



EL9505 | Power supply terminal 5 V DC

The EL9505 power supply unit terminal generates an output voltage of 5 V DC from the 24 V DC input voltage. The output voltage can be accessed at the terminal. The following EtherCAT Terminals are also supplied with this voltage via the power contacts. The power LEDs indicate the terminals' operating state; the overcurrent LED indicates short circuit or overcurrent. The input voltage and the output voltage U₀ are not electrically isolated.

| Technical data | EL9505 ES9505 |
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| Technology | power supply terminal with diagnostics and overcurrent LED |
| Short-circuit-proof | yes |
| Input voltage | 24 V DC (-15 %/+20 %) |
| Output voltage | 5 V DC \pm 1 % |
| Output current | 0.5 A |
| Current consumption E-bus | 90 mA |
| Electrical isolation | 500 V (E-bus/field potential) |
| Residual ripple | < 5 mV |
| Insulation voltage input/output | – |
| Diagnostics in the process image | yes |
| Special features | stabilised output voltage |
| Weight | approx. 65 g |
| Operating/storage temperature | 0...+55 °C/-25...+85 °C |
| Relative humidity | 95 %, no condensation |
| Vibration/shock resistance | conforms to EN 60068-2-6/EN 60068-2-27 |
| EMC immunity/emission | conforms to EN 61000-6-2/EN 61000-6-4 |
| Protect. class/installation pos. | IP 20/variable |
| Pluggable wiring | for all ESxxxx terminals |
| Approvals | CE, UL, Ex |