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SLC4000TechNote10 EMISuppressionComponents

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SLC4032 EMI Filter

Install the EMI filter in the presence of severe EMI from nearby pumps, compressors, or motors.
For Building Management Interface installations, connect the output to both SLC4000 and SLC4060
Load Capacity: 1A

Terminal Number	Description	Color
1 or Line P	Incoming 120Vac Line	Brown
2 or Line N	Incoming 120Vac Neutral	Blue
4 or Load P	Outgoing 120Vac Line to SLC4000 TB120 SLC4060 TB101	Brown
3 or Load N	Outgoing 120Vac Neutral SLC4000 TB121 SLC4060 TB101	Blue
PE (Not on all models)	Earth ground	Green/Yel (Not on all models)

IMPORTANT:

For SLC4000 installations where line power is connected to both TB100 and TB109, RLYCOM, connect the filter output to TB101 only. Wire TB109, RLYCOM, to the incoming line power.

SLC4033 Ferrite Core

Clamp the ferrite core around the signal lines that are connected to SLC4000 command terminals TB1 through TB6, as applicable, close to the SLC4000 board.

A single pass of the wires provides suppression of high frequency electromagnetic interference (EMI). If using shielded wire, include the shield through the core.

Optionally, the incoming wires may be wrapped with a single loop, which also secures the core to the wire.
Secure the core using wire ties.

Questions? Call or email us at (425) 788-2979 or techsupport@selectronix.us.