

☐☐☐ DŁAWIK SIECIOWY

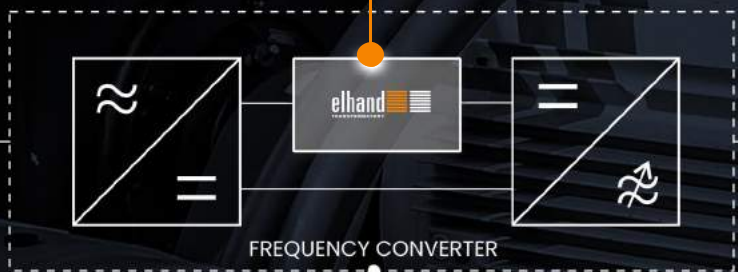
☐☐☐ FILTR HARMONICZNYCH

☐☐☐ DŁAWIK OGRANICZAJĄCY

☐☐☐ DŁAWIK SILNIKOWY

☐☐☐ FILTR SINUSOIDALNY

☐☐☐ DŁAWIK WYGŁADZAJĄCY



FREQUENCY CONVERTER

# ELHAND components for industrial AC Drives



ELHAND Transformatory is the leading manufacturer of inductive components for Drive Systems, Railway, Marine, Oil & Gas, Mining and Power Electronics Industries. Our offer includes low and medium voltage transformers, reactors and filters dedicated to the most demanding applications.

Quality Supported by Certificates





### LINE REACTOR

ED3N line reactors are a basic solution for reducing the distortion of current drawn from the mains by industrial frequency converters. They reduce THDi and the effective value of current at the point of common coupling.

ED3N



### HARMONIC FILTER

EF3H harmonic filters efficiently protect the supply network and other loads powered from it against the negative effects of high distortion of current drawn by frequency converters. They limit the THDi to such level that compliance with IEEE 519 is ensured and no additional distortion in the supply voltage is recognizable.

EF3H



### SMOOTHING CHOKE

ED1W smoothing chokes are used in order to limit ripple in DC current at the output of rectifiers. They are used both in AC-DC converters and in DC-link circuits of industrial frequency inverters. Often paired with capacitors as LC filters in DC circuits.

ED1W



### LIMITING REACTOR

ED3dU limiting chokes reduce the du/dt value of frequency converters' output voltage. They are used as basic protection of electric motors' insulation against degradation related to PWM voltage.

ED3dU



### MOTOR REACTOR

ED3S motor chokes limit the distortion of frequency converters' output voltage related to transistor switching. Thus, they protect the insulation of electric motors and increase their lifespan. They also allow the use of longer motor cables.

ED3S



### SINE-WAVE FILTER

Sine-wave filters eliminate higher harmonics in frequency converters' output voltage related to transistor switching in order to feed the appliances with sine-wave voltage. They ensure safe and failure-free operation of electric motors and allow the use of long cable lines.

EF3LC

## ELHAND components for industrial AC Drives



- Drive Power: up to 2,6 MW
- Voltage: up to 1 kV
- Protection degree: up to IP66
- Cooling: Air Natural, Air Forced, Water

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