

TRI Solo Duo Trio i LC

Control unit for vibratory feeder drive

Phase angle control for sorting and feeder systems or assembly automation.
 For stepless power adjustment of vibratory feeder drives to the respective sorting material. .



compact, robust, reliable - Made in Germany

brief description

These low-cost devices of the TRI LC series are phase-angle controls for stepless power adjustment of the vibratory drive to the respective sorting material.

A ramp control ensures jerk-free up or down regulation after the drive is switched on and off.

Mains voltage fluctuations of +/-10 % are automatically compensated. By setting the appropriate switch in the unit, the oscillation frequency at the output can be switched from 25 to 50 Hz and thus from 3,000 to 6,000 oscillations per minute. The Duo/Trio model variants allow independent control of two or three vibratory feeder units simultaneously.

Areas of application for these control units are in particular feeding and sorting systems in machine and plant construction as well as in assembly automation in various industrial sectors.



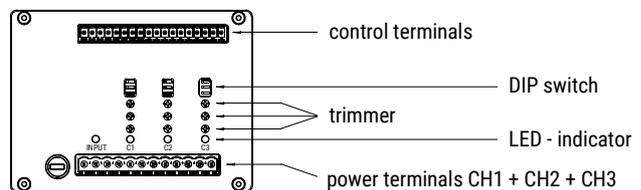
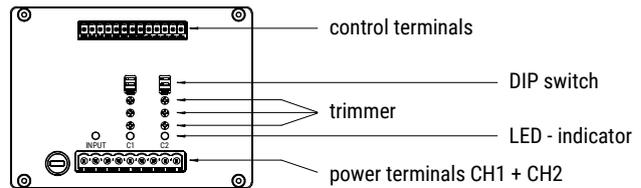
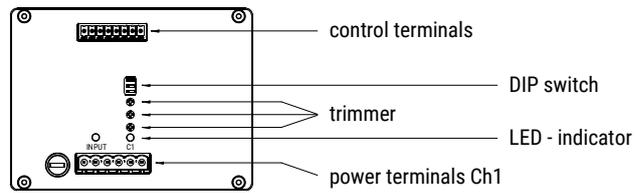
features

- stepless electronic control of the drive
- switching between full-wave and half-wave operation (25/50 Hz) for 3,000 and 6,000 oscillations per minute respectively
- mains voltage compensation for constant amplitudes
- release input: 12 - 24 VDC
- soft start adjustable (0 - 10 sec.)
- soft stop fixed (0.5 s)
- status outputs for ready for operation and consumer status
- parameter setting by means of DIP switch and trimmer
- control and power section galvanically separated
- control unit available as "i" built-in or "e" add-on unit
- anodized aluminum housing
- DIN rail mounting

technical data

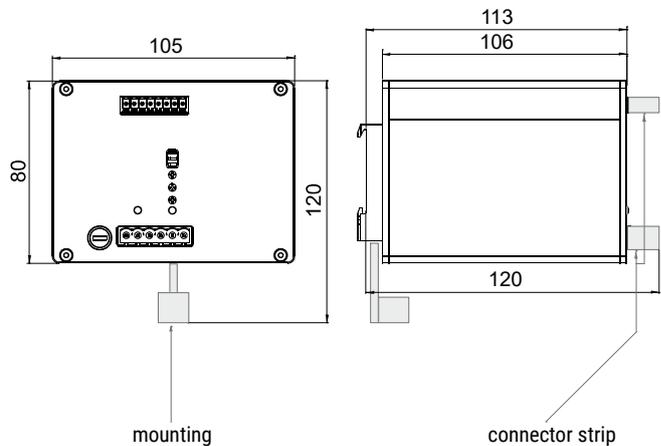
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|----------------------------------|--|
| supply voltage: | 230 VAC ($\pm 10\%$) optional 115 VAC |
| mains frequency: | 50 Hz, (60 Hz) |
| inputs (section): | 12...28 VDC |
| setpoint inputs, analog default: | 0...10 VDC, 0 (4)...20 mA |
| status outputs: | 20 VDC, 5 mA |
| output current, Solo (Duo/Trio): | je 3 A, (zus. max. 5 A) |
| output voltage: | 0 V...210 VAC |
| ambient temperature: | 5 °C ...40 °C |
| storage temperature: | -10 °C ...50 °C |
| permissible relative humidity: | max. 95 % (not condensing) |
| protection class: | Ip20 |

electrical connections



dimensions

weight: 800g



Subject to change without notice. Other model variants and special solutions on request.

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