

List ID	Value	Display	Description	
ACT	0	[Not Done] (TAB)	Not done	
	1	[Pending] (PEND)	Test is pending	
	2	[In Progress] (PROG)	Test in progress	
	3	[Error] (FAIL)	Error detected	
	4	[Autotuning Done] (DONE)	Autotuning Done	
ACTION	0	[No action] (NO)	No action	
	1	[Apply Autotuning] (YES)	Apply autotuning	
	2	[Erase Autotuning] (CLR)	Erase autotuning	
ADC	0	[No] (NO)	No DC injection	
	1	[Yes] (YES)	DC injection	
	2	[Continuous] (CT)	Continuous DC injection	
AIOL	0	[0 - 100%] (POS)	Positive only	
	1	[+/- 100%] (POSNEG)	Positive and negative	
AIOT	1	[Voltage] (10U)	Voltage	
	2	[Current] (0A)	Current	
	5	[Voltage +/-] (N10U)	AI bipolar volts selected	
	7	[PTC MANAGEMENT] (PTC)	PTC MANAGEMENT	
	8	[KTY] (KTY)	KTY	
	9	[PT1000] (1PT3)	PT1000	
	10	[PT100] (1PT2)	PT100	
	11	[Water Prob] (LEVEL)	Water Prob	
	12	[3 PT1000] (3PT3)	3 PT1000	
	13	[3 PT100] (3PT2)	3 PT100	
	14	[PT1000 in 3 wires] (1PT33)	PT1000 in 3 wires	
	15	[PT100 in 3 wires] (1PT23)	PT100 in 3 wires	
	16	[3 PT1000 in 3 wires] (3PT33)	3 PT1000 in 3 wires	
	17	[3 PT100 in 3 wires] (3PT23)	3 PT100 in 3 wires	
	ALR	0	[No Warning stored] (NOA)	No Warning stored
		1	[Fallback Frequency] (FRF)	Fallback Frequency reaction
		2	[Speed Maintained] (RLS)	Speed maintained
3		[Type of stop] (STT)	Type of stop	
4		[Ref Frequency Warning] (SRA)	Reference Frequency Warning	
5		[Life Cycle Warn 1] (LCA1)	Life Cycle Warning 1	
6		[Life Cycle Warn 2] (LCA2)	Life Cycle Warning 2	
7		[Dry Run Warning] (DRYA)	Dry run warning	
8		[Low Flow Warning] (LFA)	Low Flow Warning	
9		[High Flow Warning] (HFPA)	High flow warning	
10		[InPress Warning] (IPPA)	Inlet Pressure Warning	
11		[Low OutPres Warn] (OPLA)	Outlet Pressure Low warning	
12		[High OutPres Warn] (OPHA)	Outlet Pressure High warning	
13		[PumpCycle warning] (PCPA)	Pump cycle warning	
14		[Anti-Jam Warning] (JAMA)	Anti-Jam warning	
15		[Pump Low Flow] (PLFA)	Pump Low Flow	
16		[LowPres Warning] (LPA)	Low pressure warning	
17		[Flow Limit activated] (FSA)	Flow Limit activated	
18		[PID error Warning] (PEE)	PID error Warning	
19		[PID Feedback Warn] (PFA)	PID feedback Warning	
20		[PID High Fdbck Warn] (PFAH)	PID High Feedback Warning	
21		[PID Low Fdbck Warn] (PFAL)	PID Low Feedback Warning	
22		[Regulation Warning] (PISH)	Regulation Warning	
26		[AI2 Th Warning] (TP2A)	AI2 thermal sensor warning	
27		[AI3 Th Warning] (TP3A)	AI3 thermal sensor warning	
28		[AI4 Th Warning] (TP4A)	AI4 thermal sensor warning	
29		[AI5 Th Warning] (TP5A)	AI5 thermal sensor warning	
30		[AI1 4-20 Loss Warning] (AP1)	AI1 4-20 loss Warning	
31		[AI2 4-20 Loss Warning] (AP2)	AI2 4-20 loss Warning	
32		[AI3 4-20 Loss Warning] (AP3)	AI3 4-20 loss Warning	
33		[AI4 4-20 Loss Warning] (AP4)	AI4 4-20 loss Warning	
34		[AI5 4-20 Loss Warning] (AP5)	AI5 4-20 loss Warning	
35		[Drive Thermal Warning] (THA)	Drive thermal state Warning	
36		[IGBT Thermal Warning] (TJA)	IGBT thermal Warning	
37		[Fan Counter Warning] (FCTA)	Fan Counter Warning	
38		[Fan Feedback Warning] (FFDA)	Fan Feedback Warning	
40		[Ext. Error Warning] (EFA)	External error warning	
41		[Undervoltage Warning] (USA)	Undervoltage Warning	
42		[Preventive UnderV Active] (UPA)	Preventive undervoltage active	
43		[Forced Run] (ERN)	Drive in forced run	
44		[Mot Freq High Thd] (FTA)	Motor frequency high threshold reached	
45		[Mot Freq Low Thd] (FTAL)	Motor frequency low threshold reached	
47		[Mot Freq Low Thd 2] (F2AL)	Motor frequency low threshold 2 reached	
48		[High Speed Reached] (FLA)	High Speed Reached	
49		[Ref Freq High Thd reached] (RTAH)	Reference frequency high threshold reached	
50		[Ref Freq Low Thd reached] (RTAL)	Reference frequency low threshold reached	
51		[2nd Freq Thd Reached] (F2A)	2nd Frequency Threshold Reached	
52		[Current Thd Reached] (CTA)	Current Threshold Reached	
53		[Low Current Reached] (CTAL)	Low Current Threshold Reached	
54		[High Torque Warning] (TTHA)	High torque Warning	
55		[Low Torque Warning] (TTLA)	Low torque Warning	
56		[Process Undld Warning] (ULA)	Process underload Warning	
57		[Process Overload Warning] (OLA)	Process Overload Warning	
60		[Drv Therm Thd reached] (TAD)	Drive thermal threshold reached	
61		[Motor Therm Thd reached] (TSA)	Motor thermal threshold reached	
65		[Power High Threshold] (PTHA)	Power high threshold reached	
66		[Power Low Threshold] (PTHL)	Power Low threshold reached	
67		[Cust Warning 1] (CAS1)	Customer Warning 1	
68		[Cust Warning 2] (CAS2)	Customer Warning 2	
69		[Cust Warning 3] (CAS3)	Customer Warning 3	
70		[Cust Warning 4] (CAS4)	Customer Warning 4	
71		[Cust Warning 5] (CAS5)	Customer Warning 5	
72		[AFE Mains Undervoltage] (URA)	AFE Mains undervoltage	
73		[Power Cons Warning] (POWD)	Power Consumption Warning	
74		[Switch OutPres Warn] (OPSA)	Output Pressure High switch warning	
75		[Ethernet Internal Warning] (INWM)	Ethernet Internal Warning	
78		[MP Capacity Warn] (MPCA)	Multi-Pump available capacity warning	
79		[Lead Pump Warn] (MPLA)	Lead pump not available	
80		[High Level Warning] (LCHA)	High Level Warning	
81		[Low Level Warning] (LCLA)	Low Level Warning	
82		[Level Switch Warning] (LCWA)	Level Switch Warning	
97		[MonitorCircuit A Warn] (IWA)	Monitoring circuit A warning	
98		[MonitorCircuit B Warn] (IWB)	Monitoring circuit B warning	
99		[MonitorCircuit C Warn] (IWC)	Monitoring circuit C warning	

	100	[MonitorCircuit D Warn] (IWD)	Monitoring circuit D warning
	101	[CabinetCircuit A Warn] (CWA)	Cabinet circuit A warning
	102	[CabinetCircuit B Warn] (CWB)	Cabinet circuit B warning
	103	[CabinetCircuit C Warn] (CWC)	Cabinet circuit C warning
	104	[MotorWinding A Warn] (TWA)	Motor winding A warning
	105	[MotorWinding B Warn] (TWB)	Motor winding B warning
	106	[MotorBearing A Warn] (TWC)	Motor bearing A warning
	107	[MotorBearing B Warn] (TWD)	Motor bearing B warning
	108	[Circuit Breaker Warn] (CBW)	Circuit breaker warning
	109	[Cab I/O 24V Warn] (P24C)	Cabinet I/O 24V missing warning
	113	[AFE Motor Limitation] (CLIM)	AFE Motor Limitation
	114	[AFE Generator Limitation] (CLIG)	AFE Generator Limitation
	115	[AFE Sensor thermal state] (THSA)	AFE Sensor thermal state
	116	[AFE IGBT thermal state] (THJA)	AFE IGBT thermal state
	117	[Cabinet Fan Fdbck Warn] (FFCA)	Cabinet fan feedback warning
	118	[Cabinet Fan Counter Warn] (FFCA)	Cabinet fan counter warning
	119	[Cabinet Overheat Warn] (CHA)	Cabinet overheat warning
	120	[CMI Jumper Warn] (CMIJ)	CMI jumper warning
	121	[AFE Fan Counter Warn] (FCBA)	AFE fan counter warning
	122	[AFE Fan Fdbck Warn] (FFBA)	AFE fan feedback warning
	124	[M/P Device Warn] (MPDA)	Multipump device warning
	134	[Temp Sens AI2 Warn] (TS2A)	Temperature sensor AI2 warning
	135	[Temp Sens AI3 Warn] (TS3A)	Temperature sensor AI3 warning
	136	[Temp Sens AI4 Warn] (TS4A)	Temperature sensor AI4 warning
	137	[Temp Sens AI5 Warn] (TS5A)	Temperature sensor AI5 warning
	138	[DC Bus Ripple Warn] (DCRW)	DC bus ripple warning
APPS	0	[Running] (RUN)	Running
	1	[Stop] (STOP)	Stop
	2	[Local Mode Active] (LOCAL)	Local mode is active
	3	[Channel 2 Active] (OVER)	Channel 2 Active
	4	[Manual Mode Active] (MANU)	Manual mode is active
	5	[PID Active] (AUTO)	PID Active
	6	[Anti-Jam In progress] (AJAM)	Anti-Jam is in progress
	7	[Flow limit In progress] (FLIM)	Flow limit In progress
	8	[PipeFill In progress] (FILL)	PipeFill is in progress
	9	[Jockey Pump Active] (JOCKEY)	Jockey Pump is active
	10	[Boost In progress] (BOOST)	Boost is in progress
	11	[Sleep Active] (SLEEP)	Sleep mode is active
	12	[Priming Pump Active] (PRIM)	Priming pump is active
	13	[InletPres Comp Active] (COMP)	Inlet Pressure Compensation is in progress
	15	[Undefined] (UNDEF)	Undefined
APPT	0	[Generic Pump Control] (GPMP)	Generic Pump Control
	1	[Pump Level Control] (LEVEL)	Pump level control application
	2	[Pump Booster Control] (BOOST)	Pump Booster control application
	3	[Generic Fan Control] (FAN)	Generic fan control application
AST	5	[PSI align.] (PSI)	Pulse Signal Injection
	6	[PSIO align.] (PSIO)	Pulse Signal Injection - Optimized
	7	[Rotational Current Injection] (RCI)	Rotational Current Injection
	254	[No align.] (NO)	NO alignment
AUT	0	[No] (NO)	No
	1	[Yes] (YES)	Yes
AVOT	0	[+/- 8192] (INEG)	+/- 8192
	1	[+/- 100%] (PNEG)	+/- 100%
BCS	0	[None] (NONE)	Not configured
	1	[Inactive] (NACT)	Inactive
	2	[Running] (RUN)	Running
	3	[Stage Pending] (STGP)	Stage Pending
	4	[Destage pending] (DSTGP)	Destage pending
	5	[Staging] (STG)	Staging
	6	[Destaging] (DSTG)	Destage in progress
BDCO	38	[50 kbps] (50K)	Baud rate 50kbps
	52	[125 kbps] (125K)	Baud rate 125kbps
	60	[250 kbps] (250K)	Baud rate 250kbps
	68	[500 kbps] (500K)	Baud rate 500kbps
	76	[1 Mbps] (1M)	Baud rate 1Mbps
BFR	0	[50Hz IEC] (50Hz)	50Hz Motor frequency
	1	[60Hz NEMA] (60Hz)	60Hz Motor frequency
BMP	0	[Stop] (STOP)	Cmd/ref clear on c/over
	1	[Bumpless] (BUMP)	Cmd/ref copied on c/over
	2	[Disabled] (DIS)	Disabled
BOA	0	[Inactive] (NO)	Inactive
	1	[Dynamic] (DYNA)	Dynamic
	2	[Static] (STAT)	Static
	3	[Constant] (CSTE)	Constant
BRA	0	[No] (NO)	No
	1	[Yes] (YES)	Yes
	2	[High Torque] (DYNA)	High torque
BSDC	0	[Speed] (SPD)	Speed
	1	[Feedback] (FBK)	Feedback
	2	[Speed+Flow] (SPFL)	Speed+Flow
	3	[Feedback+Flow] (FBFL)	Feedback+Flow
	5	[Energy Optimized] (OPT)	Energy Optimized
BSDM	0	[Speed] (BSPD)	
	1	[Feedback] (BFBK)	
	2	[Advanced] (ADV)	
BSP	0	[Standard] (BSD)	Standard ref template
	1	[Pedestal] (BLS)	Pedestal at LSP
	2	[Deadband] (BNS)	Deadband at LSP
	4	[Deadband at 0%] (BNS0)	Deadband at 0 speed
CAR	0	[No Warning Clearing] (NO)	No Warning clearing
	1	[Clear Event 1 Warning] (RA1)	Clear Event 1 Warning
	2	[Clear Event 2 Warning] (RA2)	Clear Event 2 Warning
	3	[Clear Event 3 Warning] (RA3)	Clear Event 3 Warning
	4	[Clear Event 4 Warning] (RA4)	Clear Event 4 Warning
	5	[Clear Event 5 Warning] (RA5)	Clear Event 5 Warning
CBS	0	[CB Not Configured] (NO)	Circuit breaker not configured
	1	[CB Invalid Config] (CBCI)	Circuit breaker configuration invalid
	2	[CB In Start Pulse] (CBST)	Circuit breaker in start pulse
	3	[CB Not Closed] (CBNC)	Circuit breaker not closed
	4	[CB Open] (CBOS)	Circuit breaker open
	5	[CB In Stop Pulse] (CBSP)	Circuit breaker in stop pulse
	6	[CB Not Open] (CBNO)	Circuit breaker not open

	7	[CB Closed] (CBCS)	Circuit breaker closed
	8	[CB stop disable] (CBSD)	Circuit breaker stop is disable
CBSR	0	[Error] (FLT)	Error
	1	[Warning] (WAR)	Warning
CCA	0	[Not Configured] (NO)	Not Configured
	1	[Counter] (CPT)	Counter
	2	[Date and Time] (DT)	Date and Time
CCS	0	[Mains/Control ON] (0)	Mains or Control Supply ON
	1	[Mains Supply ON] (1)	Mains Supply ON
	2	[Drive is Running] (2)	Drive in Running State
CDX	1	[Terminals] (TER)	Terminal block
	3	[HMI] (LCC)	Local HMI
	10	[Modbus] (MDB)	Modbus communication
	20	[CANopen] (CAN)	CANopen communication
	30	[Com. Module] (NET)	Ext. communication Module
	40	[Ethernet] (ETH)	Ethernet
CFPS	0	[None] (NO)	Not Assigned
	1	[Set No.1] (CFP1)	Parameter set 1
	2	[Set No.2] (CFP2)	Parameter set 2
	3	[Set No.3] (CFP3)	Parameter set 3
CHCF	1	[Not separ.] (SIM)	Combined channel mode
	2	[Separate] (SEP)	Separated channel mode
	3	[I/O profile] (IO)	I/O mode
CINR	20	[0.001] (0001)	0.001
	30	[0.01] (001)	0.01
	40	[0.1] (01)	0.1
	50	[1] (1)	1
	60	[10] (10)	10
CIOA	0	[20/70] (20)	20/70
	1	[21/71] (21)	21/71
	2	[100/101] (100)	100/101
	3	[Unconfig.] (UNCG)	Unconfigured
CMDT	0	[Parameters List] (NO)	Parameters List
	1	[PID Feedback] (PFT)	PID Feedback Trend view
	2	[Outlet Pressure] (OPT)	Outlet Pressure Trend view
	3	[Inlet Pressure] (IPT)	Inlet Pressure Trend view
	4	[Installation Flow] (IFT)	Installation Flow Trend view
CNFS	0	[In progress] (NO)	In progress
	1	[Config. No.0] (CNF0)	Configuration set 1
CNL	0	[Terminals] (TER)	Terminal block
	2	[HMI] (LCC)	Local HMI
	3	[Modbus] (MDB)	Modbus communication 1
	6	[CANopen] (CAN)	CANopen communication
	9	[Com. Module] (NET)	Ext. communication Module
	11	[Ethernet Module] (ETH)	Ethernet option module
	15	[PC tool] (PWS)	PC tool
COFM	0	[Measured] (HWCOF)	Measured
	1	[Computed] (SWCOF)	Computed
COM1	0	[R0T0] (R0T0)	
	1	[R0T1] (R0T1)	
	2	[R1T0] (R1T0)	
	3	[R1T1] (R1T1)	
COP	0	[No] (NO)	No copy
	1	[Reference Frequency] (SP)	Copy reference frequency
	2	[Command] (CD)	Copy command
	3	[Cmd + Ref Frequency] (ALL)	Copy command & reference frequency
CSA	0	[No] (NO)	Not assigned
	1	[AQ1 assignment] (AO1)	AQ1 assignment
	2	[AQ2 assignment] (AO2)	AQ2 assignment
	129	[Ref Frequency 1] (AIFR1)	Reference frequency 1
	130	[Ref Frequency 2] (AIFR2)	Reference frequency 2
	131	[Ref Frequency 2 Summing] (AISA2)	Reference frequency 2 Summing
	132	[PID feedback] (AIPF)	PI controller feedback
	137	[Subtract Ref Freq 2] (AIDA2)	Subtract Reference Frequency 2
	138	[Manual PID ref.] (AIPM)	Manual PID reference
	139	[PID Ref Frequency] (AIFPI)	PID reference frequency
	160	[Ref Frequency 3 Summing] (AISA3)	Reference frequency 3 Summing
	161	[Ref Frequency 1B] (AIFR1B)	Reference frequency 1B
	162	[Subtract Ref Freq 3] (AIDA3)	Subtract Reference Frequency 3
	163	[Forced local] (AIFLOC)	Forced loc mode channel
	164	[Ref Frequency 2 multiplier] (AIMA2)	Reference frequency 2 multiplier
	165	[Ref Frequency 3 multiplier] (AIMA3)	Reference frequency 3 multiplier
	168	[Virtual AI1 Channel] (AIAIC1)	Virtual AI1 channel
	170	[Virtual AI2 Channel] (AIAIC2)	Virtual AI2 Channel
	171	[Virtual AI3 Channel] (AIAIC3)	Virtual AI3 Channel
	205	[External Feed Forward] (AITEFF)	External feed forward
	340	[InletPres Sensor] (PS1A)	Inlet Pressure sensor source
	341	[OutletPres Sensor] (PS2A)	Outlet Pressure sensor source
	342	[Inst Flow Sensor] (FS1A)	Installation flow sensor source
	343	[Pump Flow Sensor] (FS2A)	Pump flow sensor source
	344	[LevelCtrl Sensor] (LCSA)	Level Control Sensor
CSLFN	0	[No] (NO)	No
	181	[Preset Speed 1] (FNPS1)	Preset Speed 1
	182	[Preset Speed 2] (FNPS2)	Preset Speed 2
	183	[PID Ref Freq 1] (FNPR1)	PID reference frequency 1
	184	[PID Ref Freq 2] (FNPR2)	PID reference frequency 2
	185	[+speed] (FNUSP)	Increase speed
	186	[-speed] (FNDSP)	Decrease speed
CSLOUT	0	[No] (NO)	No
	146	[R2] (R2)	Relay R2
	147	[R3] (R3)	Relay R3
	148	[R4] (R4)	Relay R4
	149	[R5] (R5)	Relay R5
	150	[R6] (R6)	Relay R6
	163	[DQ11 Digital Output] (DO11)	DQ11 Digital Output
	164	[DQ12 Digital Output] (DO12)	DQ12 Digital Output
	200	[VSP] (VSP)	VSP
	209	[R60] (R60)	Relay R60
	210	[R61] (R61)	Relay R61
	211	[R62] (R62)	Relay R62
	212	[R63] (R63)	Relay R63
	213	[R64] (R64)	Relay R64

	214	[R65] (R65)	Relay R65
	215	[R66] (R66)	Relay R66
CTT	3	[U/F VC Standard] (STD)	U/F VC Standard motor law
	4	[U/F VC 5pts] (UF5)	U/F VC 5 point voltage/frequency
	6	[U/F VC Quad.] (UFQ)	U/F VC Quadratic
	10	[SYN U VC] (SYNU)	SYN U VC law
	11	[U/F VC Energy Sav.] (ECO)	U/F VC Energy Sav.
	12	[Reluctance Motor] (SRVC)	Reluctance Motor
DCRC	0	[Ignore] (NO)	Ignore monitoring
	1	[Warning] (WARN)	Warning triggered
	2	[Error] (FLT)	Error triggered
DLR	0	[Locked drv] (DLR0)	Drive Locked
	1	[Unlock. drv] (DLR1)	Drive unlocked
	2	[Not allowed] (DLR2)	Download not allowed
	3	[Lock/unlock] (DLR3)	Combined Lock/Unlock
DOTD	0	[Freewheel stop] (NST)	Drive freewheel stop
	1	[Ramp stop] (RMP)	Ramp stop
DPMA	1	[Master 1] (1)	Master 1
	2	[Master 2] (2)	Master 2
DRT	0	[Normal Duty] (NORMAL)	Normal duty
	1	[Heavy Duty] (HIGH)	High duty
DRYM	0	[No] (NO)	No
	1	[Switch] (SWT)	Switch
	2	[Power] (PWR)	Power
DUR	0	[5 minutes] (5)	5 minutes
	1	[10 minutes] (10)	10 minutes
	2	[30 minutes] (30)	30 minutes
	3	[1 hour] (1H)	1 hour
	4	[2 hours] (2H)	2 hours
	5	[3 hours] (3H)	3 hours
ECFG	6	[Unlimited] (CT)	Unlimited
	0	[Ignore] (NO)	Ignore
	1	[Freewheel Stop] (YES)	Freewheel stop
	2	[Per STT] (STT)	Per STT
	4	[Fallback Speed] (LFF)	Fallback speed
	5	[Speed maintained] (RLS)	Speed maintained
	6	[Ramp stop] (RMP)	Ramp stop
	7	[Fast stop] (FST)	Fast stop
EFDR	8	[DC injection] (DCI)	DC injection
	0	[No Error] (NO)	No error
	1	[Server Timeout] (TOUT)	Server timeout
	2	[Server No File] (SNF)	Server no file
	3	[Server Corrupt File] (CRPT)	Server corrupt file
	4	[Server Empty File] (EPTY)	Server empty file
	5	[Drive Invalid File] (HINV)	Drive invalid file
	6	[CRC Error] (CRC)	CRC error
	7	[Version Incompatibility] (VRM)	Version incompatibility
	9	[Drive No File] (HNF)	Drive no file
	10	[Server Reading Size] (SIZE)	Server reading Size
	11	[Drive Opening File] (OPEN)	Drive opening file
	12	[Drive Reading File] (READ)	Drive reading file
	13	[Incompatibility] (SCNT)	Incompatibility
	14	[Drive Invalid Name] (NINV)	Drive invalid name
	15	[Server Incorrect File Size] (FSIZ)	Server incorrect file size
	16	[Drive Writing File] (HWF)	Drive writing file
17	[Server Writing File] (SWF)	Server writing file	
EMDT	0	[KW Counter] (KWCT)	KW Counter
	1	[Instant. kW trend] (CVE)	Instantaneous kW trend
	2	[Daily kWh report] (HSD)	Daily kWh report
	3	[Weekly kWh report] (HSW)	Weekly kWh report
	4	[Monthly kWh report] (HSM)	Monthly kWh report
	5	[Yearly kWh report] (HSY)	Yearly kWh report
FCS	0	[No] (NO)	No
	1	[Recall customer parameter set 0] (REC0)	Recall customer parameter set 0
	2	[Recall customer parameter set 1] (REC1)	Recall customer parameter set 1
	3	[Recall customer parameter set 2] (REC2)	Recall customer parameter set 2
	4	[Recall customer parameter set 3] (REC3)	Recall customer parameter set 3
	64	[Recall default parameter set] (INI)	Recall default parameter set
	71	[Recall OEM default parameter set] (INI1)	Recall OEM default parameter set
FCSI	0	[Macro Config] (INI)	Macro configuration
	2	[Config 1] (CFG1)	Configuration 1
	3	[Config 2] (CFG2)	Configuration 2
	4	[Config 3] (CFG3)	Config 3
FDRA	0	[NOT ACTIVE] (IDLE)	NOT ACTIVE
	1	[SAVE] (SAVE)	SAVE
	2	[REST] (REST)	REST
FEM	0	[No] (NO)	Disable pump characteristics
	1	[HQ] (HQ)	Enable Head vs Flow curve
	2	[PQ] (PQ)	Activate Power vs Flow curve
FFM	0	[Standard] (STD)	Standard
	1	[Always] (RUN)	Always
	2	[Never] (STP)	Never
	3	[Economy] (ECO)	Economy
FLCM	0	[Inactive] (NO)	Inactive
	1	[Display] (MON)	Display
	2	[Compensation] (COMP)	Compensation
FLR	0	[Not Configured] (NO)	Not configured
	1	[Yes On Freewheel] (YES)	Yes on freewheel
	2	[Yes Always] (ALL)	Yes always
FOR	2	[8-O-1] (8O1)	8bit odd parity 1stop bit
	3	[8-E-1] (8E1)	8 bits even parity 1 stop bit
	4	[8-N-1] (8N1)	8bit no parity 1stop bit
	5	[8-N-2] (8N2)	8bit no parity 2stop bits
FWER	0	[No Error] (NO)	No error
	1	[Lock Error] (LOCK)	Lock error
	2	[Package Error] (MD5)	Package error
	3	[Package compatibility error] (COMP)	Package compatibility error
	4	[Ask error] (ASK)	Ask error
	5	[Reset Drive Error] (RESET)	Reset drive error
	6	[Conf Saving Warning] (SAVE)	Configuration saving warning
	7	[Conf Loading Warning] (LOAD)	Conf loading warning
8	[Post Script Warning] (SCP)	Post Script warning	

	9	[Package Description Error] (DES)	Package Description error
	10	[Package not found] (PKG)	Package not found
	11	[Power Supply error] (SPWR)	Power Supply error
	12	[Boot M3 error] (BTM3)	Boot M3 error
	13	[Boot C28 error] (BTC28)	Boot C28 error
	14	[M3 Error] (M3)	M3 error
	15	[C28 error] (C28)	C28 error
	16	[CPLD error] (CPLD)	CPLD error
	17	[Boot Power Error] (PWR)	Boot power error
	18	[Emb. Eth Boot Error] (EMBT)	Embedded ethernet boot error
	19	[Emb. Eth Error] (EMIL)	Embedded ethernet error
	20	[Emb. Eth Web Error] (EMWB)	Embedded ethernet WebServer error
	21	[Module Eth Boot Error] (OPTBT)	Module ethernet boot error
	22	[Module Eth Error] (OPTIL)	Module ethernet error
	23	[Module Eth Web Error] (OPTWB)	Module ethernet WebServer error
	24	[Password enabled] (PSWD)	Password enabled
	25	[Flash Error] (MEM)	Flash error
	26	[Package error] (IFO)	Package error
	27	[Wait] (WAIT)	Wait
FWST	0	[Inactive] (CHECK)	Firmware update inactive
	1	[PwrUpd in progress] (POWER)	Power update in progress
	2	[PwrUpd Pending] (PEND)	Power update pending
	3	[Ready] (RDY)	Firmware update ready
	4	[Inactive] (NO)	Firmware update inactive
	5	[Succeeded] (SUCCD)	Firmware update succeeded
	6	[Update Error] (FAILED)	Update Error
	7	[In Progress] (PROG)	Firmware update in progress
	8	[Requested] (RQSTD)	Firmware update requested
	9	[Transfer In Progress] (TRLD)	Transfer In Progress
	10	[Transfer Done] (TROK)	Transfer Done
	11	[Package cleared] (CLEAR)	Package cleared
	12	[Warning] (SUCWR)	Firmware update succeeded with warnings
	13	[Drive State Error] (FLSTA)	Drive State Error
	14	[Package Error] (FLPKG)	Package Error
	15	[Saving conf] (SAVE)	Saving current configuration
	16	[Post Script] (POST)	Post Script
HMS	0	[Autotuning] (TUN)	Drive automatic tuning
	1	[In DC inject.] (DCB)	DC injection
	2	[Ready] (RDY)	Ready
	3	[Freewheel] (NST)	Freewheel stop
	4	[Running] (RUN)	Running
	5	[Accelerating] (ACC)	Accelerating
	6	[Decelerating] (DEC)	Decelerating
	7	[Current limitation] (CLI)	In current limitation
	8	[Fast stop] (FST)	Fast stop
	11	[No Mains Voltage] (NLP)	No Mains voltage
	13	[control.stop] (CTL)	Control stopping
	14	[Dec. adapt.] (OBR)	Dec ramp adaptation
	15	[Output cut] (SOC)	Output cut
	17	[Undervoltage Warning] (USA)	Undervoltage Warning
	18	[TC Mode Active] (TC)	TC Mode active
	19	[In autotest] (ST)	In autotest
	20	[Autotest error] (FA)	Autotest error
	21	[Autotest OK] (OK)	Autotest OK
	22	[EEProm test] (EP)	EEProm test
	23	[Operating State "Fault"] (FLT)	Operating state "Fault"
	25	[DCP Flashing Mode] (DCP)	DCP Flashing Mode
	30	[STO active] (STO)	STO active
	35	[Energy Saving] (IDLE)	Energy Saving
	36	[Firmware Update] (FWUP)	Firmware Update
	37	[AFE Mains Undervoltage] (URA)	AFE Mains undervoltage
IFM	0	[Always Active] (ALL)	Always active
	1	[Ready & Run State] (RRY)	Ready and Run state
	2	[Run State] (RUN)	Run state
INHS	0	[Disabled] (NO)	Disabled
	1	[Forced Run FW] (FRD)	Forced Run in forward direction
	2	[Forced Run RV] (RRS)	Forced Run in reverse direction
INR	0	[0.01] (001)	hundredths of seconds
	1	[0.1] (01)	Tenths of seconds
	2	[1] (1)	seconds
IPAE	0	[Idle State] (IDLE)	Idle State
	1	[Init] (INIT)	Init
	2	[Configuration] (CONF)	Configuration
	3	[Ready] (RDY)	Ready
	4	[Operational] (OPE)	Operational
	5	[Not Configured] (UCFG)	Not Configured
	6	[Unrecoverable Error] (UREC)	Unrecoverable error
IPM	0	[Fixed] (MANU)	Fixed address
	1	[BOOTP] (BOOTP)	BOOTP
	2	[DHCP] (DHCP)	DHCP
	3	[DCP] (DCP)	DCP
IPPM	0	[No] (NO)	NO
	1	[Warning] (ALARM)	Warning
	2	[Compensation] (COMP)	Compensation
JATC	0	[No] (NO)	No
	1	[Start] (START)	Start
	2	[Time] (TIME)	Time
	3	[Torque] (TORQUE)	Torque
LAC	0	[Basic] (BAS)	Basic access
	1	[Standard] (STD)	Standard access
	3	[Expert] (EPR)	Expert access
	4	[Services] (SER)	Services
LCM	0	[No] (NO)	Deactivated
	1	[Filling] (FILL)	Filling Mode
	2	[Emptying] (EMPTY)	Emptying Mode
LCNT	0	[Level Switches] (SW)	Level Switches
	1	[Level Sensor] (LEVEL)	Level Sensor
	2	[Pressure sensor] (PRES)	Pressure sensor
LCPM	0	[Simultaneous Stop] (COMM)	All pumps stopped simultaneously
	1	[Individual Stop] (INDIV)	Each pump stopped individually
LCS	0	[None] (NONE)	Not configured
	1	[Inactive] (NACT)	Inactive

	2	[Filling] (FILL)	Filling in progress
	3	[Emptying] (EMPTY)	Emptying in progress
	4	[Low Level] (LOW)	Low Level
	5	[High Level] (HIGH)	High Level
LCST	0	[Switches] (TRAD)	Switches
	1	[Standard] (BASIC)	Standard
	2	[Energy Optimized] (ADV)	Energy Optimized
LDD	0	[Distrib. Log. DISABLE] (NO)	Distribution logging disable
	1	[Motor Frequency] (RFR)	Motor frequency
	2	[Motor Current] (LCR)	Motor current
	3	[Motor Speed] (SPD)	Motor Speed
	4	[Motor Voltage] (UOP)	Motor voltage
	5	[Motor Mech. Power] (OPRW)	Motor mechanical power
	6	[Input Elec. Power] (IPRW)	Input Electrical Power
	7	[Output Elec. Power] (EPRW)	Output Electrical Power
	8	[Motor Torque] (OTR)	Motor torque
	9	[Mains Voltage] (ULN)	Mains Voltage
	10	[DC BUS Voltage] (VBUS)	DC BUS Voltage
	11	[PID feedback] (RPF)	PID Feedback
	12	[AI2 Th Value] (TH2V)	AI2 thermal value
	13	[AI3 Th Value] (TH3V)	AI3 thermal value
	14	[AI4 Th Value] (TH4V)	AI4 thermal value
	15	[AI5 Th Value] (TH5V)	AI5 thermal value
	16	[Drive Thermal State] (THD)	Drive Thermal State
	17	[Motor Thermal State] (THR)	Motor Thermal State
	18	[Installation Flow] (FS1V)	Installation Flow
	19	[Pump Flow] (FS2V)	Pump Flow
	20	[Inlet Pressure] (PS1V)	Inlet Pressure
	21	[Outlet Pressure] (PS2V)	Outlet Pressure
	22	[Energy Consum. Ind.] (ECI)	Energy consumption indicator
	23	[Pump efficiency] (EFY)	Pump efficiency
	24	[Energy Perf. Ind.] (EPI)	Energy Performance Indicator
	25	[Mains Current] (ILN)	Mains Current
	26	[Input Reactive Power] (IQRW)	Input reactive power
	27	[Input Power Factor] (PWF)	Input power factor
	28	[AI1 Th Value] (TH1V)	AI1 thermal value
	29	[DBR Thermal State] (THB)	DBR thermal state
LDEN	0	[Stop] (STOP)	Stop
	1	[Start] (START)	Start
	2	[Always] (ALWAYS)	Always
	3	[Reset] (RESET)	Reset
	4	[Clear] (CLEAR)	Clear
	5	[Error] (ERROR)	Error
LDST	2	[200 ms] (200MS)	200 ms
	10	[1 second] (1S)	1 second
	20	[2 seconds] (2S)	2 seconds
	50	[5 seconds] (5S)	5 seconds
LFT	0	[No Error] (NOF)	No error detected
	2	[EEPROM Control] (EEF1)	EEPROM control
	3	[Incorrect Configuration] (CFF)	Incorrect configuration
	4	[Invalid Configuration] (CFI)	Invalid configuration
	5	[Modbus Com Interruption] (SLF1)	Modbus communication interruption
	6	[Internal Link Error] (ILF)	Internal communication interruption with option module
	7	[Fieldbus Com Interrupt] (CNF)	Fieldbus communication interruption
	8	[External Error] (EPF1)	External detected error
	9	[Overcurrent] (OCF)	Overcurrent
	10	[Precharge Capacitor] (CRF1)	Precharge capacitor
	13	[AI2 4-20mA loss] (LFF2)	AI2 4-20mA loss
	15	[Input Overheating] (IHF)	Input Overheating
	16	[Drive Overheating] (OHF)	Drive overheating
	17	[Motor Overload] (OLF)	Motor overload
	18	[DC Bus Overvoltage] (OBF)	DC bus overvoltage
	19	[Supply Mains Overvoltage] (OSF)	Supply mains overvoltage
	20	[Single output phase loss] (OPF1)	Single output phase loss
	21	[Input phase loss] (PHF)	Input phase loss
	22	[Supply Mains UnderV] (USF)	Supply mains undervoltage
	23	[Motor short circuit] (SCF1)	Motor short circuit
	24	[Motor Overspeed] (SOF)	Motor overspeed
	25	[Autotuning Error] (TNF)	Autotuning detected error
	26	[Internal Error 1] (INF1)	Internal Error 1 (Rating)
	27	[Internal Error 2] (INF2)	Internal Error 2 (Soft)
	28	[Internal Error 3] (INF3)	Internal Error 3 (Intern Comm)
	29	[Internal Error 4] (INF4)	Internal Error 4 (Manufacturing)
	30	[EEPROM Power] (EEF2)	EEPROM power
	32	[Ground Short Circuit] (SCF3)	Ground short circuit
	33	[Output Phase Loss] (OPF2)	Output phase loss
	34	[CANopen Com Interrupt] (COF)	CANopen communication interruption
	37	[Internal Error 7] (INF7)	Internal Error 7 (Init)
	38	[Fieldbus Error] (EPF2)	External error detected by Fieldbus
	40	[Internal Error 8] (INF8)	Internal error 8 (Switching Supply)
	42	[PC Com Interruption] (SLF2)	PC communication interruption
	45	[HMI Com Interruption] (SLF3)	HMI communication interruption
	51	[Internal Error 9] (INF9)	Internal Error 9 (Measure)
	52	[Internal Error 10] (INF10)	Internal Error 10 (Mains)
	53	[Internal Error 11] (INF11)	Internal Error 11 (Temperature)
	54	[IGBT Overheating] (TJF)	IGBT overheating
	55	[IGBT Short Circuit] (SCF4)	IGBT short circuit
	56	[Motor Short Circuit] (SCF5)	Motor short circuit
	58	[Out Contact Closed Error] (FCF1)	Output contactor closed error
	59	[Out Contact Opened Error] (FCF2)	Output contactor opened error
	60	[Internal Error 12] (INFC)	Internal Error 12 (Internal current supply)
	64	[Input Contactor] (LCF)	input contactor
	68	[Internal Error 6] (INF6)	Internal Error 6 (Option)
	69	[Internal Error 14] (INFE)	Internal Error 14 (CPU)
	71	[AI3 4-20mA loss] (LFF3)	AI3 4-20mA loss
	72	[AI4 4-20mA loss] (LFF4)	AI4 4-20mA loss
	73	[Boards Compatibility] (HCF)	Boards compatibility
	77	[Conf Transfer Error] (CFI2)	Configuration transfer error
	79	[AI5 4-20 mA loss] (LFF5)	AI5 4-20 mA loss
	99	[Channel Switch Error] (CSF)	Channel switching detected error
	100	[Process Underload] (ULF)	Process Underload
	101	[Process Overload] (OLC)	Process overload

	105	[Angle error] (ASF)	Angle error
	106	[AI1 4-20 mA loss] (LFF1)	AI1 4-20 mA loss
	107	[Safety Function Error] (SAFF)	Safety function detected error
	110	[AI2 Th Level Error] (TH2F)	AI2 thermal level error
	111	[AI2 Thermal Sensor Error] (T2CF)	Thermal sensor error on AI2
	112	[AI3 Th Level Error] (TH3F)	AI3 thermal level error
	113	[AI3 Thermal Sensor Error] (T3CF)	Thermal sensor error on AI3
	114	[PumpCycle start Error] (PCPF)	Pump Cycle start error
	115	[Out Pressure Low] (OPLF)	Outlet Pressure Low
	116	[High Flow Error] (HFPF)	High Flow error
	117	[Inlet Pressure Error] (IPPF)	Inlet Pressure detected error
	119	[Pump Low Flow Error] (PLFF)	Pump low flow detected error
	120	[AI4 Th Level Error] (TH4F)	AI4 thermal level error
	121	[AI4 Thermal Sensor Error] (T4CF)	Thermal sensor error on AI4
	122	[AI5 Th Level Error] (TH5F)	AI5 thermal level error
	123	[AI5 Thermal Sensor Error] (T5CF)	Thermal sensor error on AI5
	124	[Anti Jam Error] (JAMF)	Anti Jam detected error
	125	[Out Pressure High] (OPHF)	Outlet Pressure High
	126	[Dry Run Error] (DRYF)	Dry run detected error
	127	[PID Feedback Error] (PFMF)	PID Feedback detected error
	128	[Program Loading Error] (PGLF)	Program loading detected error
	129	[Program Running Error] (PGRF)	Program running detected error
	130	[Lead Pump Error] (MPLF)	Lead pump not available
	131	[Low Level Error] (LCLF)	Low Level error
	132	[High Level Error] (LCHF)	High Level error
	142	[Internal Error 16] (INFG)	Internal Error 16 (IO Module - Relay)
	143	[Internal Error 17] (INFH)	Internal Error 17 (IO Module - Standard)
	144	[Internal Error 0] (INF0)	Internal Error 0 (IPC)
	146	[Internal Error 13] (INF3)	Internal Error 13 (Diff Current)
	148	[Motor Stall Error] (STF)	Motor stall detected error
	149	[Internal Error 21] (INFL)	Internal Error 21 (RTC)
	150	[Emb'd Eth Com Interrupt] (ETHF)	Embedded Ethernet communication interruption
	151	[Internal Error 15] (INFF)	Internal Error 15 (Flash)
	152	[Firmware Update Error] (FWER)	Firmware Update Error
	153	[Internal Error 22] (INFM)	Internal Error 22 (Embedded Ethernet)
	154	[Internal Error 25] (INFP)	Internal Error 25 (Incompatibility CB & SW)
	155	[Internal Error 20] (INFK)	Internal Error 20 (option interface PCBA)
	157	[Internal Error 27] (INFR)	Internal Error 27 (Diagnostics CPLD)
	158	[Internal Error 23] (INFN)	Internal Error 23 (Module link)
	159	[AFE ShortCircuit error] (SCF6)	AFE ShortCircuit error
	160	[AFE Bus unbalancing] (OBF2)	AFE Bus unbalancing
	161	[Internal Error 28] (INFS)	Internal Error 28 (AFE)
	162	[MonitorCircuit A Error] (IFA)	Monitoring circuit A error
	163	[MonitorCircuit B Error] (IFB)	Monitoring circuit B error
	164	[MonitorCircuit C Error] (IFC)	Monitoring circuit C error
	165	[MonitorCircuit D Error] (IFD)	Monitoring circuit D error
	166	[CabinetCircuit A Error] (CFA)	Cabinet circuit A error
	167	[CabinetCircuit B Error] (CFB)	Cabinet circuit B error
	168	[CabinetCircuit C Error] (CFC)	Cabinet circuit C error
	169	[MotorWinding A Error] (TFA)	Motor winding A error
	170	[MotorWinding B Error] (TFB)	Motor winding B error
	171	[MotorBearing A Error] (TFC)	Motor bearing A error
	172	[MotorBearing B Error] (TFD)	Motor bearing B error
	173	[Cabinet Overheat Error] (CHF)	Cabinet overheat error
	174	[AFE Mains Undervoltage] (URF)	AFE Mains undervoltage
	175	[Internal Error 31] (IN31)	Internal Error 31 (Missing brick)
	176	[Internal Error 29] (INFT)	Internal Error 29 (Inverter)
	177	[Internal Error 30] (INFU)	Internal Error 30 (Rectifier)
	179	[AFE IGBT over-heat error] (TJF2)	AFE IGBT over-heat error
	180	[AFE contactor feedback error] (CRF3)	AFE contactor feedback error
	181	[Pre-settings Transfer Error] (CFI3)	Pre-settings transfer error
	182	[Circuit Breaker Error] (CBF)	Circuit breaker error
	186	[MultiDrive Link Error] (MDLF)	MultiDrive Link Error
	190	[M/P Device Error] (MPDF)	Multipump device error
	191	[AFE Modulation Rate Error] (ACF1)	AFE modulation rate error
	192	[AFE Current Control Error] (ACF2)	AFE current control error
	193	[Mains Freq Out Of Range] (MFF)	Mains frequency out of range
	200	[FDR 1 Error] (FDR1)	FDR Eth embedded error
	201	[FDR 2 Error] (FDR2)	FDR Eth module error
	203	[Cab I/O 24V Error] (P24C)	Cabinet I/O 24V missing error
	206	[DC Bus Ripple Error] (DCRE)	DC Bus ripple error
	208	[Egy Saving Exit Error] (IDLF)	Idle mode exit error
MDT	0	[Digital] (DEC)	Digital values
	1	[Bar graph] (BAR)	Bar graph
	2	[List] (LIST)	List of values
	3	[Vu Meter] (VUMET)	Vu Meter
MPC	0	[Mot Power] (NPR)	Nominal motor Power
	1	[Mot Cosinus] (COS)	Nominal motor cosinus Phi
MPDT	0	[Slave] (SLAVE)	Slave
	1	[Master] (MAST)	Master
	2	[Master Only] (MAST1)	Master only
	3	[Master or Slave] (MAST2)	Master or Slave
MPLA	0	[No] (NO)	Deactivated
	1	[Standard] (YES)	Standard alternation
	2	[Redundancy] (RED)	Redundancy mode
MPPC	0	[FIFO] (FIFO)	First In First Out
	1	[LIFO] (LIFO)	Last In First Out
	2	[Runtime] (RTIME)	Pump runtime
	3	[Runtime&LIFO] (RTLIF)	Runtime&Last In First Out
MPS	0	[None] (NONE)	None
	1	[Ready] (READY)	Ready
	2	[Running] (RUN)	Running
	3	[Warning] (ALARM)	Warning
	4	[Error] (FAULT)	Error
	5	[Not Available] (NAVL)	Not available
MPSA	0	[Mono-Pump] (NO)	Mono-Pump
	1	[Single Drive] (VNDOL)	Single Drive
	2	[Multi Drives] (NVSD)	Multiple Drives
	3	[Multi Masters] (NVSDR)	Multiple Drives with Master redundancy
MPST	0	[Standard] (TMC)	Standard multipump speed control mode
	1	[Distributed] (DMC)	Distributed multipump speed control mode
	2	[Advanced] (AMC)	Advanced multipump speed control mode

	3	[Synchronized] (SYNC)	Synchronized multipump speed control mode
NCV	0	[Unknown rating] (NO)	Unknown rating
	1	[0.12kW] (U010)	0.10kW - 0.2HP
	2	[0.18kW / 0.25Hp] (U018)	0.18 kW / 0.25 Hp
	3	[0.25kW] (U025)	0.25kW - 0.37HP
	4	[0.37 kW / 0.5 Hp] (U037)	0.37 kW / 0.5 Hp
	5	[0.55 kW / 0.75 Hp] (U055)	0.55 kW / 0.75 Hp
	6	[0.75 kW / 1 Hp] (U075)	0.75 kW / 1 Hp
	7	[5.5kW / 7.5HP] (U090)	5.5kW - 7.5HP
	8	[1.1 kW / 1.5 Hp] (U110)	1.1 kW / 1.5 Hp
	9	[1.5 kW / 2 Hp] (U150)	1.5 kW / 2 Hp
	10	[1.85kW] (U185)	1.85kW - 3HP
	11	[2.2 kW / 3 Hp] (U220)	2.2 kW / 3 Hp
	12	[3 kW / 4HP] (U300)	3 kW / 4HP
	13	[4kW / 5HP] (U370)	3.7kW - 5HP
	14	[4kW / 5HP] (U400)	4kW - 5HP
	15	[5.5 kW / 7.5 Hp] (U550)	5.5 kW / 7.5 Hp
	16	[7.5 kW / 10 Hp] (U750)	7.5 kW / 10 Hp
	17	[9kW] (U900)	9kW - 11HP
	18	[11 kW / 15 Hp] (D110)	11 kW / 15 HP
	19	[15 kW / 20 Hp] (D150)	15 kW / 20 HP
	20	[18.5kW / 25HP] (D185)	18.5kW - 25HP
	21	[22kW / 30HP] (D220)	22kW - 30HP
	22	[30kW / 40HP] (D300)	30kW - 40HP
	23	[37kW / 50HP] (D370)	37kW - 50HP
	24	[45kW / 60HP] (D450)	45kW - 60HP
	25	[55kW / 75HP] (D550)	55kW - 75HP
	26	[75kW / 100HP] (D750)	75kW - 100HP
	27	[90kW / 125HP] (D900)	90kW - 125HP
	28	[110 kW / 150HP] (C110)	110kW - 150HP
	29	[132kW / 200 HP] (C132)	132kW - 200HP
	30	[160kW / 250HP] (C160)	160kW - 250HP
	31	[200kW / 300HP] (C200)	200kW - 300HP
	32	[220kW / 350HP] (C220)	220kW - 350HP
	33	[250kW / 400HP] (C250)	250kW - 400HP
	34	[280kW / 450HP] (C280)	280kW - 450HP
	35	[315kW / 500HP] (C315)	315kW - 500HP
	36	[355 kW / 450HP] (C355)	355kW - 450HP
	37	[400kW / 600HP] (C400)	400kW - 600HP
	38	[450kW / 750HP] (C450)	450kW - 750HP
	39	[500kW / 800HP] (C500)	500kW - 800HP
	40	[560kW / 850HP] (C560)	560kW - 850HP
	41	[630kW / 900HP] (C630)	630kW - 900HP
	42	[710kW / 950HP] (C710)	710kW - 950HP
	43	[800kW / 1000HP] (C800)	800kW - 1000HP
	44	[900kW / 900HP] (C900)	900kW - 900HP
	45	[1000kW / 1000HP] (M100)	1000kW - 1000HP
	46	[1100kW / 1100HP] (M110)	1100kW - 1100HP
	47	[1200kW / 1200HP] (M120)	1200kW - 1200HP
	48	[1300kW / 1300HP] (M130)	1300kW - 1300HP
	49	[1400kW / 1400HP] (M140)	1400kW - 1400HP
	50	[1500kW / 1500HP] (M150)	1500kW - 1500HP
	51	[1600kW / 1600HP] (M160)	1600kW - 1600HP
	52	[1700kW / 1700HP] (M170)	1700kW - 1700HP
	53	[1800kW / 1800HP] (M180)	1800kW - 1800HP
	54	[1900kW / 1900HP] (M190)	1900kW - 1900HP
	55	[2000kW / 2000HP] (M200)	2000kW - 2000HP
	56	[2100kW / 2100HP] (M210)	2100kW - 2100HP
	57	[2200kW / 2200HP] (M220)	2200kW - 2200HP
	58	[2300kW / 2300HP] (M230)	2300kW - 2300HP
59	[2400kW / 2400HP] (M240)	2400kW - 2400HP	
NMTS	0	[Boot] (BOOT)	On boot up
	2	[Stopped] (STOP)	Stopped
	1	[Operation] (OPE)	Operational
	4	[Pre-op] (POPE)	Pre operation
NPL	0	[1] (POS)	1
	1	[0] (NEG)	0
N_Y	0	[No] (NO)	No
	1	[Yes] (YES)	Yes
OPL	0	[Function Inactive] (NO)	Function inactive
	1	[OPF Error Triggered] (YES)	OPF error Triggered
	2	[No Error Triggered] (OAC)	No error triggered
OPPM	0	[No] (NO)	No
	1	[Switch] (SW)	Switch
	2	[Sensor] (SNSR)	Sensor
	3	[Both] (BOTH)	Both
OVMA	0	[Default] (DEFAULT)	Default
	255	[Full] (FULL)	Full
PCM	0	[No] (NO)	Disable pump characteristics
	1	[HQ] (HQ)	Enable Head vs Flow curve
	2	[PQ] (PQ)	Enable Power vs Flow curve
	3	[PHQ] (PHQ)	Enable Head vs Flow and Power vs Flow curves
PCPM	0	[No] (NO)	Pump Cycle monitoring disabled
	1	[Mode 1] (NORM)	Pump Cycle monitoring mode 1
	2	[Mode 2] (RTC)	Pump Cycle monitoring mode 2
PCS	0	[None] (NONE)	None
	1	[Inactive] (NACT)	Inactive
	2	[Active] (ACTIVE)	Active
	3	[Failed] (FAILED)	Failed
PFM	0	[No] (NO)	No
	1	[Feedback] (FBK)	Pipe-Fill on PID Feedback
	2	[Outlet Pressure] (PS2)	Pipe-Fill on Outlet Pressure
PHR	0	[ABC] (ABC)	A - B - C phase rotation
	1	[ACB] (ACB)	A - C - B phase rotation
PKTP	0	[Product] (PRD)	Product package
	1	[Module] (OPT)	Module package
	2	[Spare parts] (SPR)	Spare parts package
	3	[Customized] (CUS)	Customized package
	4	[Indus] (IND)	Indus package
PLFM	0	[No] (NO)	No
	1	[Switch] (SW)	SW
	2	[Flow] (Q)	Q

	3	[Flow vs Speed] (QN)	QN
	5	[No Flow Power] (NF)	NF
PMDT	0	[Parameters List] (NO)	Parameters List
	1	[Operating Time] (HOT)	Operating Time Histogram
	2	[Nb of Starts] (HNS)	Nb of Starts Histogram
	3	[Efficiency] (EFF)	Efficiency Trend view
	4	[Power vs Flow] (CPQ)	Power vs Flow curve
	5	[Head vs Flow] (CHQ)	Head vs Flow curve
	6	[Efficiency vs Flow] (CEQ)	Efficiency vs Flow curve
PNID	0	[None] (NONE)	None
	1	[Pump 1] (P01)	Pump 1
	2	[Pump 2] (P02)	Pump 2
	3	[Pump 3] (P03)	Pump 3
	4	[Pump 4] (P04)	Pump 4
	5	[Pump 5] (P05)	Pump 5
	6	[Pump 6] (P06)	Pump 6
PRFL	0	[Not Configured] (UNCG)	Not configured
	1	[1] (1)	1
	100	[100] (100)	100
	101	[101] (101)	101
	102	[102] (102)	102
	106	[106] (106)	106
	107	[107] (107)	107
PSA	0	[Not Configured] (NO)	Not configured
	1	[AI1] (AI1)	AI1 Analog input
	2	[AI2] (AI2)	AI2 Analog input
	3	[AI3] (AI3)	AI3 Analog input
	4	[AI4] (AI4)	AI4 Analog input
	5	[AI5] (AI5)	AI5 Analog input
	129	[Motor Current] (OCR)	Motor current
	130	[Motor Frequency] (OFR)	Motor frequency
	131	[Ramp out.] (ORP)	Ramp output
	132	[Motor torq.] (TRQ)	Motor torque
	133	[Sign. torque] (STQ)	Signed torque
	134	[sign ramp] (ORS)	Signed ramp
	135	[PID ref.] (OPS)	PID reference
	136	[PID feedbk] (OPF)	PID feedback
	137	[PID error] (OPE)	PID error
	138	[PID output] (OPI)	PID output
	139	[Motor Power] (OPR)	Motor power
	140	[Mot thermal] (THR)	Motor thermal state
	141	[Drv thermal] (THD)	Drive thermal state
	160	[Ref Frequency via DI] (UPDT)	Reference frequency via DI
	163	[Ref.Freq-Rmt.Term] (LCC)	Reference Frequency via remote terminal
	164	[Ref. Freq-Modbus] (MDB)	Reference Frequency via Modbus
	167	[Ref. Freq-CANopen] (CAN)	Reference Frequency via CANopen
	169	[Ref. Freq-Com. Module] (NET)	Reference Frequency via Com Module
	171	[Embedded Ethernet] (ETH)	Embedded Ethernet
	173	[Sig. o/p frq.] (OFS)	Signed output frequency
	180	[Motor volt.] (UOP)	Motor voltage
	183	[AI Virtual 1] (AIV1)	AI Virtual 1
	185	[AI Virtual 2] (AIV2)	AI Virtual 2
	197	[AI Virtual 3] (AIV3)	AI Virtual 3
	186	[DI5 PulseInput Assignment] (PI5)	DI5 PulseInput Assignment
	187	[DI6 PulseInput Assignment] (PI6)	DI6 PulseInput Assignment
	340	[Est. Pump Flow] (SLPF)	Estimated pump flow
	341	[Inlet Pressure Value] (PS1V)	Inlet Pressure Value
342	[Outlet Pressure Value] (PS2V)	Outlet Pressure Value	
343	[Installation Flow] (FS1V)	Installation Flow value	
346	[Est. System Flow] (SLSF)	Estimated pump system flow	
347	[Est. Pump Head] (SLPH)	Estimated pump head	
348	[Est. Pump dP] (SLDP)	Estimated pump delta pressure	
349	[Est. System dP] (SLSd)	Estimated pump system delta pressure	
PSL	0	[Not Assigned] (NO)	Not assigned
	1	[Operating State Fault] (FLT)	Drive in operating state "Fault"
	2	[Drive Running] (RUN)	Drive running
	3	[Output cont] (OCC)	Ouput contactor control
	4	[Mot Freq High Thd] (FTA)	Motor frequency high threshold reached
	5	[High Speed Reached] (FLA)	High speed reached
	6	[Current Thd Reached] (CTA)	Current threshold reached
	7	[Ref Freq Reached] (SRA)	Reference frequency reached
	8	[Motor Therm Thd reached] (TSA)	Motor thermal threshold reached
	10	[PID error Warning] (PEE)	PID error Warning
	11	[PID Feedback Warn] (PFA)	PID feedback Warning
	12	[AI2 4-20 Loss Warning] (AP2)	AI2 4-20 Loss Warning
	13	[Mot Freq High Thd 2] (F2A)	Motor frequency high threshold 2 reached
	14	[Drv Therm Thd reached] (TAD)	Drive thermal threshold reached
	16	[Ref Freq High Thd reached] (RTAH)	Reference frequency high threshold reached
	17	[Ref Freq Low Thd reached] (RTAL)	Reference frequency low threshold reached
	18	[Mot Freq Low Thd] (FTAL)	Motor frequency low threshold reached
	19	[Mot Freq Low Thd 2] (F2AL)	Motor frequency low threshold 2 reached
	20	[Low Current Reached] (CTAL)	Low Current Threshold Reached
	21	[Process Undld Warning] (ULA)	Process underload Warning
	22	[Process Overload Warning] (OLA)	Process Overload Warning
	23	[PID High Fdbck Warn] (PFAH)	PID High Feedback Warning
	24	[PID Low Fdbck Warn] (PFAL)	PID Low Feedback Warning
	25	[Regulation Warning] (PISH)	Regulation Warning
	26	[Forced Run] (ERN)	Forced Run
	28	[High Torque Warning] (TTHA)	High torque Warning
	29	[Low Torque Warning] (TTLA)	Low torque Warning
	30	[Forward] (MFRD)	Run forward
	31	[Reverse] (MRRS)	Run reverse
	34	[Ramp switching] (RP2)	Ramp switching
	42	[HMI cmd] (BMP)	HMI command
	47	[Neg Torque] (ATS)	Negative torque
	48	[Cnfg.0 act.] (CNF0)	Configuration 0 active
	52	[set 1 active] (CFP1)	Parameter set 1 active
	53	[set 2 active] (CFP2)	Parameter set 2 active
	54	[set 3 active] (CFP3)	Parameter set 3 active
	55	[set 4 active] (CFP4)	Parameter set 4 active
64	[DC charged] (DBL)	DC bus charged	
66	[Power Removal State] (PRM)	Power Removal state	

73	[Mains Contactor] (LLC)	Mains contactor control
77	[I present] (MCP)	I present
80	[Warning Grp 1] (AG1)	Warning group 1
81	[Warning Grp 2] (AG2)	Warning group 2
82	[Warning Grp 3] (AG3)	Warning group 3
87	[External Error Warning] (EFA)	External error warning
88	[Undervoltage Warning] (USA)	Undervoltage Warning
89	[Preventive UnderV Active] (UPA)	Preventive undervoltage active
91	[Drive Thermal Warning] (THA)	Drive thermal state Warning
92	[AFE Mains Undervoltage] (URA)	AFE Mains undervoltage
96	[Ref Freq Channel 1] (FR1)	Reference frequency channel 1
97	[Ref Freq Channel 2] (FR2)	Reference frequency channel 2
98	[Cmd Channel 1] (CD1)	Command channel 1
99	[Cmd Channel 2] (CD2)	Command channel 1
100	[ch1B active] (FR1B)	Command ch = ch 1B
104	[IGBT Thermal Warning] (TJA)	IGBT thermal Warning
107	[AI3 4-20 Loss Warning] (AP3)	AI3 4-20 Loss Warning
108	[AI4 4-20 Loss Warn] (AP4)	AI4 4-20 Loss Warning
110	[Flow Limit Active] (FSA)	Flow Limit active
116	[Function key 1] (FN1)	Graphic display Terminal function key 1
117	[Function key 2] (FN2)	Graphic display Terminal function key 2
118	[Function key 3] (FN3)	Graphic display Terminal function key 3
119	[Function key 4] (FN4)	Graphic display Terminal function key 4
123	[AI1 4-20 Loss Warning] (AP1)	AI1 4-20 loss Warning
127	[Ready] (RDY)	Ready
128	[Yes] (YES)	Yes
129	[DI1] (LI1)	Digital Input 1
130	[DI2] (LI2)	Digital Input 2
131	[DI3] (LI3)	Digital Input 3
132	[DI4] (LI4)	Digital Input 4
133	[DI5] (LI5)	Digital Input 5
134	[DI6] (LI6)	Digital Input 6
139	[DI11] (LI11)	Digital Input 11
140	[DI12] (LI12)	Digital Input 12
141	[DI13] (LI13)	Digital Input 13
142	[DI14] (LI14)	Digital Input 14
143	[DI15] (LI15)	Digital Input 15
144	[DI16] (LI16)	Digital Input 16
160	[CD00] (CD00)	Bit 0 digital input ctrl word
161	[CD01] (CD01)	Bit 1 digital input ctrl word
162	[CD02] (CD02)	Bit 2 digital input ctrl word
163	[CD03] (CD03)	Bit 3 digital input ctrl word
164	[CD04] (CD04)	Bit 4 digital input ctrl word
165	[CD05] (CD05)	Bit 5 digital input ctrl word
166	[CD06] (CD06)	Bit 6 digital input ctrl word
167	[CD07] (CD07)	Bit 7 digital input ctrl word
168	[CD08] (CD08)	Bit 8 digital input ctrl word
169	[CD09] (CD09)	Bit 9 digital input ctrl word
170	[CD10] (CD10)	Bit10 digital input ctrl word
171	[CD11] (CD11)	Bit11 digital input ctrl word
172	[CD12] (CD12)	Bit12 digital input ctrl word
173	[CD13] (CD13)	Bit13 digital input ctrl word
174	[CD14] (CD14)	Bit14 digital input ctrl word
175	[CD15] (CD15)	Bit15 digital input ctrl word
176	[C100] (C100)	Bit 0 Modbus ctrl word
177	[C101] (C101)	Bit 1 Modbus ctrl word
178	[C102] (C102)	Bit 2 Modbus ctrl word
179	[C103] (C103)	Bit 3 Modbus ctrl word
180	[C104] (C104)	Bit 4 Modbus ctrl word
181	[C105] (C105)	Bit 5 Modbus ctrl word
182	[C106] (C106)	Bit 6 Modbus ctrl word
183	[C107] (C107)	Bit 7 Modbus ctrl word
184	[C108] (C108)	Bit 8 Modbus ctrl word
185	[C109] (C109)	Bit 9 Modbus ctrl word
186	[C110] (C110)	Bit 10 Modbus ctrl word
187	[C111] (C111)	Bit 11 Modbus ctrl word
188	[C112] (C112)	Bit 12 Modbus ctrl word
189	[C113] (C113)	Bit 13 Modbus ctrl word
190	[C114] (C114)	Bit 14 Modbus ctrl word
191	[C115] (C115)	Bit 15 Modbus ctrl word
192	[C200] (C200)	Bit 0 CANopen ctrl word
193	[C201] (C201)	Bit 1 CANopen ctrl word
194	[C202] (C202)	Bit 2 CANopen ctrl word
195	[C203] (C203)	Bit 3 CANopen ctrl word
196	[C204] (C204)	Bit 4 CANopen ctrl word
197	[C205] (C205)	Bit 5 CANopen ctrl word
198	[C206] (C206)	Bit 6 CANopen ctrl word
199	[C207] (C207)	Bit 7 CANopen ctrl word
200	[C208] (C208)	Bit 8 CANopen ctrl word
201	[C209] (C209)	Bit 9 CANopen ctrl word
202	[C210] (C210)	Bit 10 CANopen ctrl word
203	[C211] (C211)	Bit 11 CANopen ctrl word
204	[C212] (C212)	Bit 12 CANopen ctrl word
205	[C213] (C213)	Bit 13 CANopen ctrl word
206	[C214] (C214)	Bit 14 CANopen ctrl word
207	[C215] (C215)	Bit 15 CANopen ctrl word
208	[C300] (C300)	Bit 0 Com Module ctrl word
209	[C301] (C301)	Bit 1 Com Module ctrl word
210	[C302] (C302)	Bit 2 Com Module ctrl word
211	[C303] (C303)	Bit 3 Com Module ctrl word
212	[C304] (C304)	Bit 4 Com Module ctrl word
213	[C305] (C305)	Bit 5 Com Module ctrl word
214	[C306] (C306)	Bit 6 Com Module ctrl word
215	[C307] (C307)	Bit 7 Com Module ctrl word
216	[C308] (C308)	Bit 8 Com Module ctrl word
217	[C309] (C309)	Bit 9 Com Module ctrl word
218	[C310] (C310)	Bit 10 Com Module ctrl word
219	[C311] (C311)	Bit 11 Com Module ctrl word
220	[C312] (C312)	Bit 12 Com Module ctrl word
221	[C313] (C313)	Bit 13 Com Module ctrl word
222	[C314] (C314)	Bit 14 Com Module ctrl word
223	[C315] (C315)	Bit 15 Com Module ctrl word

240	[C500] (C500)	C500
241	[C501] (C501)	C501
242	[C502] (C502)	C502
243	[C503] (C503)	C503
244	[C504] (C504)	C504
245	[C505] (C505)	C505
246	[C506] (C506)	C506
247	[C507] (C507)	C507
248	[C508] (C508)	C508
249	[C509] (C509)	C509
250	[C510] (C510)	C510
251	[C511] (C511)	C511
252	[C512] (C512)	C512
253	[C513] (C513)	C513
254	[C514] (C514)	C514
255	[C515] (C515)	C515
272	[DI1 (Low level)] (L1L)	Digital input DI1 (low level)
273	[DI2 (Low level)] (L2L)	Digital input DI2 (low level)
274	[DI3 (Low level)] (L3L)	Digital input DI3 (low level)
275	[DI4 (Low level)] (L4L)	Digital input DI4 (low level)
276	[DI5 (Low level)] (L5L)	Digital input DI5 (low level)
277	[DI6 (Low level)] (L6L)	Digital input DI6 (low level)
282	[DI11 (Low level)] (L11L)	Digital input DI11 (low level)
283	[DI12 (Low level)] (L12L)	Digital input DI12 (low level)
284	[DI13 (Low level)] (L13L)	Digital input DI13 (low level)
285	[DI14 (Low level)] (L14L)	Digital input DI14 (low level)
286	[DI15 (Low level)] (L15L)	Digital input DI15 (low level)
287	[DI16 (Low level)] (L16L)	Digital input DI16 (low level)
302	[DI50 (High Level)] (D50H)	Digital Input DI50 (High level)
303	[DI51 (High Level)] (D51H)	Digital Input DI51 (High level)
304	[DI52 (High Level)] (D52H)	Digital Input DI52 (High level)
305	[DI53 (High Level)] (D53H)	Digital Input DI53 (High level)
306	[DI54 (High Level)] (D54H)	Digital Input DI54 (High level)
307	[DI55 (High Level)] (D55H)	Digital Input DI55 (High level)
308	[DI56 (High Level)] (D56H)	Digital Input DI56 (High level)
309	[DI57 (High Level)] (D57H)	Digital Input DI57 (High level)
310	[DI58 (High Level)] (D58H)	Digital Input DI58 (High level)
311	[DI59 (High Level)] (D59H)	Digital Input DI59 (High level)
312	[DI50 (Low level)] (D50L)	Digital input DI50 (low level)
313	[DI51 (Low level)] (D51L)	Digital input DI51 (low level)
314	[DI52 (Low level)] (D52L)	Digital input DI52 (low level)
315	[DI53 (Low level)] (D53L)	Digital input DI53 (low level)
316	[DI54 (Low level)] (D54L)	Digital input DI54 (low level)
317	[DI55 (Low level)] (D55L)	Digital input DI55 (low level)
318	[DI56 (Low level)] (D56L)	Digital input DI56 (low level)
319	[DI57 (Low level)] (D57L)	Digital input DI57 (low level)
320	[DI58 (Low level)] (D58L)	Digital input DI58 (low level)
321	[DI59 (Low level)] (D59L)	Digital input DI59 (low level)
336	[DC Bus Ripple Warn] (DCRW)	DC bus ripple warning
340	[Jockey] (JOKY)	Jockey
341	[Priming] (PRIM)	Priming
342	[Anti-Jam Active] (JAMR)	Anti-Jam active
344	[Pipe Fill] (FILL)	Pipe Fill
345	[Priming Pump Active] (PPON)	Priming Pump active
346	[Dry Run Warning] (DRYA)	Dry run warning
347	[Pump Low Flow] (PLFA)	Pump Low Flow
348	[Proc High Flow Warn] (HFPA)	Process High Flow warning
349	[InPress Warning] (IPPA)	Inlet Pressure Warning
350	[Low OutPres Warning] (OPLA)	Outlet Pressure Low warning
351	[High OutPres Warn] (OPHA)	Outlet Pressure High warning
352	[Pump Cycle Warning] (PCPA)	Pump Cycle warning
353	[Anti-Jam Warning] (JAMA)	Anti-Jam warning
354	[Low Flow Warning] (LFA)	Low Flow Warning
355	[Low Pressure Warn] (LPA)	Low pressure warning
356	[Switch OutPres Warn] (OPSA)	Output Pressure High switch warning
357	[Jockey Pump Active] (JPON)	Jockey Pump Active
358	[Pump 1 Cmd] (MPO1)	Pump 1 command
359	[Pump 2 Cmd] (MPO2)	Pump 2 command
360	[Pump 3 Cmd] (MPO3)	Pump 3 command
361	[Pump 4 Cmd] (MPO4)	Pump 4 command
362	[Pump 5 Cmd] (MPO5)	Pump 5 command
363	[Pump 6 Cmd] (MPO6)	Pump 6 command
364	[MP Capacity Warn] (MPCA)	Multi-Pump available capacity warning
365	[Lead Pump Warn] (MPLA)	Lead pump not available
366	[High Level Warning] (LCHA)	High Level Warning
367	[Low Level Warning] (LCLA)	Low Level Warning
368	[Level Switch Warning] (LCWA)	Level Switch Warning
369	[M/P Device Warn] (MPDA)	Multipump device warning
370	[M/P Master Activated] (MPMA)	Multi-pump master activated
475	[Temp Sens AI2 Warn] (TS2A)	Temperature sensor AI2 warning
476	[Temp Sens AI3 Warn] (TS3A)	Temperature sensor AI3 warning
477	[Temp Sens AI4 Warn] (TS4A)	Temperature sensor AI4 warning
478	[Temp Sens AI5 Warn] (TS5A)	Temperature sensor AI5 warning
484	[Cust Warning 5] (CAS5)	Customer Warning 5
488	[Cabinet Fan Command] (FCC)	Cabinet fan command
489	[CB Start Pulse] (CBEP)	Circuit Breaker start pulse
490	[CB Stop Pulse] (CBDP)	Circuit Breaker stop pulse
491	[Power Cons Warning] (POWD)	Power Consumption Warning
492	[Warning Grp 4] (AG4)	Warning group 4
493	[Warning Grp 5] (AG5)	Warning group 5
494	[Fallback speed] (FRF)	Fallback speed
495	[Speed Maintained] (RLS)	Speed maintained
496	[Per Type of Stop] (STT)	Per type of stop
497	[Life Cycle Warn 1] (LCA1)	Life Cycle Warning 1
498	[Life Cycle Warn 2] (LCA2)	Life Cycle Warning 2
499	[AI2 Th Warning] (TP2A)	AI2 thermal sensor warning
500	[AI3 Th Warning] (TP3A)	AI3 thermal sensor warning
501	[AI4 Th Warning] (TP4A)	AI4 thermal sensor warning
502	[AI5 Th Warning] (TP5A)	AI5 thermal sensor warning
503	[AI5 4-20 Loss Warn] (AP5)	AI5 4-20 Loss Warning
504	[Fan Counter Warning] (FCTA)	Fan Counter Warning
505	[Fan Feedback Warn] (FFDA)	Fan Feedback Warning

	506	[Power High Threshold] (PTHA)	Power High Threshold
	507	[Power Low Threshold] (PTHL)	Power Low Threshold
	508	[Cust Warning 1] (CAS1)	Customer Warning 1
	509	[Cust Warning 2] (CAS2)	Customer Warning 2
	510	[Cust Warning 3] (CAS3)	Customer Warning 3
	511	[Cust Warning 4] (CAS4)	Customer Warning 4
PSLIN	0	[Not Assigned] (NO)	Not assigned
	123	[AI1 4-20 Loss Warning] (AP1)	AI1 4-20 loss Warning
	12	[AI2 4-20 Loss Warning] (AP2)	AI2 4-20 Loss Warning
	107	[AI3 4-20 Loss Warning] (AP3)	AI3 4-20 Loss Warning
	108	[AI4 4-20 Loss Warn] (AP4)	AI4 4-20 Loss Warning
	503	[AI5 4-20 Loss Warn] (AP5)	AI5 4-20 Loss Warning
	1	[Operating State Fault] (FLT)	Drive in operating state "Fault"
	96	[Ref Freq Channel 1] (FR1)	Reference frequency channel 1
	97	[Ref Freq Channel 2] (FR2)	Reference frequency channel 2
	100	[ch1B active] (FR1B)	Command ch = ch 1B
	98	[Cmd Channel 1] (CD1)	Command channel 1
	99	[Cmd Channel 2] (CD2)	Command channel 1
	128	[Yes] (YES)	Yes
	4	[Mot Freq High Thd] (FTA)	Motor frequency high threshold reached
	13	[Mot Freq High Thd 2] (F2A)	Motor frequency high threshold 2 reached
	18	[Mot Freq Low Thd] (FTAL)	Motor frequency low threshold reached
	19	[Mot Freq Low Thd 2] (F2AL)	Motor frequency low threshold 2 reached
	129	[DI1] (LI1)	Digital Input 1
	130	[DI2] (LI2)	Digital Input 2
	131	[DI3] (LI3)	Digital Input 3
	132	[DI4] (LI4)	Digital Input 4
	133	[DI5] (LI5)	Digital Input 5
	134	[DI6] (LI6)	Digital Input 6
	139	[DI11] (LI11)	Digital Input 11
	140	[DI12] (LI12)	Digital Input 12
	141	[DI13] (LI13)	Digital Input 13
	142	[DI14] (LI14)	Digital Input 14
	143	[DI15] (LI15)	Digital Input 15
	144	[DI16] (LI16)	Digital Input 16
	272	[DI1 (Low level)] (L1L)	Digital input DI1 (low level)
	273	[DI2 (Low level)] (L2L)	Digital input DI2 (low level)
	274	[DI3 (Low level)] (L3L)	Digital input DI3 (low level)
	275	[DI4 (Low level)] (L4L)	Digital input DI4 (low level)
	276	[DI5 (Low level)] (L5L)	Digital input DI5 (low level)
	277	[DI6 (Low level)] (L6L)	Digital input DI6 (low level)
	282	[DI11 (Low level)] (L11L)	Digital input DI11 (low level)
	283	[DI12 (Low level)] (L12L)	Digital input DI12 (low level)
	284	[DI13 (Low level)] (L13L)	Digital input DI13 (low level)
	285	[DI14 (Low level)] (L14L)	Digital input DI14 (low level)
	286	[DI15 (Low level)] (L15L)	Digital input DI15 (low level)
	287	[DI16 (Low level)] (L16L)	Digital input DI16 (low level)
	160	[CD00] (CD00)	Bit 0 digital input ctrl word
	161	[CD01] (CD01)	Bit 1 digital input ctrl word
	162	[CD02] (CD02)	Bit 2 digital input ctrl word
	163	[CD03] (CD03)	Bit 3 digital input ctrl word
	164	[CD04] (CD04)	Bit 4 digital input ctrl word
	165	[CD05] (CD05)	Bit 5 digital input ctrl word
	166	[CD06] (CD06)	Bit 6 digital input ctrl word
	167	[CD07] (CD07)	Bit 7 digital input ctrl word
	168	[CD08] (CD08)	Bit 8 digital input ctrl word
169	[CD09] (CD09)	Bit 9 digital input ctrl word	
170	[CD10] (CD10)	Bit10 digital input ctrl word	
171	[CD11] (CD11)	Bit11 digital input ctrl word	
172	[CD12] (CD12)	Bit12 digital input ctrl word	
173	[CD13] (CD13)	Bit13 digital input ctrl word	
174	[CD14] (CD14)	Bit14 digital input ctrl word	
175	[CD15] (CD15)	Bit15 digital input ctrl word	
177	[C101] (C101)	Bit 1 Modbus ctrl word	
178	[C102] (C102)	Bit 2 Modbus ctrl word	
179	[C103] (C103)	Bit 3 Modbus ctrl word	
180	[C104] (C104)	Bit 4 Modbus ctrl word	
181	[C105] (C105)	Bit 5 Modbus ctrl word	
182	[C106] (C106)	Bit 6 Modbus ctrl word	
183	[C107] (C107)	Bit 7 Modbus ctrl word	
184	[C108] (C108)	Bit 8 Modbus ctrl word	
185	[C109] (C109)	Bit 9 Modbus ctrl word	
186	[C110] (C110)	Bit 10 Modbus ctrl word	
187	[C111] (C111)	Bit 11 Modbus ctrl word	
188	[C112] (C112)	Bit 12 Modbus ctrl word	
189	[C113] (C113)	Bit 13 Modbus ctrl word	
190	[C114] (C114)	Bit 14 Modbus ctrl word	
191	[C115] (C115)	Bit 15 Modbus ctrl word	
193	[C201] (C201)	Bit 1 CANOpen ctrl word	
194	[C202] (C202)	Bit 2 CANOpen ctrl word	
195	[C203] (C203)	Bit 3 CANOpen ctrl word	
196	[C204] (C204)	Bit 4 CANOpen ctrl word	
197	[C205] (C205)	Bit 5 CANOpen ctrl word	
198	[C206] (C206)	Bit 6 CANOpen ctrl word	
199	[C207] (C207)	Bit 7 CANOpen ctrl word	
200	[C208] (C208)	Bit 8 CANOpen ctrl word	
201	[C209] (C209)	Bit 9 CANOpen ctrl word	
202	[C210] (C210)	Bit 10 CANOpen ctrl word	
203	[C211] (C211)	Bit 11 CANOpen ctrl word	
204	[C212] (C212)	Bit 12 CANOpen ctrl word	
205	[C213] (C213)	Bit 13 CANOpen ctrl word	
206	[C214] (C214)	Bit 14 CANOpen ctrl word	
207	[C215] (C215)	Bit 15 CANOpen ctrl word	
209	[C301] (C301)	Bit 1 Com Module ctrl word	
210	[C302] (C302)	Bit 2 Com Module ctrl word	
211	[C303] (C303)	Bit 3 Com Module ctrl word	
212	[C304] (C304)	Bit 4 Com Module ctrl word	
213	[C305] (C305)	Bit 5 Com Module ctrl word	
214	[C306] (C306)	Bit 6 Com Module ctrl word	
215	[C307] (C307)	Bit 7 Com Module ctrl word	
216	[C308] (C308)	Bit 8 Com Module ctrl word	
217	[C309] (C309)	Bit 9 Com Module ctrl word	

	218	[C310] (C310)	Bit 10 Com Module ctrl word
	219	[C311] (C311)	Bit 11 Com Module ctrl word
	220	[C312] (C312)	Bit 12 Com Module ctrl word
	221	[C313] (C313)	Bit 13 Com Module ctrl word
	222	[C314] (C314)	Bit 14 Com Module ctrl word
	223	[C315] (C315)	Bit 15 Com Module ctrl word
	241	[C501] (C501)	C501
	242	[C502] (C502)	C502
	243	[C503] (C503)	C503
	244	[C504] (C504)	C504
	245	[C505] (C505)	C505
	246	[C506] (C506)	C506
	247	[C507] (C507)	C507
	248	[C508] (C508)	C508
	249	[C509] (C509)	C509
	250	[C510] (C510)	C510
	251	[C511] (C511)	C511
	252	[C512] (C512)	C512
	253	[C513] (C513)	C513
	254	[C514] (C514)	C514
	255	[C515] (C515)	C515
	302	[DI50 (High Level)] (D50H)	Digital Input DI50 (High level)
	303	[DI51 (High Level)] (D51H)	Digital Input DI51 (High level)
	304	[DI52 (High Level)] (D52H)	Digital Input DI52 (High level)
	305	[DI53 (High Level)] (D53H)	Digital Input DI53 (High level)
	306	[DI54 (High Level)] (D54H)	Digital Input DI54 (High level)
	307	[DI55 (High Level)] (D55H)	Digital Input DI55 (High level)
	308	[DI56 (High Level)] (D56H)	Digital Input DI56 (High level)
	309	[DI57 (High Level)] (D57H)	Digital Input DI57 (High level)
	310	[DI58 (High Level)] (D58H)	Digital Input DI58 (High level)
	311	[DI59 (High Level)] (D59H)	Digital Input DI59 (High level)
	312	[DI50 (Low level)] (D50L)	Digital input DI50 (low level)
	313	[DI51 (Low level)] (D51L)	Digital input DI51 (low level)
	314	[DI52 (Low level)] (D52L)	Digital input DI52 (low level)
	315	[DI53 (Low level)] (D53L)	Digital input DI53 (low level)
	316	[DI54 (Low level)] (D54L)	Digital input DI54 (low level)
	317	[DI55 (Low level)] (D55L)	Digital input DI55 (low level)
	318	[DI56 (Low level)] (D56L)	Digital input DI56 (low level)
	319	[DI57 (Low level)] (D57L)	Digital input DI57 (low level)
	320	[DI58 (Low level)] (D58L)	Digital input DI58 (low level)
	321	[DI59 (Low level)] (D59L)	Digital input DI59 (low level)
PSS	0	[Not locked] (NACT)	Pre-settings not locked
	1	[Locked] (ACT)	Pre-settings locked
PSST	0	[No password defined] (NO)	No password defined
	1	[Password is unlocked] (ULK)	Password is unlocked
	2	[Password is locked] (LOCK)	Password is locked
PST	0	[Stop Key No Priority] (NO)	Stop key no priority
	1	[Stop Key Priority] (YES)	Stop key priority
	2	[Stop Key Priority All] (ALL)	Stop key priority all CMD channels
PVIS	0	[Active] (ACT)	Active parameters
	1	[All] (ALL)	All parameters
PXCT	0	[Undefined] (NONE)	Undefined
	1	[Lead] (LEAD)	Lead pump
	2	[Lead or Auxiliary] (LAF)	Lead or auxiliary fixed speed pump
	3	[Lead or Aux. Variable] (LAV)	Lead or auxiliary variable speed pump
	4	[Auxiliary] (AUXF)	Auxiliary fixed speed pump
	5	[Auxiliary Variable] (AUXV)	Auxiliary variable speed pump
	6	[Error] (ERR)	Error
PXS	0	[None] (NONE)	Not configured
	1	[Not Available] (NAVL)	Not Available
	2	[Ready] (RDY)	Ready
	3	[Running] (RUN)	Running
QSTD	2	[Fast stop then disable voltage] (FST2)	Fast stop then disable voltage
	6	[Fast stop then stay in quick stop state] (FST6)	Fast stop then stay in quick stop state
RDS	0	[Auto] (AUTO)	Auto detected
	1	[10M. full] (10F)	10Mbps full duplex
	2	[10M. half] (10H)	10Mbps half duplex
	3	[100M. full] (100F)	100Mbps full duplex
	4	[100M. half] (100H)	100Mbps half duplex
RPR	0	[No] (NO)	No
	2	[Run Time Reset] (RTH)	Run time reset
	3	[Internal Run Time Reset] (RTHI)	Internal runtime reset
	4	[Power ON Time Reset] (PTH)	Power ON time reset
	7	[Reset Fan Counter] (FTH)	Reset fan counter
	8	[In Power ON Time Reset] (PTHI)	Internal Power ON Time Reset
	9	[Clear GTH] (GTHI)	Clear GTHI
	10	[Clear LTH] (LTHI)	Clear LTHI
	11	[Clear NSM] (NSM)	Clear NSM
	12	[Clear NSMI] (NSMI)	Clear NSMI
	13	[Clear AFE Fan] (FBAT)	Clear AFE fan operation time
	14	[Clear Cabinet Fan] (FCT)	Clear cabinet fan operation time
	20	[Efficiency MAX] (EFYK)	Efficiency MAX
	21	[Efficiency MIN] (EFYJ)	Efficiency MIN
	22	[Flow Rate MAX] (FS1K)	Flow Rate MAX
	23	[Flow Rate MIN] (FS1J)	Flow Rate MIN
	24	[Reset Total Quantity] (FS1C)	Reset total quantity
	30	[Clear BRTH] (BRTH)	Clear BRTH
	31	[Clear BRTI] (BRTI)	Clear BRTI
	32	[Clear AFE Power ON Time] (BPTH)	Clear AFE Power ON Time
	33	[Clear BPTI] (BPTI)	Clear BPTI
	34	[Clear AFE Nb. start] (BNSA)	Clear AFE brick number of start
	35	[Clear BNSI] (BNSI)	Clear BNSI
	36	[Clear AFE Regen Time] (BGTH)	Clear AFE regen time
	37	[Clear BGTI] (BGTI)	Clear BGTI
	38	[Clear BLMI] (BLMI)	Clear BLMI
	39	[Clear BLGI] (BLGI)	Clear BLGI
	64	[Reset all] (ALL)	Reset all counters
RPT	0	[Linear] (LIN)	Linear ramp
	1	[S-Ramp] (S)	S-Ramp
	2	[U-Ramp] (U)	U-Ramp
	3	[Customized] (CUS)	Ramp customized
SCS	0	[No] (NO)	No

	1	[Config 0] (STR0)	Save configuration 0
	2	[Config 1] (STR1)	Save configuration 1
	3	[Config 2] (STR2)	Save configuration 2
	4	[Config 3] (STR3)	Config 3
SFDR	0	[Initialization] (INIT)	Initialization
	1	[Not Active] (IDLE)	Not active
	2	[Operational] (OPE)	Operational
	4	[Ready] (RDY)	Ready
	5	[IP Configuration] (IPC)	IP configuration
	7	[Not Configured] (UNCF)	Not configured
	8	[Reading Configuration] (GET)	Reading configuration
	9	[Writing Configuration] (SET)	Writing Configuration
	10	[Applying Configuration] (APP)	Applying configuration
SFT	1	[SFR type 1] (HF1)	Switch.frequency type 1
	2	[SFR type 2] (HF2)	Switch.frequency type 2
SLPM	0	[No] (NO)	No
	1	[Switch] (SW)	Switch
	2	[Flow] (LF)	Flow
	3	[Speed] (SPD)	Speed
	4	[Power] (PWR)	Power
	5	[Pressure] (HP)	Pressure
	6	[Multiple] (OR)	Multiple
SMOT	0	[No info.] (NO)	No information
	1	[Low salient] (LLS)	Low saliency
	2	[Med salient] (MLS)	Medium saliency
	3	[High salient] (HLS)	High saliency
SOP	6	[6 μs] (6)	6 μs
	8	[8 μs] (8)	8 μs
	10	[10 μs] (10)	10 μs
SSL	0	[Standard] (STD)	Standard
	1	[High Perf] (HPF)	High performance
STOS	0	[Not active] (IDLE)	Not active
	1	[Active] (STO)	Active
	2	[Error] (FLT)	Error
STP	0	[Inactive] (NO)	Inactive
	1	[Maintain DC Bus] (MMS)	Maintain DC Bus
	2	[Ramp Stop] (RMP)	Ramp Stop
	4	[Freewheel Stop] (LNF)	Locked in freewheel stop without error
STR	0	[No Save] (NO)	No save
	1	[Save to RAM] (RAM)	Save to RAM
	2	[Save to EEPROM] (EEP)	Save to EEPROM
STT	0	[On Ramp] (RMP)	On ramp
	1	[Fast stop] (FST)	Fast stop
	2	[Freewheel Stop] (NST)	Freewheel stop
	3	[DC injection] (DCI)	DC injection
STUN	0	[Default] (TAB)	Default
	1	[Measure] (MEAS)	Measure
	2	[Custom] (CUS)	Custom
SUCU	0	[Euro] (EURO)	Euro
	1	[\$] (DOLLAR)	\$
	2	[£] (POUND)	£
	3	[Krone] (KR)	Krone
	4	[Renminbi] (RMB)	Renminbi
	5	[Other] (OTHER)	Other
SUFR	0	[1 L/s] (1LS)	1 L/s
	1	[0.1 l/s] (01LS)	0.1 l/s
	2	[1 L/mn] (1LM)	1 L/mn
	3	[1 L/h] (1LH)	1 L/h
	4	[1 dm3/mn] (1DM3M)	1 dm3/mn
	5	[1 m3/s] (1M3S)	1 m3/s
	6	[0.1 m3/s] (01M3S)	0.1 m3/s
	7	[1 m3/mn] (1M3MN)	1 m3/mn
	8	[0.1 m3/mn] (01M3MN)	0.1 m3/mn
	9	[1 m3/h] (1M3H)	1 m3/h
	10	[0.1 m3/h] (01M3H)	0.1 m3/h
	11	[1 gal/s] (1GPS)	1 gal/s
	12	[1 GPM] (1GPM)	1 GPM
	13	[1 gal/h] (1GPH)	1 gal/h
	14	[1 ft3/s] (1CFS)	1 ft3/s
	15	[1 CFM] (1CFM)	1 CFM
	16	[1 SCFM] (1SCFM)	1 SCFM
	17	[1 ft3/h] (1CFH)	1 ft3/h
	18	[1 Kg/s] (1KGS)	1 Kg/s
	19	[1 Kg/mn] (1KGM)	1 Kg/mn
	20	[1 Kg/h] (1KGH)	1 Kg/h
	21	[1 Lb/s] (1LBS)	1 Lb/s
	22	[1 Lb/mn] (1LBM)	1 Lb/mn
	23	[1 Lb/h] (1LBH)	1 Lb/h
	24	[0.1 %] (01PC)	0.1 %
	25	[0.1] (01WO)	0.1
SUPR	0	[1 Kpa] (1KPA)	1 Kpa
	1	[1 mbar] (1MBAR)	1 mbar
	2	[1 Bar] (1BAR)	1 Bar
	3	[0.1 Bar] (01BAR)	0.1 Bar
	4	[0.01 Bar] (001BAR)	0.01 Bar
	5	[1 Psi] (1PSI)	1 Psi
	6	[0.1 Psi] (01PSI)	0.1 Psi
	7	[1 Psig] (1PSIG)	1 Psig
	8	[0.1 Psig] (01PSIG)	0.1 Psig
	9	[1 inH2O] (1INH2O)	1 inH2O
	10	[1 inWg] (1INWG)	1 inWg
	11	[1 inWC] (1INWC)	1 inWC
	12	[1 ftWg] (1FTWG)	1 ftWg
	13	[1 ftWc] (1FTWC)	1 ftWc
	14	[1 ft] (1FT)	1 ft
	15	[1 mWg] (1MWG)	1 mWg
	16	[0.1 mWg] (01MWG)	0.1 mWg
	17	[1 mWC] (1MWC)	1 mWC
	18	[0.1 mWc] (01MWC)	0.1 mWc
	19	[1 m] (1M)	1 m
	20	[0.1 m] (01M)	0.1 m
	21	[1 inHg] (1INHG)	1 inHg

	22	[0.1 %] (01PC)	0.1 %
	23	[0.1] (01WO)	0.1
SUTP	0	[0.1°C] (01C)	0.1°C
	1	[0.1°F] (01F)	0.1°F
	2	[0.1 %] (01PC)	0.1 %
	3	[0.1] (01WO)	0.1
TBR	4	[Automatic] (AUTO)	Automatic
	8	[300 bps] (300)	300 bps
	12	[600 bps] (600)	600 bps
	16	[1.2 Kbps] (1200)	1.2 Kbps
	20	[2.4 Kbps] (2400)	2.4 Kbps
	24	[4800 bps] (4800)	4800 bps
	28	[9600 bps] (9600)	9600 bps
	30	[10 Kbps] (10000)	10 Kbps
	32	[19200 bps] (19200)	19200 bps
	34	[20 Kbps] (20000)	20 Kbps
	35	[28.8 Kbps] (28800)	28.8 Kbps
	36	[38.4 Kbps] (38400)	38.4 Kbps
	37	[45.45 Kbps] (45450)	45.45 Kbps
	38	[50 Kbps] (50000)	50 Kbps
	40	[57.6 Kbps] (57600)	57.6 Kbps
	41	[76.8 Kbps] (76800)	
	42	[93.75 Kbps] (93750)	93.75 Kbps
	44	[100 Kbps] (100K)	100 Kbps
	48	[115.2 Kbps] (115K2)	115.2 Kbps
	52	[125 Kbps] (125K)	125 Kbps
	53	[156 Kbps] (156K)	156 Kbps
	54	[187.5 Kbps] (187K5)	187.5 Kbps
	56	[230.4 Kbps] (230K4)	230.4 Kbps
	60	[250 Kbps] (250K)	250 Kbps
	64	[460.8 Kbps] (460K8)	460.8 Kbps
	68	[500 Kbps] (500K)	500 Kbps
	69	[625 Kbps] (625K)	625 Kbps
	70	[800 Kbps] (800K)	800 Kbps
	72	[921.6 Kbps] (921K6)	921.6 Kbps
	76	[1 Mbps] (1M)	1 Mbps
	80	[1.5 Mbps] (1M5)	1.5 Mbps
	81	[2.5 Mbps] (2M5)	2.5 Mbps
	82	[3 Mbps] (3M)	3 Mbps
	83	[6 Mbps] (6M)	6 Mbps
	84	[10 Mbps] (10M)	10 Mbps
	86	[5 Mbps] (5M)	5 Mbps
	88	[12 Mbps] (12M)	12 Mbps
	92	[100 Mbps] (100M)	100 Mbps
TCC	0	[2-Wire Control] (2C)	2-wire control
	1	[3-Wire Control] (3C)	3-wire control
TCT	0	[Level] (LEL)	Level
	1	[Transition] (TRN)	Transition
	2	[Level With Fwd Priority] (PFO)	Level with Forward priority
THT	0	[No] (NO)	No thermal monitoring
	1	[Self cooled] (ACL)	Self cooled motor
	2	[Force-cool] (FCL)	Force cooled motor
TOCT	0	[NA] (NA)	NA
	1	[PRESSURE] (PRESS)	PRESSURE
	2	[FLOW] (FLOW)	FLOW
	3	[OTHER] (OTHER)	OTHER
TUNT	2	[Standard] (STD)	Standard
	3	[Rotation] (ROT)	Rotation
TUNU	0	[No] (NO)	No
	1	[Therm mot] (TM)	Use the motor thermal evolution
TWO	0	[OFF] (LOW)	Modbus Word Order OFF
	1	[ON] (HIGH)	Modbus Word Order ON
ULR	0	[Permitted] (ULR0)	Upload access allowed
	1	[Not allowed] (ULR1)	Upload access not allow
URES	20	[200 Vac] (200)	200 Vac
	22	[220 Vac] (220)	220 Vac
	23	[230 Vac] (230)	230 Vac
	24	[240 Vac] (240)	240 Vac
	38	[380 Vac] (380)	380 Vac
	40	[400 Vac] (400)	400 Vac
	44	[440 Vac] (440)	440 Vac
	46	[460 Vac] (460)	460 Vac
	48	[480 Vac] (480)	480 Vac
	50	[500Vac] (500)	500Vac
	52	[525 Vac] (525)	525 Vac
	57	[575 Vac] (575)	575 Vac
	60	[600 Vac] (600)	600 Vac
	69	[690 Vac] (690)	690 Vac
USB	0	[Error Triggered] (0)	Error triggered
	1	[Error Triggered w/o Relay] (1)	Error triggered w/o relay
	2	[Warning Triggered] (2)	Warning Triggered
VCAL	0	[Unknown Voltage] (NO)	Unkown voltage
	1	[100-120(1)] (110M)	100-120 V single phase
	2	[100-120(3)] (110T)	100-120 V three phase
	3	[200-240 V single] (220M)	200-240 V single
	4	[200-240 V Three] (220T)	200-240 V three phase
	5	[380-500(1)] (480M)	380-500 V single phase
	6	[380-500 V Three] (480T)	380-500 V three phase
	7	[500-690(1)] (690M)	500-690 V single phase
	8	[500-690 V Three] (690T)	500-690 V three phase
	9	[600(1)] (600M)	600 V single phase
	10	[600 V Three] (600T)	600 V three phase
WUPM	0	[Feedback] (FBK)	Feedback
	1	[Error] (ERR)	Error
	2	[Pressure] (LP)	Pressure