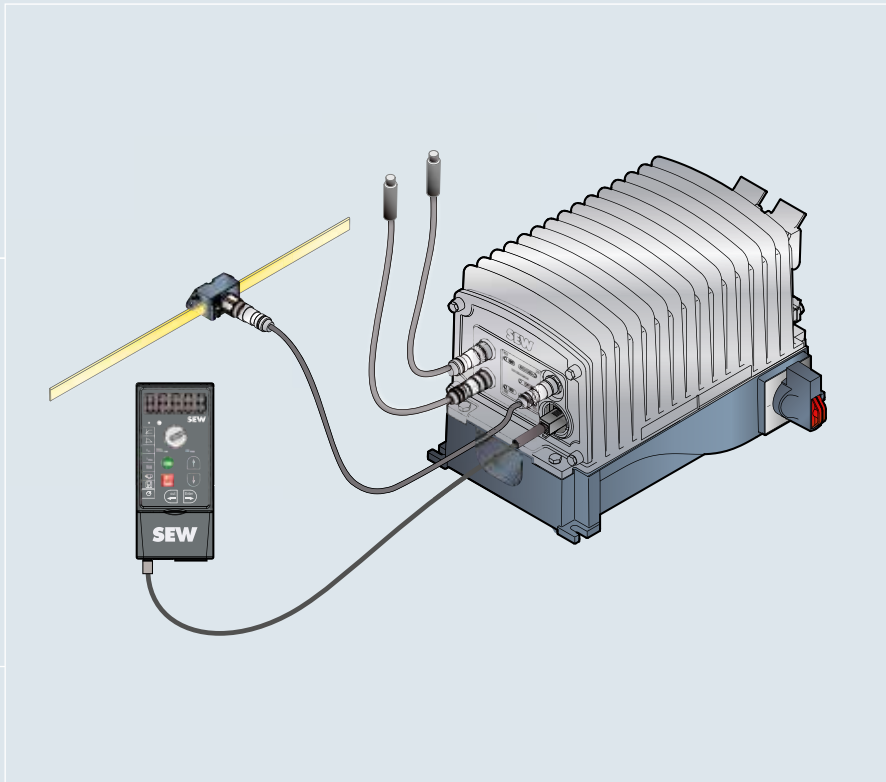
NEW for simple drive requirements in horizontal materials handling: MOVIFIT® compact, the decentralized drive unit as basic motor starter or basic inverter. Just one single drive component, reduced to the required functionality. Areas of application: for example, intralogistics, package or pallet conveyor belts, bottle or crate transport and many other goods in the beverage industry.

Installation and accessories: Perfectly optimized

The installation concept of MOVIFIT® compact convinces by its simple connection and wiring technology that enables quick and user-friendly startup. The new decentralized drive unit is equipped with the established integrated contact block for energy distribution as well as the new option of an integrated maintenance switch. The consistent use of standard plug connectors for control and motor connection allow for extremely short mounting and installation times.

MOVIFIT® compact as basic motor starter or basic inverter, installed in a conveyor line





In connection with AS-Interface, you can connect two sensors to the unit for direct communication with the plant PLC without any additional costs. Not only the technical features, but also the easy

handling of the decentralized MOVIFIT® compact drive unit offers many advantages that pay off very quickly, especially when implementing extensive material handling systems.



The component with an interesting price/performance ratio

Systematic simplicity

Even before installing it, MOVIFIT® compact will convince you with straightforward and fast order processing. All you need to do is select the required power rating and control, AS-Interface or binary, and order one of eight available unit variants by entering the part number; no additional consulting or project planning effort required.

Technical data: Basic inverter MOVIFIT® compact

Function	Frequency inverter with parameterizable ramps and up to 4 fixed speeds					
Control	AS-Interface			Binary control signals		
Max. motor power kW	0.75	1.1	1.5	0.75	1.1	1.5
Supply voltage V _{AC}	AC 3x 380 -10% – 480 +10%					
Line frequency Hz	50/60					
Line connection	FieldPower® contact block*					
Line protection	External					
Ambient temperature	-20 °C – +40 °C					
Degree of protection	IP55					
Service interface	For connecting the keypad or the interface for MOVITOOLS® MotionStudio					
Connection control	M12 plug connector 1x male / 2x female			M12 plug connector 2x male / 1x female		
Inputs and outputs	2 digital inputs for connecting external sensors			4 control inputs 1 digital output DC 24 V output		
Brake control	– Switched power output at the controller – Brake voltage = line voltage – BG rectifier in motor terminal box					
Options	– Built-in EMC filter: Facilitates EMC-compliant installation – Built-in main switch: Simply switch off the inverter individually during maintenance work					
Dimensions L x W x H mm	255 x 150 x 159					

Systematic concept

MOVIFIT® compact is ideally suited as a reversing starter or as a dual-motor starter.

The reversing starter enables motor operation in two directions of rotation. The dual-motor starter allows for operation with two motors that convey the material flow in one direction independently of one another. In this extremely efficient concept, 2 motors share one MOVIFIT® compact drive unit.

Technical data: Basic motor starter MOVIFIT® compact

Function	Reversing	Duo	Reversing	Duo
Control	AS-Interface		Binary control signals	
Max. motor power kW	2.2 and 4	2x 2.2	2.2 and 4	2x 2.2
Supply voltage V _{AC}	AC 3x 380 -10% – 480 +10%			
Line frequency Hz	50/60			
Line connection	FieldPower® contact block*			
Line protection	External			
Ambient temperature	-20 °C – +40 °C			
Degree of protection	IP55			
Service interface	For connecting the keypad or the interface for MOVITOOLS® MotionStudio			
Controller connection	M12 plug connector 1x male / 2x female		M12 plug connector 2x male / 1x female	
Inputs and outputs	2 digital inputs for connecting external sensors		3 control inputs 1 digital output DC 24 V output	
Brake control	– Supply via motor connection – Brake voltage = line voltage – BG rectifier in motor terminal box			
Options	Built-in main switch: Simply switch off the inverter individually during maintenance work			
Dimensions L x W x H mm	255 x 150 x 159			

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