

## Inrush current limiter, current-controlled with no-load detection

### ESG 6



### General Data

|                                        |
|----------------------------------------|
| Rated voltage 110 - 230 Vac $\pm 10\%$ |
| Rated current 16 A, (UL: 12 A)         |
| Internal resistance 7.8 Ohms           |
| Maximum ambient temperature 40 °C      |
| Degree of protection IP 20             |

### Advantages

|                                                                                                                      |
|----------------------------------------------------------------------------------------------------------------------|
| Dynamic limit times for optimum starting of consumers with high inrush currents                                      |
| Current-controlled with no-load detection, hence full current limit protection, even if momentarily switched back on |
| Robust plastic housing for rail mounting, e.g. in consumer units or meter mounting boards                            |

### Applications

Inrush current limiting option for limiting the inrush current in power tools, transformers and other loads with high switch-on or inrush currents.

### Approvals





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with no-load detection

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|                 |                           |                                                               |
|-----------------|---------------------------|---------------------------------------------------------------|
| Electrical data | Typ                       | ESG 6                                                         |
|                 | Operating data            |                                                               |
|                 | Rated voltage             | 110 - 230 Vac ±10 %                                           |
|                 | Rated frequency           | 50 - 60 Hz                                                    |
|                 | Rated current             | 16 A, (UL: 12 A)                                              |
|                 | Environment               |                                                               |
|                 | Ambient temperature max.  | 40 °C                                                         |
|                 | Safety and protection     |                                                               |
|                 | Safety                    | integrated, non-replaceable thermal fuse in the input circuit |
|                 | Protection index          | IP 20                                                         |
| Mechanical data | Safety class (prepared)   | II                                                            |
|                 | Internal impedance        | 7.80 Ω                                                        |
|                 | Order numbers             |                                                               |
|                 | Order Number              | ESG 6                                                         |
|                 | Terminal and mounting     |                                                               |
|                 | Terminals Input           | Spring clamp terminal max. 2.5 mm²                            |
|                 | Terminals Output          | Spring clamp terminal max. 2.5 mm²                            |
|                 | Measures and weights      |                                                               |
|                 | Dimension (W x H x D)     | 72 x 90 x 59,2 mm                                             |
|                 | Weight                    | 0.17 kg                                                       |
|                 | Dimension picture (in mm) | 1                                                             |
|                 | A                         | 72                                                            |
|                 | B                         | 90                                                            |
|                 | C                         | 54.2                                                          |
|                 | D                         | 59.2                                                          |

Dimension pictures

