

# Selection aids

Which problem needs to be solved?

With the comprehensive range of SIDAC reactor and filter components, a solution can always be found!

SIDAC filters	dv/dt filters	Sinewave filters	Sine-wave radiated noise filters	Radio interference suppression filters	Output reactors with integrated radio interference suppression filters	Commutating reactors with integrated radio interference suppression filters
Reduction of load current peaks output/input circuit	++	++	++	+	++	++
Reduction of voltage gradient dv/dt at the motor terminals	++	++	++	--	+	--
Limiting of overvoltage due to line reflection	++	++	++	--	--	--
Generation of sinusoidal motor terminal voltage and currents	--	++	++	--	--	--
Reduction of stray losses in the motor	--	++	++	--	--	--
Reduction of motor noise	--	++	++	--	--	--
Reduction of EMC problems between outer conductors (output/input)	--	++	++	++	++	++
Reduction of EMC problems between outer conductors and earth (output/input)	--	--	++	++	++	++
Use of unshielded motor cable also possible	+	+	++	--	+	--
Reduction of commutation notches and limiting of the rate of current rise in the input circuit	--	--	--	+	--	++
Reduction of commutation reactive power	--	--	--	--	--	++
Attenuation of radio interference voltages and reduction of high frequency circuit feedback	+	+	+	++	++	++
Reduction of mains-borne electromagnetic emission and its influence	++	++	++	++	++	++