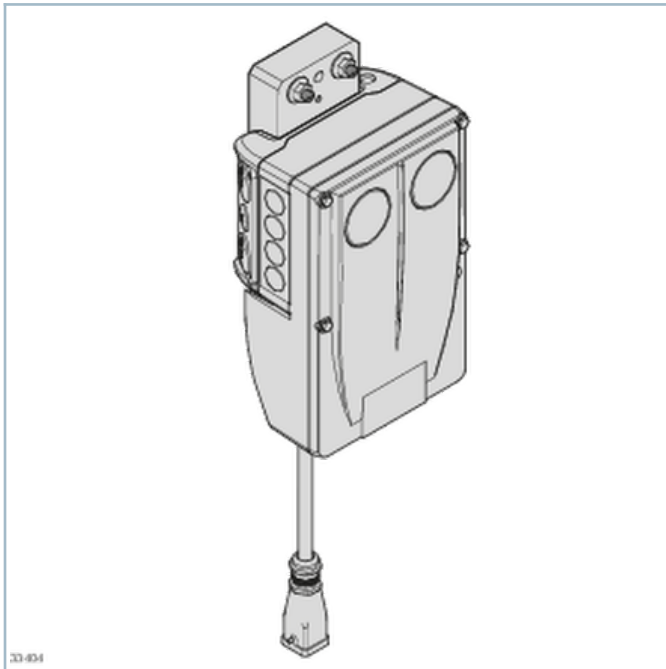


Frequency Converter (FU)



- Modular design
- Easy mounting on leg sets
- Connection to the motor by cable

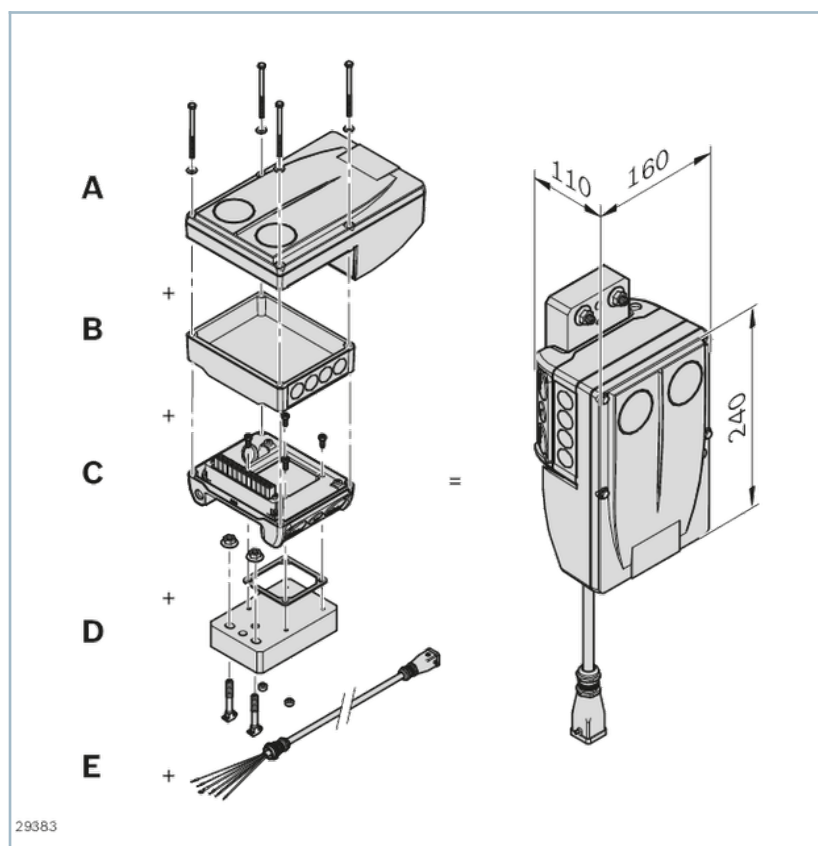
- Frequency converter (A): Power unit: 0.55 kW
- Communication module (B): To control the frequency converter
- Connection unit (C): For power grid connection options
- Attachment kit (D): For easy mounting on the leg set
- Connection cable (E): To connect the gear motor to the frequency converter

Product description

In order to operate a gear motor with adjustable speed, the motor needs to be retrofitted with a frequency converter (FU). The frequency converter has a modular design so that it can be easily mounted on a leg set and connected to the motor by cable.

- Connection power: 0.55 kW (connection voltage: 400 V $\pm$ 10 % ... 460 V/480 V $\pm$ 10 %)
- Speed (v_N) depending on the base speed of the gear motor used
- Permissible speed range: 2 ... 21 m/min

Complete frequency converter

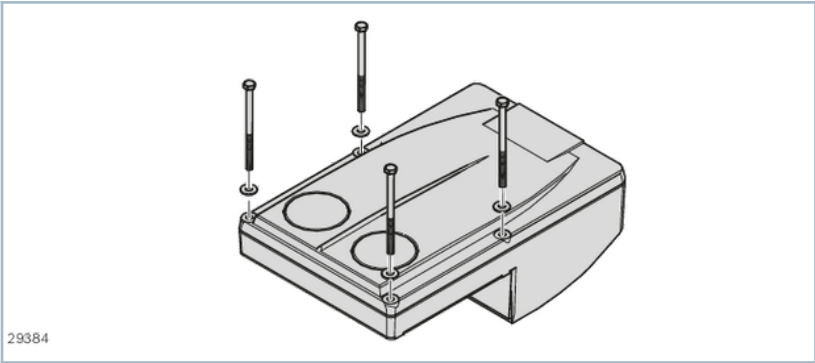


Complete frequency converter consisting of the modules

- Frequency converter power unit (A)
- Communication module (B)
- Connection unit (C)
- Attachment kit (D)
- Optional: Connection cable (E) for the pluggable connection to the gear motor (AT = S)

The individual modules can be ordered separately and are easy to connect with the screws supplied with the scope of delivery. For the internal and external voltage supply, the modules must be wired by the user.

Frequency converter power unit (A)



Frequency converter (A)

Power unit: 0.55 kW
(400 V ± 10 % ... 460 V/480 V ± 10 %)

- Easy commissioning via hand-held terminal
- Easy to replace memory module
- Large LED as status display

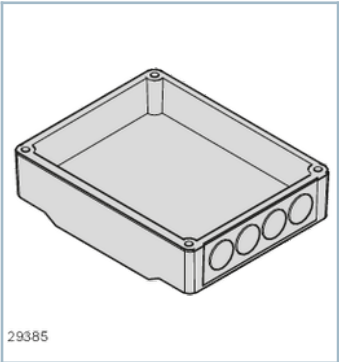
The speed range of the frequency converter is based on the base speed of the motor (by accepting a resulting loss of power, a higher bandwidth can be covered).

Frequency converter speed range

Base speed of motor at 50 Hz	Min	Max	Max at max. 80% torque
(m/min)	(m/min)	(m/min)	(m/min)
4	2 ¹⁾	4,5	6
6	2 ¹⁾	6	8
9	3,5	10	13
12	4	13	17
15	5	15	20
18	6	18,5	25

1) Additional measures may be necessary

Communication module (B)

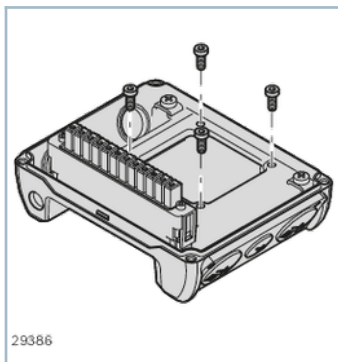


Communication module (B)

- Used to control the frequency converter
- Cable connection options
- Standard version without 'integrated safety system STO (safety torque off)' (available on request)

Depending on their function, the individual communication modules are provided with the corresponding connections.

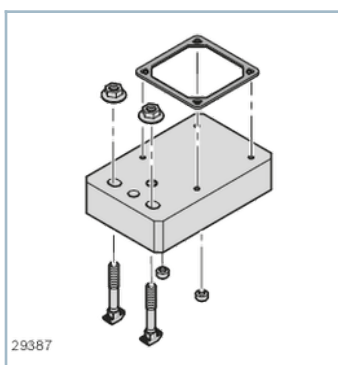
Connection unit (C)



Connection unit (C)

- Power grid connection options

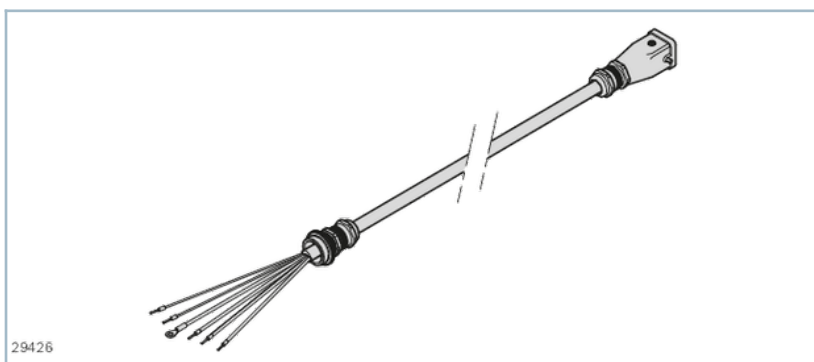
Attachment kit (D)



Attachment kit (D)

- For the simple attachment of the frequency converter to the AL section support (slot/s with a 60 or 80 strut profile)

Connection cable (E) for the plug-in connection to the gear motor

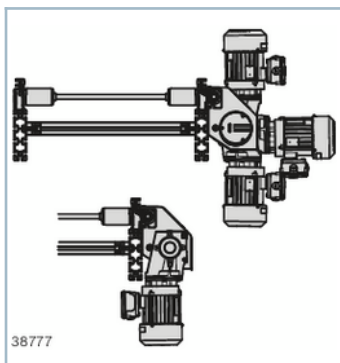


Connection cable (E)

- For connecting the gear motor with the frequency converter (length: 1 m)
- For the drive kit AT = S (direct wiring with AT = K)

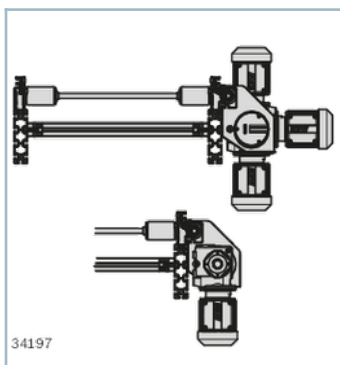
Attachment options for the gear motor

Standard



Attachment options for the gear motor

Customer-specific motor



Technical data

Frequency converter motec 8400

Accessories



Frequency Converter (FU)
accessories

- Manual control unit
- Switch /potentiometer unit

Delivery notes

Scope of delivery

Power unit 0.55 kW
Communication module standard I/O
Communication module AS-I
Communication module CANopen
Communication module EtherNet/IP
Communication module EtherCAT
Communication module PROFIBUS
Communication module PROFINET
Connection unit
Attachment kit
FU connecting cable

Ordering codes

	No.
Power unit 0.55 kW	3842553447
Communication module standard I/O	3842553449
Communication module AS-I	3842553453
Communication module CANopen	3842553454
Communication module EtherNet/IP	3842553451
Communication module EtherCAT	3842553459
Communication module PROFIBUS	3842553452
Communication module PROFINET	3842553450
Connection unit	3842553445
Attachment kit	3842553457
FU connecting cable	3842553512