FlexiMova® mm – The drive system for decentralized control systems
Efficient, flexible
decentralized motor control

FlexiMova® mm is REEL’s new motor- or equipment-mounted drive system for efficient control of synchronous reluctance motors (REEL SuPremE®), asynchronous motors and permanent magnet synchronous motors.

This is the ideal drive for field installations, even in particularly critical environments, thanks to the elevated mechanical resistance of its structure, together with its capacitorless technology.

Its wireless interface and broad selection of the most popular types of fieldbus make it possible to create accurate and flexible control systems.

It is so easy to install that the user can get maximum performance and immediate energy efficiency advantages in the system it is installed in. Use in combination with the high-efficiency REEL SuPremE® motor for optimum energy savings.

Benefits of FlexiMova® mm

A series of immediate advantages for the user make the drive system the ideal product both for new facilities and for existing facilities which need to optimise their energy consumption and performance, as well as making their command switchboards more compact.

**Efficient**
- Typical efficiency 98% (drive efficiency class IE2 according to EN50598)
- Excellent performance in combination with the REEL SuPremE® motor

**Decentralized**
- Mounted straight onto the motor or machine
- Compact design saves space
- On-board EMC filter
- Integrated braking chopper
- Safety Torque Off (STO) integrated: SIL 3 in accordance with IEC61508 / EN61800-5-2

**Easy to use**
- Intuitive graphic interface
- Removable keyboard for programming and cloning drive systems
- Programming tool for PC with option to use IrDA interface
- Bluetooth® wireless interface

**Flexible**
- Designed for asynchronous, permanent magnet synchronous and synchronous reluctance motors (REEL SuPremE®)
- IP55 protection
- Extensive power range: from 0.37 kW to 55 kW
- Suitable for a variety of industrial automation applications
Energy saving

In combination with the REEL SuPremE® synchronous reluctance motor, the frequency converter FlexiMova® mm optimizes the system efficiency gains with a saving potential of up to 10% depending on the type of application.

Long-term cost savings
Energy costs account for approximately one third of all life cycle cost and can be substantially reduced by controlling power input, especially with fluctuating demands. FlexiMova® mm not only increases energy efficiency, but also the machine performance as the frequency converter’s firmware is optimized for the control of synchronous reluctance motors, in order to achieve an optimal functioning and the highest system efficiency.

Energy saving of REEL SuPremE® compared to an IE3 asynchronous motor

A wide power range
FlexiMova® mm is the only decentral frequency converter with IP55 protection degree in the range from 0.37 kW to 55 kW.

The frequency converter can be installed in the entire power range on top of the REEL SuPremE® motors for an optimal control in terms of energy savings offered by the synchronous reluctance technology, in combination with a compact size of the whole system. The inverter can be also installed on board of the machine decentralizing the inverter position to make the use of it easier and responding to the application needs.

The possibility to decentralized the installation offers an effortless programming and a more compact machine design.
Flexible, efficient solutions

The broad range, the installation flexibility and the solidity make the decentral drive FlexiMova® mm ideal to be installed for a variety of applications: from pumps and fans to complex industrial automation systems.

Always where you need it
Mounted on top of the motor, to the wall or machine, FlexiMova® mm can be positioned to meet customer requirements and conditions on site.

Motor mounting.
The frequency converter FlexiMova® mm can be mounted directly on the synchronous reluctance motor REEL SuPremE® up to 55kW, making it compatible with the constraints on site. Retrofit applications are easy, thanks to the motor fixing adapter, by eliminating the need for installation space in the control cabinet.

Wall mounting.
The inverter FlexiMova® mm can be wall-mounted in any position and orientation to allow an optimal control of the system.

Machine mounting.
Thanks to the high vibration resistance (1.8 g), the frequency converter FlexiMova® mm can be easily placed on board of the machine, in any position and orientation, making the drive programming and the access to the device much easier.

Very convenient with the easiest installation
- Pre-set at the factory
- Optionally integrated master switch for disconnection of the inverter from the power supply
- The display can be removed and rotated by 180 degrees
- Intuitive graphic interface
- IrDA interface for easy programming

A solid housing
- Housing realized in metal for the application in harsh environment
- Protection rating IP55
- Resistance to vibrations up to 1.8 g

for every application

Food industry
- Packaging lines
- Refrigeration units

Steel industry
- Roller conveyors
- Processing ovens
- Cooling and lubricating stations
- Rolling lines
- Small paint shops

Chemical, textile and paper industries
- Coating lines
- Resining lines
- Coupling lines
- Non-woven fabric lines
- Printing lines

General-purpose industrial automation tasks
- Transport lines
- Conveyors
- Roller conveyors
- Storage and retrieval machine

Rubber and plastics industry
- Printing lines
- Processing lines for round/flat materials

Wine industry
- Pump units
- Refrigeration units
- Mobile pumps
- Hi-tech processing and packaging plants
# Range of powers and functions

<table>
<thead>
<tr>
<th>Features</th>
<th>Size A</th>
<th>FlexiMova® mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Three-phase 400V (380-500) and overload current</td>
<td>Code</td>
<td>F0K37</td>
</tr>
<tr>
<td>Typical Power of Motor (kW)</td>
<td>0,37</td>
<td>0,55</td>
</tr>
<tr>
<td>Nominal Current (A)</td>
<td>1,3</td>
<td>1,8</td>
</tr>
<tr>
<td>Continuous Current in Ampère (OL 110% 180/300sec)</td>
<td>1,2</td>
<td>1,6</td>
</tr>
<tr>
<td>Continuous Current in Ampère (OL 150% 60/300sec)</td>
<td>1,1</td>
<td>1,5</td>
</tr>
<tr>
<td>Maximum current available (A)</td>
<td>2,0</td>
<td>2,7</td>
</tr>
</tbody>
</table>

**Electrical data**

- **Motor Control Mode**
  - V/f control
  - Open-loop vector control
  - Closed-loop vector control
  - Open-loop brushless control
  - Closed-loop brushless control
  - Sensorless reluctance control
  - IPM reluctance control
  - Reluctance control with feedback device

- **Integrated communication**
  - ModbusRTU
  - IrDA interface
  - Bluetooth

- **Integrated safety**
  - Safety STO (SIL3)

**Slot 1: Fieldbus**

- Profield FX-Profield
- Profinet FX-Profinet
- Modbus TCP* FX-Modtcp
- EtherCAT* FX-Ethercat

**Slot 2: Fieldbus**

- I/O expansion card FX/I/O-A
- I/O expansion card FX/I/O-B
- I/O expansion card FX/I/O-C
- Speed feedback card FX-FDB-A*

**Slot 3: Expansion card**

- Backup 24Vcc
- On the keyboard, with possibility of cloning
- Grafic, IP55 FX-LCP
- Available for Windows
- Bluetooth connection or optional fieldbus*
Sizes and dimensions

Size A

- Weight: 4.5 Kg
- Dimensions in mm

Size B

- Weight: 6.2 Kg
- Dimensions in mm

Size C

- Weight: 13.5 Kg
- Dimensions in mm

Size D

- Weight: 33 Kg
- Dimensions in mm

Size E

- Weight: 59 Kg
- Dimensions in mm
Remote drive
With its compact design, FlexiMova® mm can be installed either straight onto the motor or on the machine, without affecting system reliability.

Capacitorless technology
Use of film capacitors* for longer drive system life.

Efficient
With its typical efficiency of 98%, it enables extremely high efficiency levels also in combination with REEL SuPremE®.

Control flexibility
Suitable for controlling various types of motor:
* synchronous reluctance motors
* asynchronous motors
* permanent magnet synchronous motors

Robust
High vibration resistance:
• Size A - B - C: 1.8 g
• Size D - E: 1 g

Efficient
With its typical efficiency of 98%, it enables extremely high efficiency levels also in combination with REEL SuPremE®.

Control flexibility
Suitable for controlling various types of motor:
• synchronous reluctance motors
• asynchronous motors
• permanent magnet synchronous motors

Simple and quick to program using the wireless function
FlexiMova® mm
• is equipped with IrDA interface
• can be programmed via Bluetooth

FlexiMova® mm can be programmed either using the REEL Pro tool on the PC („Reel PRO“, available on the website www.reel.it) or the optional display.

* version with electrolytic capacitors available as option
Options

Options installable on Slot 1: Fieldbus

Fieldbus card - Modbus
FX-Modbus
The Modbus RTU protocol is available on the card FX-Modbus with interface RS485.

Options installable on Slot 2: Fieldbus

Fieldbus card - Profibus
FX-Profibus
Getting the frequency converter to function via a fieldbus will enable you to reduce system costs, to communicate quickly and efficiently and to take advantage of a simpler user interface.

The optional card FX-Profibus provides:

- Broad compatibility for main PLC models.
- Rapid and efficient communication, diagnostics, advanced parameter setting and process data autoconfiguration via the GSD file.
- Cyclic exchange designed for standard telegrams PROFIdrive or with a user-customized configuration.

Fieldbus card - Profinet
FX-Profinet
The card FX-Profinet enables the frequency converter to be integrated without any limitations into a shared Ethernet network with TCP/IP.

The main advantages of the interface on the frequency converter are as follows:

- High-performance integrated switch makes it possible to develop both line and star topology, thus eliminating the need for external switches.
- Cyclic exchange designed for standard telegrams PROFIdrive or with a user-customized configuration.

Fieldbus card - Modbus
FX-Modbus
The Modbus RTU protocol is available on the card FX-Modbus with interface RS485.

Options installable on Slot 3: Expansion cards

I/O expansion cards
If the number of hardware inputs and outputs needs to be increased, an expansion card can be installed on the FlexiMova® mm.

The expansion cards installable on Slot 3 can be ordered and installed only when ordering the converter.

FX-I/O-A
The card has 3 digital inputs, 8 digital outputs, 1 analog input, 1 analog output.

In details:

- 1 configurable differential analogue input +/−10V, 0/4-20mA or PT1000, 11 bit + sign
- 1 configurable analogue output, 0/2-10V, 4-20mA, accuracy 2% f.s.
- 3 configurable opto-isolated digital inputs, 24V PNP
- 2 configurable digital outputs, 24V PNP
- 1 relay output with change-over contact 30Vdc 3A − 240Vac 0,25A
- 5 relay outputs with NO contact 30Vdc 3A − 240Vac 0,25A

FX-I/O-B with Modbus RTU
The card is equipped with fieldbus and digital inputs.

In details:

- 1 RS485 communication port with Modbus RTU protocol
- 3 configurable opto-isolated digital inputs, 24V PNP

FX-I/O-C with Modbus RTU and relay outputs
The card is equipped with fieldbus, digital inputs and relay outputs.

In details:

- 1 RS485 communication port with Modbus RTU protocol
- 3 configurable opto-isolated digital inputs, 24V PNP
- 1 relay output with change-over contact 30Vdc 2A − 240Vac 0,2A
- 2 relay outputs with NO contact 30Vdc 0,5A − 240Vac 0,5A
- 3 relay outputs with NO contact 30Vdc 2A − 240Vac 0,2A

Expansion card for speed feedback
FX-FDB-A
This card improves the motor speed control performance through the use of a Line Driver encoder or a resolver.

The devices that can be connected are:

- 1 TTL or Push/Pull HTL Line Driver encoder, max frequency 250 kHz
- 1 Resolver with programmable resolution from 10 to 16 bit

In addition the card is provided with

- 2 outputs, 1 for encoder Push/Pull 0÷24V simulation and 1 for Line Driver TTL encoder.

Options installable on Slot 3: Expansion cards

I/O expansion cards
If the number of hardware inputs and outputs needs to be increased, an expansion card can be installed on the FlexiMova® mm.

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- 3 configurable opto-isolated digital inputs, 24V PNP
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FX-I/O-B with Modbus RTU
The card is equipped with fieldbus and digital inputs.

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- 1 RS485 communication port with Modbus RTU protocol
- 3 configurable opto-isolated digital inputs, 24V PNP

FX-I/O-C with Modbus RTU and relay outputs
The card is equipped with fieldbus, digital inputs and relay outputs.

In details:

- 1 RS485 communication port with Modbus RTU protocol
- 3 configurable opto-isolated digital inputs, 24V PNP
- 1 relay output with change-over contact 30Vdc 2A − 240Vac 0,2A
- 2 relay outputs with NO contact 30Vdc 0,5A − 240Vac 0,5A
- 3 relay outputs with NO contact 30Vdc 2A − 240Vac 0,2A

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**Power options**

**Capacitor kit**

**FX-CAPACITOR**

In the event of installations in environments with particularly unstable power lines, the capacitor kit limits the effects of the power-line faults.

- Provided as an external box for sizes A - B - C, mounting kit included
- For sizes D - E, installed straight onto the drive

**Master switch**

**FX-DISCONNECTOR**

Optionally integrated master switch for disconnection of the drive from the power supply and protection against unintentional start-up.

**Accessories**

**Graphic Local Control Panel**

**FX-LCP**

The Local Control Panel (LCP) provides a user interface solution with information in numerical and graphic form.

- Multi-language display
- Status messages
- Data cloning function*
- Parameter setting with online help function
- Local start and stop commands
- Setpoint function settings
- Alarm history
- Reset function

*available in future

**Remote LCP**

**FX-LCP remoting kit**

The Local Control Panel (LCP) can be removed and placed away from the drive through proper kit (cable and fastening).

**Service Adapter per drive programming**

**FX-PROGRAMMING INTERFACE**

The access to the drive programming is easy and intuitive. The IrDA programming interface allows the drive programming even if already connected to the power supply, without the need to take apart covers and thus ensuring the IP55 protection. With the programming tool „Reel PRO“ (available on www.reel.it) installed on the pc, you can access, save and load the drive configuration, activate the datalogger and update the product firmware.

**Capacitor kit**

**FX-CAPACITOR**

In the event of installations in environments with particularly unstable power lines, the capacitor kit limits the effects of the power-line faults.

- Provided as an external box for sizes A - B - C, mounting kit included
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**Master switch**

**FX-DISCONNECTOR**

Optionally integrated master switch for disconnection of the drive from the power supply and protection against unintentional start-up.
**Ordering codes**

<table>
<thead>
<tr>
<th>Position</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Position 1</td>
<td>Letter FlexiMova® mm</td>
</tr>
<tr>
<td>Position 2 to 5</td>
<td>Number, number, letter, number (15K0 for 15 kW)</td>
</tr>
<tr>
<td>Position 6</td>
<td>Optional fieldbus card Modbus RTU on Slot 1</td>
</tr>
<tr>
<td>Position 7</td>
<td>Optional fieldbus card on Slot 2</td>
</tr>
<tr>
<td>Position 8</td>
<td>Optional fieldbus card on Slot 3</td>
</tr>
<tr>
<td>Position 9</td>
<td>Local Control Panel (LCP)</td>
</tr>
<tr>
<td>Position 10</td>
<td>Mounting arrangements</td>
</tr>
<tr>
<td>Position 11</td>
<td>Power options and special versions</td>
</tr>
<tr>
<td>Position 12</td>
<td>HW/FW versions and personalizations</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Position</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Letter FlexiMova® mm</td>
</tr>
<tr>
<td>2</td>
<td>Number, number, letter, number (15K0 for 15 kW)</td>
</tr>
<tr>
<td>3</td>
<td>Number, letter, number, number (15K0 for 15 kW)</td>
</tr>
<tr>
<td>4</td>
<td>Number, letter, number, number (0K75 for 0,75 kW)</td>
</tr>
<tr>
<td>5</td>
<td>Number, letter, number, number (7K50 for 7,5 kW)</td>
</tr>
<tr>
<td>6</td>
<td>Optional fieldbus card Modbus RTU on Slot 1</td>
</tr>
<tr>
<td>7</td>
<td>Optional fieldbus card on Slot 2</td>
</tr>
<tr>
<td>8</td>
<td>Optional fieldbus card on Slot 3</td>
</tr>
<tr>
<td>9</td>
<td>Optional fieldbus card on Slot 1</td>
</tr>
<tr>
<td>10</td>
<td>Optional fieldbus card on Slot 2</td>
</tr>
<tr>
<td>11</td>
<td>Optional fieldbus card on Slot 3</td>
</tr>
<tr>
<td>12</td>
<td>Optional fieldbus card on Slot 1</td>
</tr>
</tbody>
</table>

**Options names**

**Optional fieldbus on Slot 1**
- Modbus RTU FX-Modbus
- Profibus FX-Profix
- ProfiNet FX-Profinet
- EtherCAT FX-Ethercat

**Optional fieldbus on Slot 2**
- Speed feedback expansion card A FX-FDB-A
- I/O expansion card A FX-I/O-A
- I/O expansion card B with Modbus FX-I/O-B
- I/O expansion card C with Modbus and relay outputs FX-I/O-C

**Optional expansion cards on Slot 3**
- Optional fieldbus card Modbus RTU FX-Modbus
- Optional fieldbus card Profibus FX-Profix
- Optional fieldbus card ProfiNet FX-Profinet
- Optional fieldbus card EtherCAT FX-Ethercat

**Power options**
- Capacitor kit FX-CAPACITOR
- Mains disconnector FX-DISCONNECTOR
- Service adapter for programming FX-PROGRAMMING INTERFACE
- Remoting kit for LCP FX-LCP remoting kit
- Capabilities adapter FX-LEAD INTERFACE

**Accessories**
- IP55 Local Control Panel (LCP) FX-LCP
- Remoting kit for LCP FX-LCP remoting kit
- Service adapter for programming FX-PROGRAMMING INTERFACE

**Table of REEL SuPremE® motors arranged for the mounting of FlexiMova® mm**

<table>
<thead>
<tr>
<th>FlexiMova® mm</th>
<th>REEL SuPremE® motor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>1500 rpm</td>
</tr>
<tr>
<td>Motor code</td>
<td>kW</td>
</tr>
<tr>
<td>F0K37</td>
<td>-</td>
</tr>
<tr>
<td>F0K55</td>
<td>1635188</td>
</tr>
<tr>
<td>F0K75</td>
<td>1635189</td>
</tr>
<tr>
<td>F1K10</td>
<td>1635190</td>
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<tr>
<td>F1K50</td>
<td>1635191</td>
</tr>
<tr>
<td>F2K20</td>
<td>1635192</td>
</tr>
<tr>
<td>F3K00</td>
<td>1635193</td>
</tr>
<tr>
<td>F4K00</td>
<td>1635194</td>
</tr>
<tr>
<td>F5K50</td>
<td>1635195</td>
</tr>
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<td>F7K50</td>
<td>1635196</td>
</tr>
<tr>
<td>F11K0</td>
<td>1635197</td>
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<tr>
<td>F15K0</td>
<td>1635198</td>
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<td>F18K0</td>
<td>1635199</td>
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<tr>
<td>F22K0</td>
<td>1635200</td>
</tr>
<tr>
<td>F30K0</td>
<td>1635201</td>
</tr>
<tr>
<td>F37K0</td>
<td>1635202</td>
</tr>
<tr>
<td>F45K0</td>
<td>1635203</td>
</tr>
<tr>
<td>F55K0</td>
<td>1635204</td>
</tr>
</tbody>
</table>

**Note:** Further combinations and variants upon request

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* Available in future
* Ordinable and installable only during production phase
* Order also the Reel SuPremE® motor of corresponding size
* For sizes D - E, the capacitor kit can be ordered and installed only during production phase
* Letter Z indicates a product with prototype firmware/hardware version, not released for sales yet
Examples of identification of the ordering code

1) To order a FlexiMova® mm frequency converter, nominal power 1.5 kW equipped with:
- optional fieldbus card FX-Profibus on Slot 2
- feedback optional card FX-FDB-A on Slot 3
- IP55 local control panel FX-LCP
- newest standard firmware version

to be mounted on board of the machine for the control of a standard asynchronous motor (with the suitable mounting kit), without any personalization, use the following code:

```
F 1 K 5 0 X A A A A X X
```

Identification of FlexiMova® mm 1.5 kW
- no optional card on Slot 1
- FX-Profibus on Slot 2
- feedback card FX-FDB-A
- standard mounting with mounting kit included
- standard firmware version
- no power option

2) To order a FlexiMova® mm frequency converter, nominal power 22 kW equipped with:
- IP55 local control panel FX-LCP
- mains disconnector FX-DISCONNECTOR
- Modbus RTU on slot 1 FX-Modbus
- feedback optional card FX-FDB-A

to be mounted on top of REEL SuPremE® motor already installed in the plant, without any personalization, use the following code:

```
F 2 2 K 0 A X A A B A X
```

Identification of FlexiMova® mm 22 kW
- Modbus RTU card FX-Modbus on Slot 1
- feedback card FX-FDB-A on Slot 3
- with adapting kit for REEL SuPremE® motor
- standard firmware version
- power option FX-DISCONNECTOR

3) To order a FlexiMova® mm, nominal power 11 kW equipped with:
- IP55 local control panel FX-LCP
- Modbus RTU on slot 1 FX-Modbus
- I/O optional expansion card FX-I/O-A

to be mounted on top of the REEL SuPremE® motor provided with adapting plate for FlexiMova® mm, without any personalization, use the following code:

```
F 1 1 K 0 A X B A C X X
```

Identification of FlexiMova® mm 11 kW
- Modbus RTU card FX-Modbus on Slot 1
- optional card FX-I/O-A on Slot 3
- mounted and delivered on board of REEL SuPremE® motor
- standard firmware version
- no power option

*To order the REEL SuPremE® motor suitable for the frequency converter FlexiMova® mm, indicate to REEL the code of the corresponding SuPremE motor as well, as per table on page 19.*
Technical data

### Power (L1, L2, L3)
- **Supply voltage**: 3 x 380 - 480 V AC...... 0.37 - 55 kW
- **Supply frequency**: 50/60 Hz
- **Unit power factor**: cos $\phi > 0.98$

### Harmonic disturbance
- Compliant with EN 61000-3-5 for drives with nominal current of up to 16 A
- EN 61000-3-12 for drives with nominal current of over 16 A

### Efficiency class
- IE2 according to EN50598

### Output (U, V, W)
- **Output voltage**
  - 0 – 95% of supply voltage in the standard version
  - 0 – 100% of supply voltage with the Capacitor K6
- **Output frequency** (according to power): 0-500 Hz
- **Ramp time**: 0.1 – 600 sec.
- **Maximum current overload**: 150% In

### Digital inputs
- Programmable digital inputs: 4 (1 programmable pulse input @100 kHz, 2 inputs reserved for STO)
- **Input resistance, $R_i$**: Approx. 2 kΩ
- **Scan time**: 1 ms
- **STD: Safe Torque Off**: UL 3 acc. IEC 1508 / EN1800-5-2)

### Analogue inputs
- **Analog inputs**: 2
- **Mode**: Voltage or current
  - Voltage: from 0 to +/-10 V (scalable)
  - Current: from 0/4 to 20 mA (scalable)
- **Precision of analogue inputs**: Max. Error: 1% of full scale
- **Scan time**: 1 ms

### Pulse inputs (included in digital inputs)
- **Programmable pulse inputs**: 1
- **Voltage**: 30 V DC
- **Precision of pulse inputs (0.1 – 100 kHz)**: Max. Error: 0.1% of full scale

### Digital / analogue outputs
- Programmable pulse output (alternative to current or voltage output): 1
- **Output voltage in frequency**: 0 – 24 V DC
- **Maximum output current (PHIL or NPN)**: 40 mA
- **Maximum output frequency at output frequency**: from 0 to 100 kHz
- **Accuracy of frequency output**: Max. Error: 0.01% of full scale
- **Programmable analogue output (alternative to pulse output)**: 1
- **Current field analogue output**: 0/4 – 20 mA or 0 / +/-10 V DC
- **Total minimum load of analogue outputs (compared to common terminal 30)**: 500 Ω
- **Accuracy of analogue output**: Max. Error: 2% of full scale

### Feedback options
- Optionally, can be installed on Slot 3
- **Feedback card FX-FDB-A**
- Encoder Line Driver - Resolver - Encoder simulation

### Feedback options
- Feedback card FX-FDB-A
- Encoder Line Driver - Resolver - Encoder simulation

### Protections
- Electronic thermal protection of the motor in the event of overload with PTC or klixon
- Thermal monitoring of the radiator and environment inside the drive ensures that the frequency converter is protected in the event of overheating
- The frequency converter is protected from short circuits on the motor terminals U, V, W and from a short circuit to earth
- Protection against phase failure

### Options of potenza
- For using the frequency converter in critical applications or networks:
- Capacitor kit FX-CAPACITOR
- Main disconnector FX-DISCONNECTOR
- Additional line input inductance
- Sinusoidal filter (LC filter) motor output

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**Available in future**

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**For more information, read the STD instructions**

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**Available upon request**

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Surf the website -- www.reel.it -- and download the documentation of FlexiMova® mm and other REEL products