

Overview

FXL-HB 1

Control Technology

Product number 9050 1690-1



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78739 Hardt

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Description



Pole reversal controllers from the FXL-C family reliably control not only our FXL magnetic chucks, but almost all electro-permanent magnet systems on the market. Input voltages of 100-500 VAC / 50-60Hz and matching modulated, pulsed output voltages and pulse powers of up to 24 kVA are unique key data, which are only required under extreme conditions, but provide maximum stability in normal use.

FXL-C is available from simple, handy table-top units to control cabinet versions for large-scale applications; stand-alone from manually operated, part-connected with feedback to the machine up to full integration into the machine control for automated applications.

FXL-CT table-top units are built for a maximum of 2 channels without preselection. They can be used to control magnetic chucks up to a total area of approx. 1.2m². can be controlled.

FXL-CT is designed as a table-top unit or to be attached to the machine wall by means of the magnetic feet on the back. The operation is carried out directly on the device.



Functions

- Magnetization in 4 holding force levels
- Pulse release cycle
- Feedback via double LED signals
- Machine interrogation clamped via NO contact possible

Technical data

- Input voltage 100-500V AC (standard 360-440 VAC / 50-60Hz)
- Output voltage 100-500V DC
- Mains cable 3m/4mm²
- Mains plug CEE 32A
- Protection class I
- Protection class IP65
- Back-up fuse C 16 - C 32 A (depending on the power of the connected magnet system)
- Output cable 6m 4mm² 4 PIN FEME 28mm

FXL-C control units in the control cabinet version control magnetic clamping systems from very small to very large, control is via an FXL-HB manual control unit or automated/integrated via the machine control/PLC.

Functions

- Group formation/preselection
- Magnetization in 4 holding force levels
- Pulse release cycle
- Feedback via double LED signals
- Machine interrogation clamped via NO contact possible
- Connection via machine PLC possible



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Product information

Number of channels:	1
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