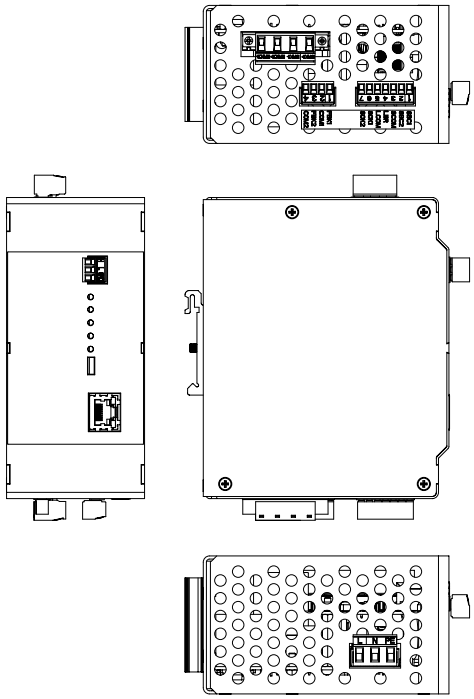
EBC500

Electronic Brake Control

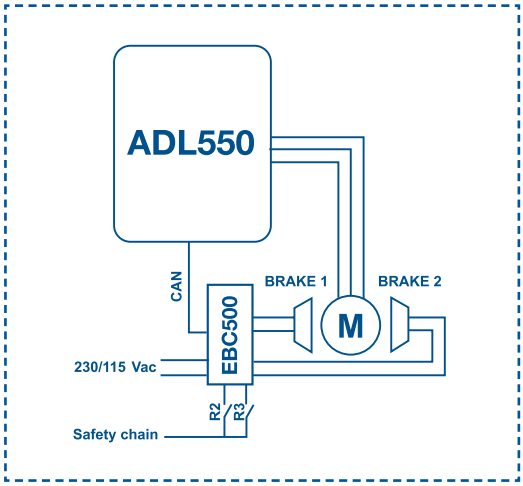
The EBC500 module is an electronic device for the excitation and control of the brakes elements with the ability to communicate and synchronize with the ADL550 series drives.
The EBC500 module simplifies the brake control system by eliminating rectifiers and contactors while maintaining the highest level of safety and improving the efficiency and overall maintenance of the brake system.
The EBC500 manages the uncontrolled car movements requirements according to EN 81-20/50 and new revamping requirements UNI 10411-1.



DIMENSIONS (WxHxD)		WEIGHT	
mm	inches	kg	lbs
66x144x116	2,59x5,66x4,56	0,680	1,5

Main Features:

- Up to 2 brake circuits from 105 to 207 Vdc
- Output current: 2 x 3.4 Arms
- Input voltage: 110-220 Vac @50/60Hz
- Controlled via CAN
- Safe Brake Control SIL 3 Certified



ZERO CONTACTORS

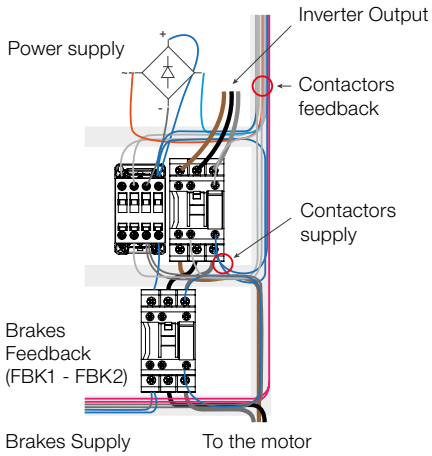
Integrated Safety circuit STO SIL 3
+ Safe Brake Control SIL 3

EBC500

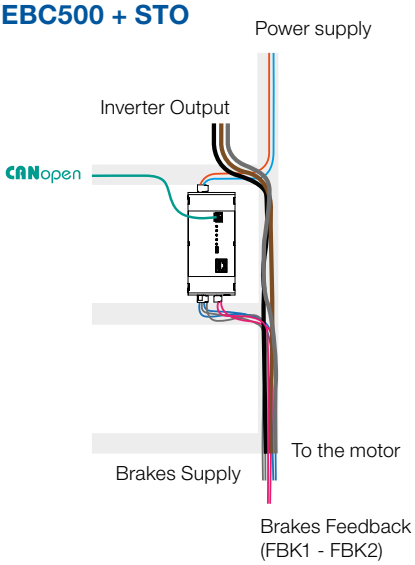
Advantages

COMMISSIONING

Traditional



EBC500 + STO

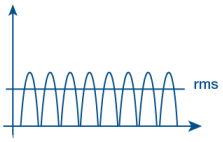


- Comparison with traditional approach
- Less cables and devices
- Less time for installation

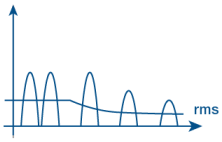
ENERGY SAVING

- Adjustable output voltage and current
- Reduced holding voltage for lowes energy consumption

Traditional



EBC500



MAINTENANCE

- No need to periodically check cabling and connections
- No limitation coming from contactors durability

TROUBLESHOOTING

- Mean Time Between Failures (MTBF) increase
- Reduced EMC noise
- Less devices and cabling

SAFETY

- Faults elevator stop improved in terms of safety
- Brakes continuous monitoring
- Brakes control in line with EN81-20/50, SIL 3

COST SAVING

- All the above advantages leads to a cost reduction in both first investment and system life cycle

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