

**Command word (F A D D)**

Bit	Specifications	0	1	Remarks
0	Preset speed operation 1	000: preset speed operation disabled 001: preset speed 1 010: preset speed 2 011: preset speed 3 100: preset speed 4 101: preset speed 5 110: preset speed 6 111: preset speed 7		
1	Preset speed operation 2			
2	Preset speed operation 3			
3	-			
4	Motor selection (1 or 2) (THR 2 selection)	Motor 1 (THR 1)	Motor 2 (THR2)	THR1 : PT=set value, uL, ub, tHr THR2 : PT=0, F170, F172, F173
5	PI control	Normal operation	PI OFF	
6	Acceleration/deceleration pattern selection (1 or 2) (AD2 selection)	Acceleration/deceleration pattern 1 (AD1)	Acceleration/deceleration pattern 2 (AD2)	AD1 : ACC, DEC AD2 : F500, F501
7	DC braking	No braking	Forced DC braking	
8	-	-	-	
9	Forward/reverse run selection	Forward selection	Reverse selection	
10	Run/stop	Stop	Run	
11	Coast stop command	No stop	Coast stop	
12	Emergency stop	No stop	Emergency stop	"E" trip
13	Drive reset in fault state	No reset	Reset	
14	Setpoint priority selection	Disabled	Enabled	Enabled regardless of the setting of FMOD
15	Command priority selection	Disabled	Enabled	Enabled regardless of the setting of CMOD

**Frequency setpoint (F A D I)**

Frequency setpoint from Modbus

Unit: 0.01 Hz

Range: 0 to [Maximum frequency] (F H)

This setpoint is enabled by setting 4 [serial communication] to the setpoint selection parameter (F P D D) or setting to 1 [enabled] setpoint priority selection (Bit 14 of Command word (F A D D)).

Once enabled, this setpoint selection is enabled till disabled ("0") is set in the setpoint priority selection (bit 14 of the command word (F A D D)), power is turned off or is reset, or factory setting (L Y P) is selected.

**Example:** Frequency setpoint 80Hz

$$80\text{Hz} = 80 \div 0.01 = 8000 = 16\# 1F40$$

Request:	01	06	FA 01	1F 40	B5 A6
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Response:	01	06	FA 01	1F 40	B5 A6
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**Status word (F E 0 1 F d 0 1)**

Status immediately before the occurrence of a trip: [Communication Number] (F E 0 1)

Current status: [Communication Number] (F d 0 1)

Bit	Specifications	0	1	Remarks
0	FL state	Not active	Active	
1	Drive state	Not tripped	Tripped	Trip statuses include rtry and trip retention status.
2	Alarm	No alarm	Alarm issued	
3	MOFF	Normal	MOFF	Main circuit undervoltage alarm.
4	Motor section (1 or 2) (THR 2 selection)	Motor 1 (THR 1)	Motor 2 (THR 2)	THR1: PT=set value, uL, ub, Thr THR2: PT=0, F170, F172, F173
5	PI control OFF	PI control permitted	PI control prohibited	
6	Acceleration/deceleration pattern selection (1 or 2)	Acceleration/deceleration pattern 1 (AD 1)	Acceleration/deceleration pattern 2 (AD 2)	AD1: ACC, DEC, AD2: F500, F501
7	DC braking	OFF	Forced DC braking	
8	Reserved	-	-	
9	Forward/reverse run	Forward run	Reverse run	
10	Run/stop	Stop	Run	
11	Coast stop (ST=OFF)	ST=ON	ST=OFF	
12	Emergency stop	Not emergency stop status	Emergency stop status	
13	Standby ST=ON	Start-up process	Standby	Standby: Initialization completed, not detected fault stop status, not alarm stop status (MOFF, LL forced stop or forced stop due to a momentary power OFF), ST=ON, and RUN=ON
14	Standby	Start-up process	Standby	Standby: Initialization completed, not detected fault stop status, and not alarm stop status (MOFF, LL forced stop or forced stop due to a momentary power OFF)
15	Local/Remote status	Remote	Local	Command is "FA08"

**Frequency and speed**

Parameter	Modbus address	Unit	Description
Output frequency (F d 0 0)	64768 16#FD00	Hz	Current value
Output frequency at last trip (F E 0 0)	65024 16#FE00	Hz	Value before trip
Output speed (F E 9 0)	65168 16#FE90	rpm	-