



APPLICATION GUIDE

Connection Between The Mains Filter And The Controller

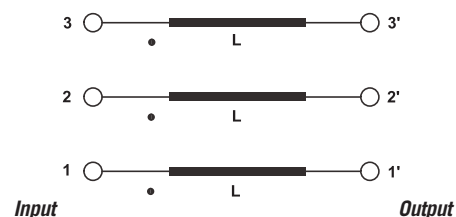
The Reactance is installed between the mains filter and the SCR controller for wrapped field motors or and the VFD (Variable speed drivers); such an application can appropriately reduce the low frequency electromagnetic interferences produced by the controller and improve. by levelling. the input current drawn. An other effect is to reduce the level of harmonic distortion. tipically from 90% to 40%.

The typical voltage drop caused by the reactor used as such is around 2 to 4% of the nominal mains voltage.

ELECTRIC CHARACTERISTICS

| | |
|------------------|---------------------------|
| Nominal Voltage | 480 V_{Ac} |
| Frequency Range | 50/60 Hz |
| Insulation class | H |
| Drop Voltage | 3% |

ELECTRIC DIAGRAM



Available with current up to 1000A and different drop voltage values

| FIN950 | I Rated 40°C (A) | L (mH) | A | B | C | D | F | H | P. loss (W) | Weight (Kg) |
|--------------------|-----------------------------|-------------------|----------|----------|----------|----------|----------|----------|------------------------|------------------------|
| .010.M29 | 10 | 2.9 | 150 | 125 | 125 | 70 | 7 | 155 | 42 | 3 |
| .016.M18 | 16 | 1.8 | 150 | 125 | 125 | 70 | 7 | 155 | 78 | 4 |
| .036.M084 | 36 | 0.84 | 180 | 150 | 110 | 90 | 7 | 280 | 82 | 6.5 |
| .050.M058 | 50 | 0.58 | 180 | 150 | 110 | 90 | 7 | 280 | 125 | 12.1 |
| .090.M032 | 90 | 0.32 | 240 | 200 | 190 | 95 | 10 | 310 | 145 | 23 |
| .150.M019 | 150 | 0.19 | 240 | 200 | 190 | 95 | 10 | 310 | 278 | 26.5 |
| .200.M00735 | 200 | 0.0735 | 240 | 200 | 190 | 95 | 10 | 310 | 301 | 32.5 |
| .300.M0049 | 300 | 0.049 | 240 | 200 | 190 | 95 | 10 | 310 | 379 | 58 |

CASE

