

Servo Drives 9400 HighLine

Accessories



RFI and mains filters

RFI filters and mains filters enable compliance with the interference voltage categories of the European standard EN 61800-3. There a distinction is drawn between category C1 and category C2.

Category C1 describes the use on public supply networks.

Category C2 describes the use of drives which are intended to be used for industrial purposes in areas also comprising residential areas.



RFI filter, can be mounted beside or below the axis module

RFI filters

RFI filters are capacitive accessory components which can be connected directly upstream of the axis modules. This measure enables compliance with the corresponding conducted noise emission requirements according to EN61800-3.

4.3

| Typical motor power | Mains voltage | Product key | | Rated current | Power loss | Max. cable length | | Dimensions | Mass | | | |
|---------------------|---------------------|--------------|-------------|----------------|----------------|------------------------------------|------------------------------------|----------------|------|-------|----------------|------|
| | | Single Drive | RFI filter | | | shielded C1 with external measures | shielded C2 with external measures | | | | | |
| P | U _{AC} | | | I _N | P _V | I _{max} | I _{max} | h x b x t | m | | | |
| [kW] | [V] | | | [A] | [kW] | [m] | [m] | [mm] | [kg] | | | |
| 0.37 | 3 AC 180 ... 550 | E94AS□E0024 | E94AZRS0044 | 3.50 | 0.004 | 0 | 50 | 522 x 60 x 60 | 1.8 | | | |
| 0.75 | | E94AS□E0034 | | | | | | | | | | |
| 1.50 | | E94AS□E0044 | E94AZRS0104 | 10.0 | 0.008 | | | 522 x 90 x 60 | 2.3 | | | |
| 3.00 | | E94AS□E0074 | | | | | | | | | | |
| 5.50 | | E94AS□E0134 | E94AZRS0294 | 29.0 | 0.022 | | | 522 x 120 x 60 | 3.6 | | | |
| 7.50 | | E94AS□E0174 | | | | | | | | | | |
| 11.0 | | E94AS□E0244 | | | | | | | | | | |
| 15.0 | | E94AS□E0324 | E94AZRS0544 | 54.0 | 0.050 | 50 | 100 | 670 x 201 x 60 | 9.0 | | | |
| 22.0 | | E94AS□E0474 | | | | | | | | | | |
| 30.0 | | E94AS□E0594 | | | | | | E94AZRS0954 | 95.0 | 0.070 | 780 x 261 x 60 | 13.0 |
| 45.0 | | E94AS□E0864 | | | | | | | | | | |
| 55.0 | | E94AS□E1044 | | | | | | | | | | |

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Mains filters

A mains filter is a combination of mains choke and RFI filter in a single housing. It reduces line-bound noise emission into the mains, thus ensuring that the line-bound interference voltage is reduced to a permissible level according to EN61800-3.



Mains filter, can be mounted beside or below the axis module

| Typical motor power | Mains voltage | Product key | | Rated current | Voltage drop | Max. cable length | | Dimensions | Mass |
|---------------------------|---------------------|--------------|--------------|---------------|--------------|------------------------------------|------------------------------------|----------------|------|
| | | Single Drive | Mains filter | | | shielded C1 with external measures | shielded C2 with external measures | | |
| 4-pole asynchronous motor | | | | | | | | | |
| P | U_{AC} | | | I_N | U | I_{max} | I_{max} | h x b x t | m |
| [kW] | [V] | | | [A] | [V] | [m] | [m] | [mm] | [kg] |
| 0.37 | 3 AC 180 ... 550 | E94AS□E0024 | E94AZMS0034 | 3.20 | 10.0 | 25 | 50 | 522 x 60 x 60 | 3.3 |
| 0.75 | | E94AS□E0034 | | | | | | | |
| 1.50 | | E94AS□E0044 | E94AZMS0094 | 9.00 | | | 100 | 522 x 90 x 60 | 3.9 |
| 3.00 | | E94AS□E0074 | | | | | | | |
| 5.50 | | E94AS□E0134 | E94AZMS0184 | 18.0 | | | 7.4 | 522 x 120 x 60 | 8.4 |
| 7.50 | | E94AS□E0174 | | | | | | | |
| 11.0 | | E94AS□E0244 | E94AZMS0314 | 31.0 | | | 7.3 | | 8.8 |