

Soft starter benefits for MINING & QUARRYING APPLICATIONS

BENEFIT	FEATURE	AUGER	COMPRESSOR	CONVEYOR	CRUSHER	MILL	PUMP	VIBRATING SCREEN
Protect equipment	Prevent damage due to reverse operation	Phase sequence	☐	■	■	■	■	
	Prevent damage from jammed loads	Instantaneous overcurrent	■		■	■	■	■
	Minimise belt stretch and belt slap	Gentle acceleration			■			
	Prolong life of pumps, pipes, valves and headworks by preventing water hammer	Soft stop					■	
	Early warning of abnormal load conditions (broken couplings, blocked pipes etc)	Undercurrent	☐			■		■
Maximise productivity	Safely use full motor capacity without nuisance tripping	Motor thermal model			■	■		■
	Maximise operation during periods of high loading			■	■			
	Complete critical processes	PowerThrough			☐			☐
	Start when loaded or unloaded	Current ramp			■			
	Control equipment loading according to motor loading	Analog output		■		■	■	
Smoother operation	Minimise stress on electrical supply	Reduced start current	■	■	■	■	■	■
	Reduce mechanical stress during start	Gentle acceleration	■	■	■	■	■	■
Intelligent control of the whole system	Simplify control circuits by directly connecting pressure switches	Digital inputs		■		■	■	