

**EDC 100/30**  
**ELECTRO HYDRAULIC**  
**ACTUATOR COMPACT**



**THE ORIGINAL. BE SAFE.**

## GENERAL INFORMATION

Electro hydraulic actuators from the EdC series, which exhibit extremely compact dimensions, are capable of generating a comparatively large lifting force of 1,000 N.

Their main areas of application include the lifting of shoe brakes and disc brakes. All of the basic elements of a hydraulic system are combined in a single unit in the shape of the EdC actuator. This includes a hydrau-

lic pump with electric drive motor, a hydraulic control system and a working cylinder with piston and lifting rod, and it converts electrical energy into a mechanical linear motion.

It is an alternative to electromagnets with a setting force range up to 1,000 N.

### ADVANTAGES COMPARED TO MAGNETS:

- No additional control electronics needed (e.g. transformer, rectifier etc.).
- Mounting dimensions fundamentally correspond with those of market-leading electromagnets.
- The setting paths are the same as of the electromagnets, however they can also be larger.
- In relation to the setting path the initial force of the EdC is higher than the initial force of the electromagnets.
- The working capacity (setting force x setting path) of the EdC device is greater than that of comparable electromagnets.
- No switching noises.
- Can be mounted in any installation position.
- Option with lowering valve available.

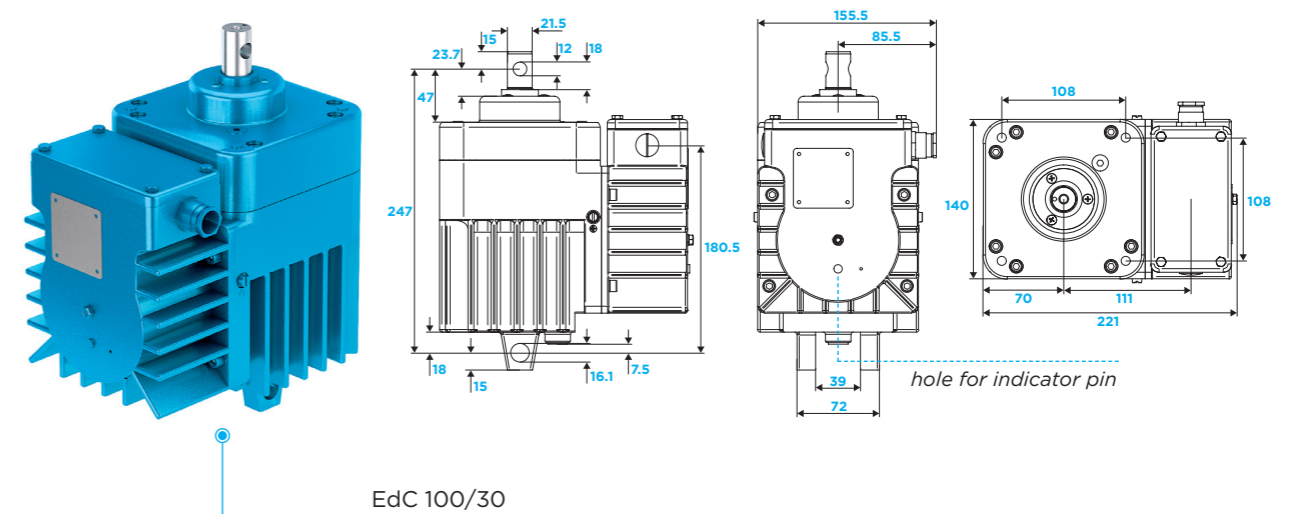
#### Typ EdC 100/30

Max. setting force	1,000 N
Setting path	30 mm
Electr. power consumption	0.25 kW
Electr. current consumption at 400 V, 50 Hz	0.45 A
Weight	10 kg
Regulating time with 800 N load	0.8 sec
Reset time with 800 N load	0.25 sec
Hydraulic fluid transformer oil	transformer oil
Operating voltage	3 - 220 V to 690 V
Frequency	50 Hz or 60 Hz
Operating mode	S3 to 240 c/h 60 % ED
Protection type	IP65
Temperature range	- 25 °C to + 40 °C

*Other ambient temperatures and operating modes are available on request.*

## BASIC VERSION

### CAN BE USED IN ANY INSTALLATION POSITION



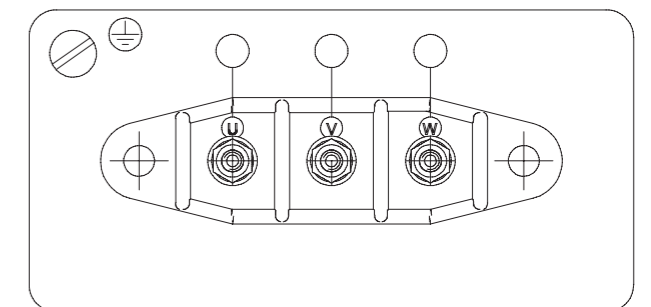
## ELECTRICAL CONNECTION

A special feature of the EdC devices is that they have no air chamber. The entire interior of these lifting devices is filled with hydraulic fluid.

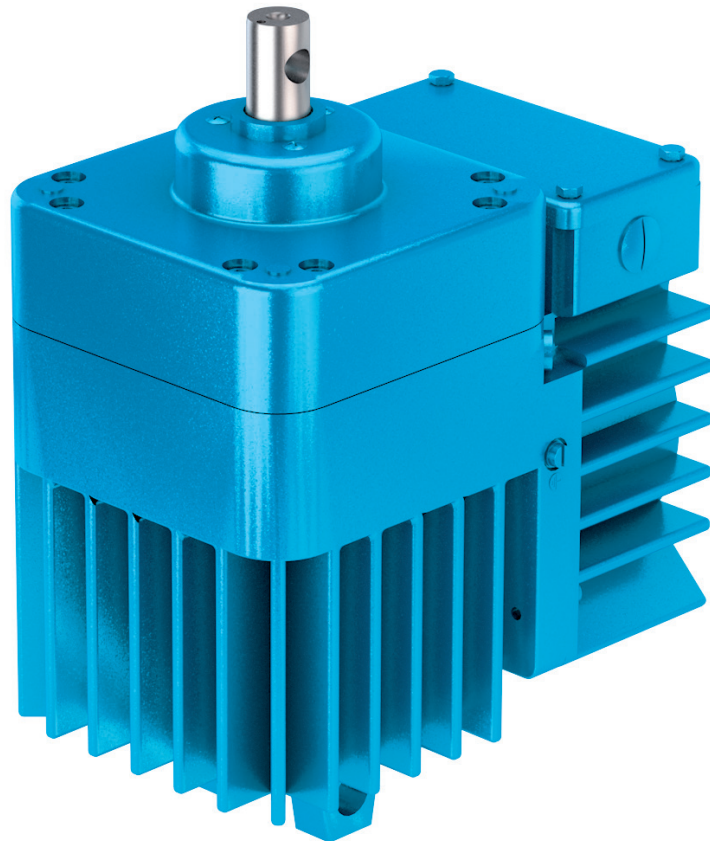
The change in volume of the oil that is caused by temperature fluctuations and piston movement is compensated by a membrane in the differential housing.

The advantage of this construction is that the device can be installed in any position.

To ensure error-free operation of the EdC devices across the entire temperature range of - 25 °C to + 40 °C it is important that the correct oil quantity is maintained.



Terminal board



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