

Data points

Table for the frequency request setup using digital inputs - VLT 6000

Parameter No	SETUP 1	
001	0	Language (0-English]
002	5	Parameter Active Set-up, Local/Remote Control
003	0	Parameter Set-up Copying
004	1	Copy – Local Control Panel
005	100	Max. Value of User-defined Readout
006	0	User-defined Readout Units
007	3	Large Display Readout
008	2	Small Display Readout 1.1
009	5	Small Display Readout 1.2
010	6	Small Display Readout 1.3
011	0	Local Reference Value Units
012	0	Manual start - Panel
013	1	OFF/STOP – Local Control Panel
014	1	Auto start – Local Control Panel
015	1	Restart – Local Control Panel
016	0	Data Change Blocking
017	1	Operating State at Local Control Start
100	0	Configuration
101	0	Torque Characteristics
102	Motor Power	Motor Power (Rated Value)
103	230/400V	Motor Voltage (Rated Value)
104	50	Motor Frequency
105	Motor Current	Motor Current (Rated Value)
106	Motor Speed	Motor Nominal Speed (Rated Value)
107	0	Automatic Motor Adaptation AMA
108	0V, par 103	Start Voltage - Parallel Motors
109	100	Resonance Dampening
110	0.0	High Start-up Torque
111	0.0	Start Delay (Motor Start-up]
112	0	Motor Preheating
113	50	Motor Preheating DC Current
114	50	SS Braking Current
115	10	SS Braking Current Time
116	OFF	DC Switching Frequency
117	4	Motor Thermal Protection

Data points

200	0	Output Frequency Range
201	0.0	Minimum Output Frequency
202	50	Maximum Output Frequency
203	1	Reference Value Location
204	0.00	Minimum Reference Value, Ref.min.
205	50%	Maximum Reference Value, Ref.max.
206	1-3600	Start-up Time – set according to conditions
207	1-3600	Run - down Time – set according to conditions
208	1	Automatic Run-down and Start-up Time
209	10.0	Constant Speed Frequency
210	0	Reference Value Type
211	20Hz	Fixed Reference Value 1
212	40Hz	Fixed Reference Value 2
213	60Hz	Fixed Reference Value 3
214	80Hz	Fixed Reference Value 4
215	1.0 x I _{ltn}	Current Limit, I lim. (Amps)
216	Off	Frequency Bypass, Bandwidth
217	120	Frequency Bypass 1
218	120	Frequency Bypass 2
219	120	Frequency Bypass 3
220	120	Frequency Bypass 4
221	0.0	Warning Low Current
222	I _{lt} max	Warning High Current
223	0.0	Warning Low Frequency
224	120	Warning High Frequency
225	0.0	Warning Low Reference Value
226	50	Warning High Reference Value
227	-999.999	Warning Low Feedback
228	999.999	Warning High Feedback
300	4	Parameter Set-up Selection, Terminal 16
301	0	No Function, terminal 17
302	1	Start, terminal 18
303	0	No Function, terminal 19
304	0	No Function, terminal 27*
305	7	Fixed Reference Value, terminal 29, LSB
306	0	No Function, terminal 32

*Connect to terminal 12 (+24V) – otherwise the converter does not start

Data points

307	6	Fixed Reference Value, terminal 33, MSB
308	0	Terminal 53, Analogue Voltage Input
309	0.0	Terminal 53 - Min. Scale
310	10.0	Terminal 53 - Max. Scale
311	No Function	Terminal 54, Voltage Input inlet
312	0.0	Terminal 54 - Min. Scale
313	10.0	Terminal 54 - Max. Scale
314	No Value	Terminal 60, Analogue Current, Input
315	4.0	Terminal 60 - Min. Scale
316	20.0	Terminal 60 - Max. Scale
317	10	Time Out
318	0	Function After Time Out
320	5000	Terminal 42, Pulse Output
321		Terminal 45, Output
322	5000	Terminal 45, Pulse Output
323		Relay 1, Output Function
324	0	Relay 1, Delayed Closing
325	0	Relay 1, Delayed Opening
326		Relay 2, Output Function
327	5000	Pulse Reference Value, max.
328	0 mA	Min. Setting
316	20 mA	Max. Setting
Parameter No	SETUP 2	
200	0	Output Frequency Range
201	0.0	Minimum Output Frequency
202	50	Maximum Output Frequency
203	1	Reference Value Location
204	0.00	Minimum Reference Value, Ref.min.
205	50%	Maximum Reference Value, Ref.max.
206	1-3600	Start-up Time – set according to conditions (120 :
207	1-3600	Run - down Time – set according to conditions (1
208	1	Automatic Run-down and Start-up Time
209	10.0	Constant Speed Frequency
210	0	Reference Value Type
211	100Hz	Fixed Reference Value 1
212	0	Fixed Reference Value 2
213	0	Fixed Reference Value 3
214	0	Fixed Reference Value 4