



EL9550 | System terminal, surge filter system and field supply

The EL9550 system terminal contains an overvoltage filter for the 24 V field and system supply. The filter protects the EtherCAT Terminal from line-bound surge voltages that can occur due to high-energy, dynamic disturbances such as switching overvoltages at inductive consumers or indirect lightning strikes at the supply lines.

The EL9550 protects the terminal station from damage in particularly harsh environments. The ship classification organisations require the use in shipbuilding applications and in the onshore/offshore sector.

| Technical data | EL9550 ES9550 |
|----------------------------------|--|
| Technology | surge filter system and field supply |
| Nominal voltage | 24 V (-15 %/+20 %) |
| Surge filter field supply | yes |
| Surge filter system supply | yes |
| Rated current field supply | ≤ 10 A |
| Rated current system supply | ≤ 1.5 A |
| PE connection | – |
| Electrical isolation | 500 V (E-bus/field potential) |
| Diagnostics | – |
| Weight | approx. 50 g |
| Operating/storage temperature | -25...+60 °C/-40...+85 °C |
| 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, IECEx |