

ZAdyn frequency inverter for elevator machines

Pro - the solution for control cabinet mounting



Description

- Mounting in the control cabinet
- Radio interference filter integrated
- Space-saving installation by compact design
- Operation of synchronous motors and asynchronous motors
- Open-Loop-Operation of asynchronous motors
- Standby function
- 4-line display with plain text display
- Minimal noise generation and low energy consumption through controlled ventilation
- Automatic operating-curves default
- Switching frequency: 4...16 kHz (automatic adaptation)
- Applied EMC standards: EN 12015 und EN 12016
- Protection class: IP20

Interfaces

Controller

- Inputs (24 VDC)
 - 8 x digital input, freely programmable
 - 3 x digital input monitoring of motor brakes
 - 1 x digital input monitoring of braking resistor
- Outputs
 - 3 x relay output (potential-free)
 - 2 x mini relay output (potential-free)
- CANopen-Lift / DCP
- All interfaces galvanic isolated

Encoder

- Incremental
 - TTL / Sine
- Absolute
 - EnDat / SSI / SinCos / BiSS-C
- Simulation for controller

Monitorings

- Temperature monitoring brake resistor
- Brake monitoring in accordance with EN 81-20

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Contactless operation:

- STO (Safe Torque Off) according to IEC 61800-5-2 (SIL 3) or EN ISO 13849 category 4, Performance Level e with protection class IP20.
- Requirements of EN 81-20 to the disconnection of the power supply of the elevator machine are met!

Type	Article no.	Mains voltage type	Nominal voltage VAC	Mains frequency Hz	Motor power typ. kW	Nominal current A	Current max. A	Duty cycle %	Weight kg
ZAdynpro 011	352250	3~	400	50/60	4.6	11	20	40	4.70
ZAdynpro 013	352251				5.5	13	24		4.70
ZAdynpro 017	352252				7.5	17	31		4.80
ZAdynpro 023	352253				11	23	42		6.00
ZAdynpro 032	352254				14	32	58		6.30
ZAdynpro 040	352255				19	40	72		16.00
ZAdynpro 050	352256				24	50	90		16.30
ZAdynpro 062	352257				30	62	112		17.00
ZAdynpro 074	352258				37	74	134		17.00



Features

- MMC / SD card interface for data backup and exchange
- USB interface for ZAMon software (via ZApadpro)

Options

- External ZApadpro operating terminal; 4-line display with plain text display
- Electronic brake control ZAsbc4
- ZAMon (App or version for pc)
- Bluetooth® wireless technology ZAMon STICK

Evacuation mode

Supply during power failure through:

- EVAC 3C evacuation unit
- Uninterruptible power supply (UPS)

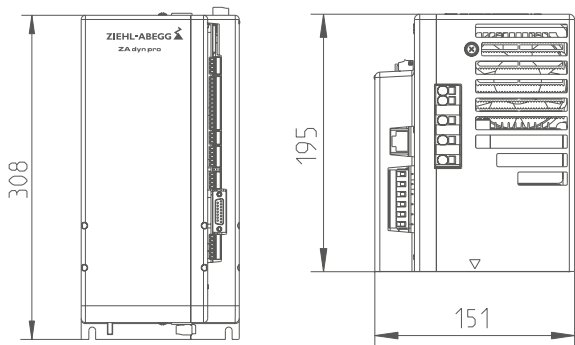
Electromagnetic compatibility

Compliance with EN 12015 and EN 12016 through integration of a line choke
Typ ND... in the mains supply.

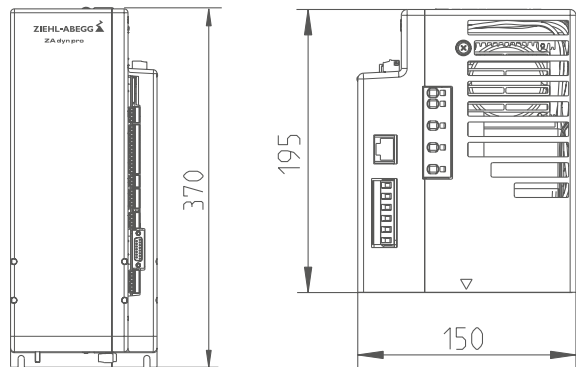
Frequency inverter	Brake resistor	Article no.
ZAdynpro 011	BR11-A	357171
	BR17	357216
ZAdynpro 013	BR17	357216
ZAdynpro 017	BR17	357216
ZAdynpro 023	BR25	357217
ZAdynpro 032	BR25	357217
	BR50	357218
ZAdynpro 040	BR50	357218
ZAdynpro 050	BR50	357218
ZAdynpro 062	BR50	357218
ZAdynpro 074	BR50	357218
	BR100-A	357214

Dimensions mm

ZAdynpro 011-017



ZAdynpro 023-032



ZAdynpro 040-074

