

## Three-phase and neutral line filters.

Three-phase and neutral line filters are a compact solution for the interference suppression on the mains input of cabinets and control units of equipment, ranging from industrial applications like machine tools to sensitive medical installations. These typically involve separate and often insufficiently filtered frequency inverters and SMPS, causing current imbalance and significant interference problems. As individual elements they may be interference-suppressed already. The conjunction of several switching components in the same cabinet and a non-EMC conscious cabling will rise the demand for an additional EMC/EMI filter on the mains input of the whole installation. Many times this is the only way to get the CE mark for the cabinet in accordance with the EMC directive.

### Approvals \*



Filter family	Max. voltage	Attenuation performance			Features										Typical applications									
		standard	high	very high	1-stage filter circuit	2-stage filter circuit	Safety connector blocks	Faston connectors	Offering EMC compliance	For asymmetrical loads	Broadband attenuation	Very low leakage current	For entire systems, install.	Machinery, machine tools	Industrial automation	Power supplies	Medical equipment	For high frequency appl.	High power office equipment	General purpose				
FN 256	480VAC	8 - 160			■				■	■		■				■	■	■	■	■				
FN 354	440VAC	4 - 25				■		■	■		■						■	■	■	■	■			
FN 355	440VAC	3 - 20			■			■	■		■							■		■	■			
FN 356	440VAC	16 - 150			■		■		■	■		■				■	■							
FN 3256	520VAC (H)	8 - 160			■		■		■	■		■	■	■	■	■	■			■	■			
FN 3280	520VAC (H)	8 - 600			■	■			■	■	■	■	■	■	■	■	■							

\* Products evaluated by one or more of the above certification agencies. For details please consult the detailed data sheet.