

MOVITRANS®

Contactless energy transfer



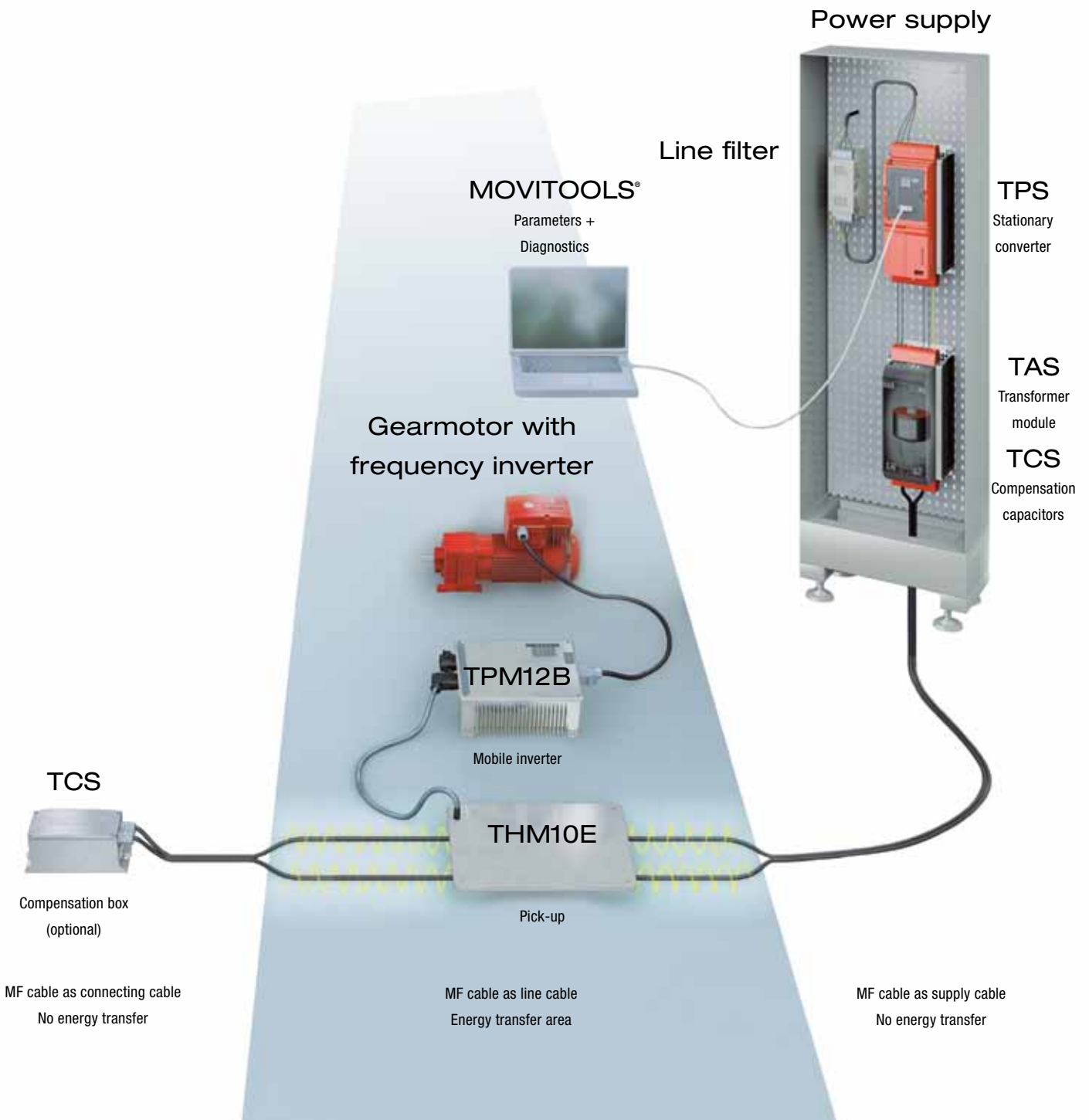
Features	<ul style="list-style-type: none"> – MOVITRANS®, the contactless energy transfer system from SEW-EURODRIVE, works on the principle of inductive energy transfer – Electrical energy is transferred without contact from a fixed conductor to one or more mobile consumers – The electromagnetic connection is made via an air gap and is not subject to wear; it is therefore maintenance-free – Contactless energy transfer is emission-free and resistant to contamination from external sources – Tested according to BGV B11
Areas of application	<ul style="list-style-type: none"> – Perfect supply system for all mobile applications – Long distances are covered at high speed – When maintenance-free operation is required – When additional environmental contaminants are not permitted in sensitive areas – In wet and humid areas
Stationary components	
TPS stationary converter	<ul style="list-style-type: none"> – Power: 4.0 kW or 16.0 kW – V_{line}: 380 V ... 500 V \pm 10% – Degree of protection: IP20
TAS transformer module	<ul style="list-style-type: none"> – Power: 4.0 kW or 16.0 kW – I_A: 60 A or 85 A – Degree of protection: IP10
TSC compensation capacitors	<ul style="list-style-type: none"> – Capacitance values: 2 μF, 4 μF, 8 μF, 16 μF or 32 μF – Output current: 60 A or 85 A – Degree of protection: IP00

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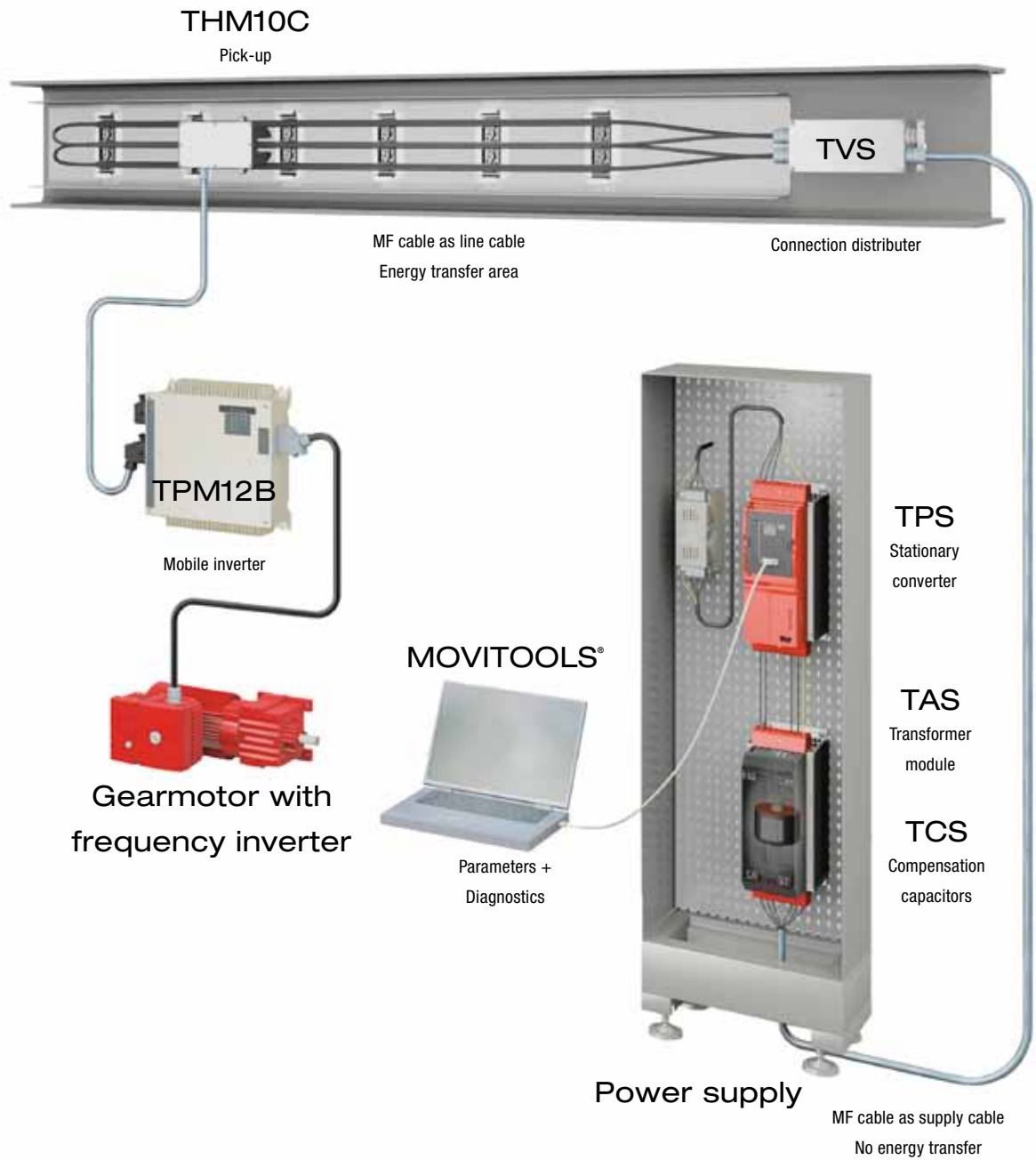
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Mobile components

TPM12B mobile converter	<ul style="list-style-type: none"> – Rated output power: <ul style="list-style-type: none"> - when connection 4x THM10C: max. 3.6 kW - when connecting 2x THM10E: max. 3.0 kW – Output voltage: DC 500 V – Additional output voltage: 24 V, max. 2 A – Degree of protection: IP65
THM10E pick-up	<ul style="list-style-type: none"> – Power: 1.5 kW – Degree of protection: IP65
THM10C pick-up	<ul style="list-style-type: none"> – Rated power: 0.8 kW – Peak power: 0.9 kW – Degree of protection: IP65
TVS connection distributor	<ul style="list-style-type: none"> – Degree of protection: IP65 – Output current: 60 A or 85 A
TCS compensation box	<ul style="list-style-type: none"> – Degree of protection: IP65 – Output current: 60 A or 85 A – Compensates a travel distance of 25 to 30 m



MOVITRANS® with flat pick-up (THM10E)



MOVITRANS® with U-shaped
pick-up (THM10C)

TIS
Installation components
for line cable support

