




Compatible combinations of functions and applications

Applications	Hoisting	Lift	Material handling
Machines	Cranes, overhead cranes, gantries (vertical hoisting, translation, slewing), lifting platforms	Retrofit lifts up to 1.2 ms	Palletizers/depalletizers, carton packers, labelling machines, conveyors, roller tables
			

Motor control functions




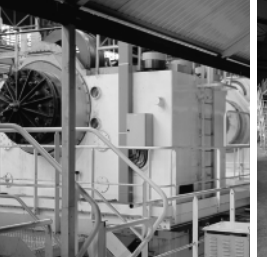
Flux vector control with and without sensor	■	■	■
2-point vector control	■		
Open-loop synchronous motor			
ENA system			
Voltage/frequency ratio			■
Output frequency 1000 Hz			
Motor overvoltage limiting	■	■	■

Application functions

Differential bipolar reference	■		■
Reference delinearization (magnifying glass effect)	■		■
Frequency control input			
Operations on references (summing, subtraction, multiplication)			■
Brake control	■	■	■
Brake feedback via contact	■		
High-speed hoisting	■		
Load measurement	■	■	
Load sharing	■		■
Slack sling	■		
Limit switch management	■	■	■
S ramp	■	■	■
Current limiting			
Output contactor command		■	
Integrity check of output contactor		■	
Rescue following power failure		■	
Stop on thermal alarm		■	
Torque control			■
Torque limit			■
Motor fluxing	■		■
Parameter set switching	■	■	■
Motor switching	■		■
Position control via limit switches			■
Uncontrolled output cut			■
Torque or current limit detection			■
PID regulator			
Auto/man			
Reference saving			
+/- speed, single action button			
+/- speed, double action button	■		
+/- speed around a reference			
Traverse control			
Automatic catching a spinning load with speed detection (catch on the fly)			
Undervoltage management			
Fastest possible stop			

■ Frequent or necessary use

(For other functions that can be used for all applications, see pages 60298/12 to 60298/33)

Packing	Textiles	Wood	High inertia	Process
Palletizers/depalletizers, carton packers, labelling machines	Weaving looms, carding frames, washing machines, spinners, drawing frames	Automatic lathes, saws, milling	Centrifuges, mixers, unbalanced machines (beam pumps, presses)	Sectional production lines (speed < 500 m/min) Example: building materials
				
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