

FREQUENCY INVERTER

for vibratory feeders

New
**GENERA-
TION**

SP01262

JUST A FEW STEPS

to get started

CONTINUOUS

acceleration measurement & readjustment

INDIVIDUALLY

assignable inputs and outputs



HIGHLIGHTS OF THE NEW GENERATION

- **Optimized control & perfected resonance search**
for optimally controlled feeding behavior even in very sophisticated systems
- **Extended interface variety**
More digital and analog inputs for maximum flexibility in application
- **More powerful control supply**
200 mA instead of the previous 100 mA – ideal for direct control of solenoid valves
- **Direct USB-C interface**
No adapter or converter required – modern connection with minimal effort
- **variable selection of connections**
M12 ports fully configurable via software
- **Intuitive menu navigation directly on the device**
All functions can also be conveniently operated via the display

- **Modern display**
Large, illuminated display with language selection between German and English
- **High-signal release buttons**
Large LED buttons in red and green – immediately visible and unambiguous
- **Simple parameterization**
Integrated device configuration without additional configuration files (.akf)
- **Oscilloscope function**
Diagnosis and analysis via MEDI PC software
- **Numerous new software functions**
More possibilities for individual and flexible applications



FOR PERFECT RESULTS

- quick setup – resonance search is completed after approx. 2 seconds
- Continuous readjustment of output frequency and voltage
- Operating exactly at the resonance point can cut power consumption by up to 80% compared to uncontrolled, non-resonant operation.
- Smooth conveying for consistent, optimal transport of the conveyed material
- Constant oscillation amplitude – regardless of the level
- The flexible assignment of inputs and outputs enables a wide variety of control functions.



OUR DRIVE
moves you forward

PERFORMANCE CHARACTERISTICS

- Output frequency independent of mains frequency
- No manual adjustment of the spring system required
- Wide input voltage range for worldwide use without switching
- Constant conveyor capacity during mains voltage fluctuations
- Adjustable overload protection for the electromagnets
- Various output waveforms to reduce current and magnetic heating
- Synchronization of multiple devices (master/slave)
- Control functions: additional logic gates, level control with 1 or 2 sensors, sorting air control, pulse mode, control logic for refill feeder, setpoint switching
- Extensive setting options and diagnostic functions
- User interface with graphic display (IP54 only)
- USB-C interface for parameterization via PC
- Available in IP20 and IP54
- VDE, CE, UKCA, REACH, RoHS compliant
- Made and engineered in Germany



TECHNICAL DATA

Mains voltage AC	100...240V ±10%
Output frequency	5...1000Hz
Output current	5A (10A with heat sink on rear panel)
Inputs	8 digital or analog (configurable via software)
Outputs	4x Semiconductor switch, switching to +24V 1x Relay SPDT
DC power supply for external consumers	24V, 200mA
Ambient temperature	0...45°C
Storage temperature	-25...+75°C
Fieldbus interface	optional PROFINET, EtherNet/IP, or MODBUS
Interface for PC	USB-C
Protection class	IP20 / IP54

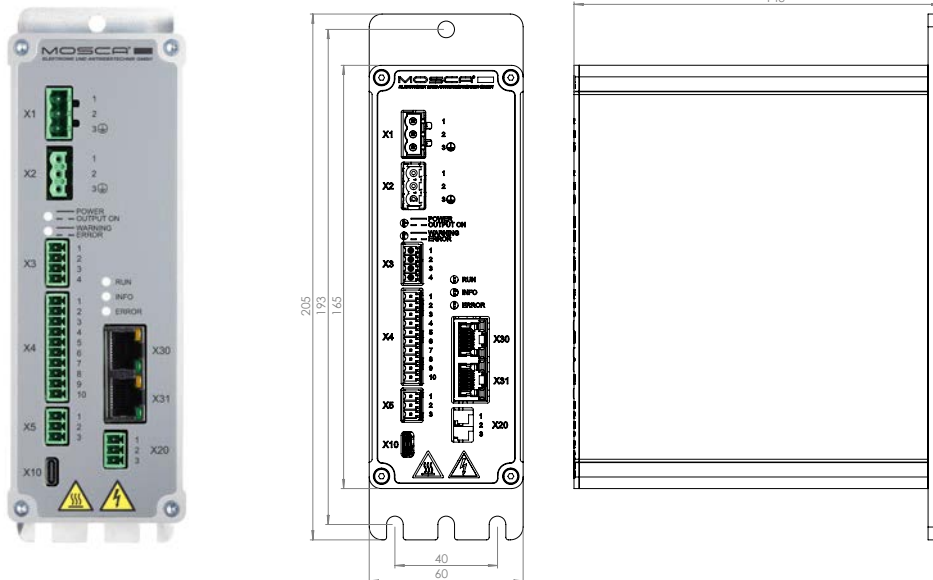
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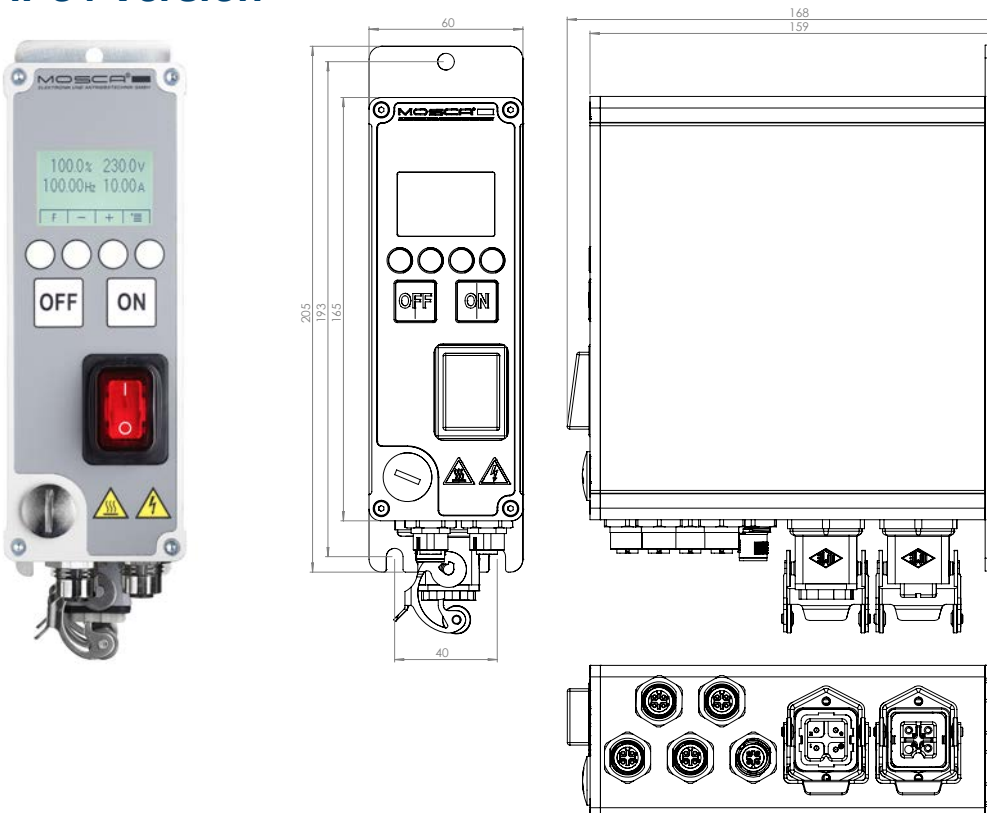
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TECHNICAL DRAWING

IP20-version



IP54-version



All dimensions in mm