

| Code | Name  | Logic address  | Units                       | Factory setting   | Range                       | Display | Menu                      | Order |
|------|---|--|-----------------------------|-------------------|-----------------------------|---------|---------------------------|-------|
| CMD  | Control word  | 16#2199 = 8601 (speed)<br>16#2135 = 8501 (frequency) | -                           | -                 | -                           | -       | -                         | 1     |
| CMI  | Extended control word                                 | 16#2138 = 08504                                      | -                           | -                 | -                           | -       | -                         | 2     |
| RPR  | Reset counters command                                | 16#0C30 = 03120                                      | -                           | "NO"              | -                           | (rPr)   | (FLt-)                    | 3     |
| LFRD | Speed setpoint  | 16#219A = 08602                                      | 1 rpm                       | 0                 | -32767 rpm ... 32767 rpm    | -       | -                         | 4     |
| LFR  | Frequency setpoint                                    | 16#2136 = 08502                                      | 0.1 Hz                      | 0                 | -3276.7 Hz ... 3276.7 Hz    | (LFr)   | (rEF-)<br>(MON-)<br>(CL-) | 5     |
| PISP | PID regulator setpoint                                | 16#2137 = 08503                                      | 0.1 %                       | 0                 | 0 % ... 100 %               | -       | -                         | 6     |
| AIV1 | Analog input virtual                                  | 16#14A1 = 05281                                      | 0.1 %                       | 0                 | 0 % ... 100 %               | (AIU1)  | (rEF-)<br>(MON-)<br>(CL-) | 7     |
| ETA  | Status word   | 16#219B = 8603 (speed)<br>16#0C81 = 3201 (frequency) | -                           | -                 | -                           | -       | -                         | 8     |
| HMIS | Product status  | 16#0CA8 = 03240                                      | -                           | "TUN"             | -                           | -       | -                         | 9     |
| ETI  | Extended status word                                  | 16#0C86 = 03206                                      | -                           | -                 | -                           | -       | -                         | 10    |
| CRC  | Active reference channel                              | 16#20F9 = 08441                                      | -                           | -                 | -                           | -       | -                         | 11    |
| CCC  | Active command channel                                | 16#20FA = 08442                                      | -                           | -                 | -                           | -       | -                         | 12    |
| RFRD | Output velocity                                       | 16#219C = 08604                                      | 1 rpm                       | 0                 | -32767 rpm ... 32767 rpm    | -       | -                         | 13    |
| RFR  | Estimated motor frequency (signed value)              | 16#0C82 = 03202                                      | 0.1 Hz                      | 0                 | -500 Hz ... 500 Hz          | (rFr)   | (MON-)                    | 14    |
| LCR  | Estimated motor current                               | 16#0C84 = 03204                                      | 0.1 A                       | 0                 | 0 A ... 6553.5 A            | (LCr)   | (MON-)                    | 15    |
| OPR  | Output power monitoring (100% = nominal motor power)  | 16#0C8B = 03211                                      | 1 %                         | 0                 | -32767 % ... 32767 %        | (OPr)   | (MON-)                    | 16    |
| FRH  | Frequency reference before ramp                       | 16#0C83 = 03203                                      | 0.1 Hz                      | 0                 | -3276.7 Hz ... 3276.7 Hz    | (FrH)   | (rEF-)<br>(MON-)          | 17    |
| RPC  | PID reference after ramp                              | 16#2ECE = 11982                                      | 0.1 %                       | 0                 | 0 % ... 6553.5 %            | (rPC)   | (rEF-)<br>(MON-)          | 18    |
| RPF  | PID regulator feedback reference                      | 16#2ECD = 11981                                      | 0.1 %                       | 0                 | 0 % ... 6553.5 %            | (rPF)   | (MON-)                    | 19    |
| RPE  | PID regulator discrepancy                             | 16#2ECC = 11980                                      | 0.1 %                       | 0                 | -3276.7 % ... 3276.7 %      | (rPE)   | (MON-)                    | 20    |
| ULN  | Main voltage (from DC bus)                            | 16#0C87 = 03207                                      | 1 V                         | 0                 | 0 V ... 65535 V             | (ULn)   | (MON-)                    | 21    |
| THD  | Drive thermal state                                   | 16#0C89 = 03209                                      | 1 %                         | 0                 | 0 % ... 200 %               | (tHd)   | (MON-)                    | 22    |
| THR  | Motor thermal state                                   | 16#259E = 09630                                      | 1 %                         | 0                 | 0 % ... 200 %               | (tHr)   | (MON-)                    | 23    |
| PTH  | Total drive operating time                            | 16#0CA1 = 03233                                      | 0.01 h                      | 0                 | 0 h ... 655.35 h            | (PTH)   | (MAI-)                    | 24    |
| TAC  | IGBT alarm time                                       | 16#0CA3 = 03235                                      | 1 s                         | 0                 | 0 s ... 65535 s             | -       | -                         | 25    |
| TAC2 | Time at the minimum frequency                         | 16#0CAA = 03242                                      | 1 s                         | 0                 | 0 s ... 65535 s             | -       | -                         | 26    |
| FTO  | Overload fault duration                               | 16#3857 = 14423                                      | 1 min                       | 0                 | 0 min ... 6 min             | (FtO)   | (L_O-)<br>(PMP-)          | 27    |
| NPL  | Logic input type                                      | 16#1003 = 04099                                      | -                           | "POS"             | -                           | (nPL)   | (L_O-)                    | 28    |
| IL1I | Logic inputs state                                    | 16#1451 = 05201                                      | -                           | -                 | -                           | -       | -                         | 29    |
| OL1R | Logic outputs state                                   | 16#145C = 05212                                      | -                           | -                 | -                           | -       | -                         | 30    |
| AI1I | Analog input state                                    | 16#1466 = 05222                                      | 1                           | 0                 | -32767 ... 32767            | -       | -                         | 31    |
| A1IC | Analog input 1 physical value                         | 16#147A = 05242                                      | Refer to programming manual | 0                 | Refer to programming manual | -       | -                         | 32    |
| A1IR | Analog input 1 standardized value                     | 16#1470 = 05232                                      | 1                           | 0                 | -32767 ... 32767            | -       | -                         | 33    |
| AO1C | Analog output 1 physical value                        | 16#1497 = 05271                                      | Refer to programming manual | 0                 | Refer to programming manual | -       | -                         | 34    |
| AO1R | Analog output 1 standardized value                    | 16#148D = 05261                                      | 1                           | 0                 | -32767 ... 32767            | -       | -                         | 35    |
| LFT  | Altivar fault code                                    | 16#1BD1 = 07121                                      | -                           | "NOF"             | -                           | -       | -                         | 36    |
| CIC  | Incorrect configuration                               | 16#1BDA = 07130                                      | -                           | -                 | -                           | -       | -                         | 37    |
| DP0  | Fault code on last fault                              | 16#1C20 = 07200                                      | -                           | "NOF"             | -                           | -       | -                         | 38    |
| EP0  | Status word on last fault                             | 16#1C2A = 07210                                      | -                           | -                 | -                           | -       | -                         | 39    |
| DP1  | Fault code on fault n-1                               | 16#1C21 = 07201                                      | -                           | "NOF"             | -                           | (dP1)   | (MAI-)                    | 40    |
| ULP1 | Supply voltage on fault n-1                           | 16#1C67 = 07271                                      | 1 V                         | 0                 | 0 V ... 65535 V             | -       | -                         | 41    |
| LCP1 | Motor current on fault n-1                            | 16#1C49 = 07241                                      | 0.1 A                       | 0                 | -3276.7 A ... 3276.7 A      | -       | -                         | 42    |
| RFP1 | Output frequency on fault n-1                         | 16#1C53 = 07251                                      | 0.1 Hz                      | 0                 | -3276.7 Hz ... 3276.7 Hz    | -       | -                         | 43    |
| EP1  | Status word on fault n-1                              | 16#1C2B = 07211                                      | -                           | -                 | -                           | (EP1)   | (MAI-)                    | 44    |
| RTP1 | Motor operating time on fault n-1                     | 16#1C5D = 07261                                      | 1 h                         | 0                 | 0 h ... 65535 h             | -       | -                         | 45    |
| OTP1 | Estimated Motor torque value at fault 1               | 16#1CA3 = 07331                                      | 1 %                         | 0                 | -32767 % ... 32767 %        | -       | -                         | 46    |
| TDP1 | Measured drive thermal state at fault 1               | 16#1CAD = 07341                                      | 1 %                         | 0                 | 0 % ... 255 %               | -       | -                         | 47    |
| TJP1 | Estimated power component temperature (Tj) at fault 1 | 16#1CB7 = 07351                                      | 1 °C                        | 0                 | 0 °C ... 255 °C             | -       | -                         | 48    |
| SFP1 | Actual motor switching frequency at fault 1           | 16#1CC1 = 07361                                      | 1 Hz                        | 0                 | 0 Hz ... 65535 Hz           | -       | -                         | 49    |
| DP2  | Fault code on fault n-2                               | 16#1C22 = 07202                                      | -                           | "NOF"             | -                           | (dP2)   | (MAI-)                    | 50    |
| ULP2 | Supply voltage on fault n-2                           | 16#1C68 = 07272                                      | 1 V                         | 0                 | 0 V ... 65535 V             | -       | -                         | 51    |
| LCP2 | Motor current on fault n-2                            | 16#1C4A = 07242                                      | 0.1 A                       | 0                 | -3276.7 A ... 3276.7 A      | -       | -                         | 52    |
| RFP2 | Output frequency on fault n-2                         | 16#1C54 = 07252                                      | 0.1 Hz                      | 0                 | -3276.7 Hz ... 3276.7 Hz    | -       | -                         | 53    |
| EP2  | Status word on fault n-2                              | 16#1C2C = 07212                                      | -                           | -                 | -                           | (EP2)   | (MAI-)                    | 54    |
| RTP2 | Motor operating time on fault n-2                     | 16#1C5E = 07262                                      | 1 h                         | 0                 | 0 h ... 65535 h             | -       | -                         | 55    |
| OTP2 | Estimated Motor torque value at fault 2               | 16#1CA4 = 07332                                      | 1 %                         | 0                 | -32767 % ... 32767 %        | -       | -                         | 56    |
| TDP2 | Measured drive thermal state at fault 2               | 16#1CAE = 07342                                      | 1 %                         | 0                 | 0 % ... 255 %               | -       | -                         | 57    |
| TJP2 | Estimated power component temperature (Tj) at fault 2 | 16#1CB8 = 07352                                      | 1 °C                        | 0                 | 0 °C ... 255 °C             | -       | -                         | 58    |
| SFP2 | Actual motor switching frequency at fault 2           | 16#1CC2 = 07362                                      | 1 Hz                        | 0                 | 0 Hz ... 65535 Hz           | -       | -                         | 59    |
| DP3  | Fault code on fault n-3                               | 16#1C23 = 07203                                      | -                           | "NOF"             | -                           | (dP3)   | (MAI-)                    | 60    |
| ULP3 | Supply voltage on fault n-3                           | 16#1C69 = 07273                                      | 1 V                         | 0                 | 0 V ... 65535 V             | -       | -                         | 61    |
| LCP3 | Motor current on fault n-3                            | 16#1C4B = 07243                                      | 0.1 A                       | 0                 | -3276.7 A ... 3276.7 A      | -       | -                         | 62    |
| RFP3 | Output frequency on fault n-3                         | 16#1C55 = 07253                                      | 0.1 Hz                      | 0                 | -3276.7 Hz ... 3276.7 Hz    | -       | -                         | 63    |
| EP3  | Status word on fault n-3                              | 16#1C2D = 07213                                      | -                           | -                 | -                           | (EP3)   | (MAI-)                    | 64    |
| RTP3 | Motor operating time on fault n-3                     | 16#1C5F = 07263                                      | 1 h                         | 0                 | 0 h ... 65535 h             | -       | -                         | 65    |
| OTP3 | Estimated Motor torque value at fault 3               | 16#1CA5 = 07333                                      | 1 %                         | 0                 | -32767 % ... 32767 %        | -       | -                         | 66    |
| TDP3 | Measured drive thermal state at fault 3               | 16#1CAF = 07343                                      | 1 %                         | 0                 | 0 % ... 255 %               | -       | -                         | 67    |
| TJP3 | Estimated power component temperature (Tj) at fault 3 | 16#1CB9 = 07353                                      | 1 °C                        | 0                 | 0 °C ... 255 °C             | -       | -                         | 68    |
| SFP3 | Actual motor switching frequency at fault 3           | 16#1CC3 = 07363                                      | 1 Hz                        | 0                 | 0 Hz ... 65535 Hz           | -       | -                         | 69    |
| DP4  | Fault code on fault n-4                               | 16#1C24 = 07204                                      | -                           | "NOF"             | -                           | (dP4)   | (MAI-)                    | 70    |
| ULP4 | Supply voltage on fault n-4                           | 16#1C6A = 07274                                      | 1 V                         | 0                 | 0 V ... 65535 V             | -       | -                         | 71    |
| LCP4 | Motor current on fault n-4                            | 16#1C4C = 07244                                      | 0.1 A                       | 0                 | -3276.7 A ... 3276.7 A      | -       | -                         | 72    |
| RFP4 | Output frequency on fault n-4                         | 16#1C56 = 07254                                      | 0.1 Hz                      | 0                 | -3276.7 Hz ... 3276.7 Hz    | -       | -                         | 73    |
| EP4  | Status word on fault n-4                              | 16#1C2E = 07214                                      | -                           | -                 | -                           | (EP4)   | (MAI-)                    | 74    |
| RTP4 | Motor operating time on fault n-4                     | 16#1C60 = 07264                                      | 1 h                         | 0                 | 0 h ... 65535 h             | -       | -                         | 75    |
| OTP4 | Estimated Motor torque value at fault 4               | 16#1CA6 = 07334                                      | 1 %                         | 0                 | -32767 % ... 32767 %        | -       | -                         | 76    |
| TDP4 | Measured drive thermal state at fault 4               | 16#1CB0 = 07344                                      | 1 %                         | 0                 | 0 % ... 255 %               | -       | -                         | 77    |
| TJP4 | Estimated power component temperature (Tj) at fault 4 | 16#1CBA = 07354                                      | 1 °C                        | 0                 | 0 °C ... 255 °C             | -       | -                         | 78    |
| SFP4 | Actual motor switching frequency at fault 4           | 16#1CC4 = 07364                                      | 1 Hz                        | 0                 | 0 Hz ... 65535 Hz           | -       | -                         | 79    |
| NCV  | Drive nominal rating                                  | 16#0BC3 = 03011                                      | -                           | "NO"              | -                           | (nCU)   | (MAI-)                    | 80    |
| VCAL | Drive line voltage                                    | 16#0BC4 = 03012                                      | -                           | "NO"              | -                           | (UCAL)  | (MAI-)                    | 81    |
| INV  | Nominal drive current                                 | 16#0BC9 = 03017                                      | 0.1 A                       | Depends of rating | 0 A ... 6553.5 A            | -       | -                         | 82    |
| VDP  | Drive software version                                | 16#0CE6 = 03302                                      | 1                           | 0                 | 0 ... 65535                 | -       | -                         | 83    |
| SPN  | Specific product number                               | 16#0CE5 = 03301                                      | 1                           | 0                 | 0 ... 65535                 | (SPn)   | (MAI-)                    | 84    |
| NC1  | Communication scanner, value of write word 1          | 16#31D9 = 12761                                      | 1                           | 0                 | 0 ... 65535                 | (nC1)   | (OSA-)                    | 85    |
| NC2  | Communication scanner, value of write word 2          | 16#31DA = 12762                                      | 1                           | 0                 | 0 ... 65535                 | (nC2)   | (OSA-)                    | 86    |
| NC3  | Communication scanner, value of write word 3          | 16#31DB = 12763                                      | 1                           | 0                 | 0 ... 65535                 | (nC3)   | (OSA-)                    | 87    |
| NC4  | Communication scanner, value of write word 4          | 16#31DC = 12764                                      | 1                           | 0                 | 0 ... 65535                 | (nC4)   | (OSA-)                    | 88    |
| NM1  | Communication scanner, value of read word 1           | 16#31C5 = 12741                                      | 1                           | 0                 | 0 ... 65535                 | (nM1)   | (ISA-)                    | 89    |
| NM2  | Communication scanner, value of read word 2           | 16#31C6 = 12742                                      | 1                           | 0                 | 0 ... 65535                 | (nM2)   | (ISA-)                    | 90    |
| NM3  | Communication scanner, value of read word 3           | 16#31C7 = 12743                                      | 1                           | 0                 | 0 ... 65535                 | (nM3)   | (ISA-)                    | 91    |

| Code | Name  | Logic address   | Units                       | Factory setting             | Range                       | Display | Menu             | Order |
|------|---|-----------------|-----------------------------|-----------------------------|-----------------------------|---------|------------------|-------|
| NM4  | Communication scanner, value of read word 4           | 16#31C8 = 12744 | 1                           | 0                           | 0 ... 65535                 | (nM4)   | (ISA-)           | 92    |
| SCS  | Save configuration                                    | 16#1F41 = 08001 | -                           | "NO"                        | -                           | (SCS)   | (COF-)           | 93    |
| FCS  | Restore configuration                                 | 16#1F42 = 08002 | -                           | "NO"                        | -                           | (FCS)   | (COF-)           | 94    |
| CFG  | Macro configuration                                   | 16#0BEC = 03052 | -                           | "STS"                       | -                           | (CFG)   | (FULL-)          | 95    |
| LSP  | Low speed   | 16#0C21 = 03105 | 0.1 Hz                      | 0                           | 0 Hz ... 400 Hz             | (LSP)   | (SP-)            | 96    |
| HSP  | High speed  | 16#0C20 = 03104 | 0.1 Hz                      | Refer to programming manual | 0 Hz ... 400 Hz             | (HSP)   | (SP-)            | 97    |
| ITH  | Motor thermal current                                 | 16#2596 = 09622 | 0.1 A                       | NCR                         | 0 A ... 6553.5 A            | (tH)    | (tH-)            | 98    |
| SFC  | Speed filter coefficient (0(IP) to 1(PI))             | 16#2391 = 09105 | 1                           | Refer to programming manual | 0 ... 100                   | (SFC)   | (drC-)           | 99    |
| CTD  | Motor current threshold                               | 16#2AF9 = 11001 | 0.1 A                       | INV                         | 0 A ... 6553.5 A            | (Ctd)   | (I_O)            | 100   |
| FTD  | Motor frequency threshold                             | 16#2AFB = 11003 | 0.1 Hz                      | Refer to programming manual | 0 Hz ... 400 Hz             | (Ftd)   | (I_O)            | 101   |
| BFR  | Basic frequency                                       | 16#0BC7 = 03015 | -                           | "50"                        | -                           | (bFr)   | (drC-)           | 102   |
| NPR  | Nominal Motor Power                                   | 16#258D = 09613 | Refer to programming manual | Depends of rating           | Refer to programming manual | (nPr)   | (drC-)           | 103   |
| UNS  | Nominal motor voltage                                 | 16#2581 = 09601 | 1 V                         | 230                         | 100 V ... 480 V             | (UnS)   | (drC-)           | 104   |
| NCR  | Nominal motor current                                 | 16#2583 = 09603 | 0.1 A                       | Depends of rating           | 0 A ... 6553.5 A            | (nCr)   | (drC-)           | 105   |
| FRS  | Nominal motor frequency                               | 16#2582 = 09602 | 0.1 Hz                      | Refer to programming manual | 10 Hz ... 400 Hz            | (FRS)   | (drC-)           | 106   |
| NSP  | Nominal motor speed                                   | 16#2584 = 09604 | 1 rpm                       | Depends of rating           | 0 rpm ... 24000 rpm         | (nSP)   | (drC-)           | 107   |
| COS  | Rated motor cos Phi                                   | 16#2586 = 09606 | 0.01                        | Depends of rating           | 0.5 ... 1                   | (COS)   | (drC-)           | 108   |
| MTM  | Motor thermal state memo                              | 16#2590 = 09616 | -                           | "NO"                        | -                           | (MtM)   | (tH-)            | 109   |
| STUN | Autotune selection store                              | 16#2591 = 09617 | -                           | "Ab"                        | -                           | -       | -                | 110   |
| FLG  | Frequency loop gain                                   | 16#2594 = 09620 | 1 %                         | 20                          | 0 % ... 100 %               | (FLG)   | (drC-)           | 111   |
| STA  | Frequency loop stability                              | 16#2595 = 09621 | 1 %                         | 20                          | 0 % ... 100 %               | (STA)   | (drC-)           | 112   |
| TFR  | Top frequency   | 16#0C1F = 03103 | 0.1 Hz                      | Refer to programming manual | 10 Hz ... 400 Hz            | (tFr)   | (drC-)           | 113   |
| TUN  | Auto-tuning   | 16#2588 = 09608 | -                           | "NO"                        | -                           | (tUn)   | (drC-)           | 114   |
| CTT  | Motor control type assignment                         | 16#2587 = 09607 | -                           | Refer to programming manual | -                           | (Ctt)   | (drC-)           | 115   |
| UFR  | IR compensation                                       | 16#2597 = 09623 | 1 %                         | 100                         | 25 % ... 200 %              | (UFR)   | (drC-)           | 116   |
| PFL  | Flux profile  | 16#2598 = 09624 | 1 %                         | 20                          | 0 % ... 100 %               | (PFL)   | (drC-)           | 117   |
| SLP  | Slip compensation                                     | 16#2599 = 09625 | 1 %                         | Refer to programming manual | 0 % ... 150 %               | (SLP)   | (drC-)           | 118   |
| SPGU | Inertia gain for the derivative term of the UF laws   | 16#259D = 09629 | 1 %                         | 40                          | 0 % ... 1000 %              | -       | -                | 119   |
| RSM  | Calculated (cold state) or measured stator resistance | 16#25A8 = 09640 | 1 mOhm                      | 0                           | 0 mOhm ... 65535 mOhm       | -       | -                | 120   |
| RSMI | Measured stator resistance                            | 16#25A9 = 09641 | 1                           | 0                           | 0 ... 65535                 | -       | -                | 121   |
| SFT  | Switching frequency type                              | 16#0C1D = 03101 | -                           | "HF1"                       | -                           | (Sft)   | (drC-)           | 122   |
| SFR  | Switching frequency range                             | 16#0C1E = 03102 | 0.1 kHz                     | 40                          | 2 kHz ... 16 kHz            | (SFR)   | (drC-)           | 123   |
| CLI  | Current limitation                                    | 16#23F1 = 09201 | 0.1 A                       | Depends of rating           | 0 A ... 6553.5 A            | (CLI)   | (CL-)            | 124   |
| NRD  | Motor noise reduction                                 | 16#0C23 = 03107 | -                           | "NO"                        | -                           | (nrD)   | (drC-)           | 125   |
| TCC  | Type of control                                       | 16#2B5D = 11101 | -                           | "2C"                        | -                           | (tCC)   | (I_O)            | 126   |
| TCT  | 2 wire type control                                   | 16#2B5E = 11102 | -                           | "TRN"                       | -                           | (tCt)   | (I_O)            | 127   |
| RRS  | Reverse direction                                     | 16#2B61 = 11105 | -                           | Refer to programming manual | -                           | (rrS)   | (FU-)            | 128   |
| AI1T | AI1 type  | 16#1132 = 04402 | -                           | Refer to programming manual | -                           | (AI1t)  | (AI-)            | 129   |
| CRL1 | AI1 current scaling parameter of 0%                   | 16#1150 = 04432 | 0.1 mA                      | 40                          | 0 mA ... 20 mA              | (CRL1)  | (AI-)            | 130   |
| CRH1 | AI1 current scaling parameter of 100%                 | 16#115A = 04442 | 0.1 mA                      | 200                         | 0 mA ... 20 mA              | (CRH1)  | (AI-)            | 131   |
| R1   | R1 assignment   | 16#1389 = 05001 | -                           | "FLT"                       | -                           | (r1)    | (I_O)            | 132   |
| R1S  | R1 status (output active level)                       | 16#1069 = 04201 | -                           | "POS"                       | -                           | -       | -                | 133   |
| LO1  | LO1 assignment  | 16#1391 = 05009 | -                           | "NO"                        | -                           | (LO1)   | (LO-)            | 134   |
| LO1S | LO1 status (output active level)                      | 16#1071 = 04209 | -                           | "POS"                       | -                           | (LO1S)  | (LO-)            | 135   |
| AO1  | AO1 assignment  | 16#139D = 05021 | -                           | "NO"                        | -                           | (AO1)   | (AO-)            | 136   |
| AO1T | AO1 type  | 16#11F9 = 04601 | -                           | "0A"                        | -                           | (AO1t)  | (AO-)            | 137   |
| FR1  | Reference source 1                                    | 16#20DD = 08413 | -                           | Refer to programming manual | -                           | (Fr1)   | (CL-)            | 138   |
| RIN  | Reverse inhibition                                    | 16#0C24 = 03108 | -                           | Refer to programming manual | -                           | (rIn)   | (CL-)            | 139   |
| PST  | Stop key priority                                     | 16#FA02 = 64002 | -                           | "YES"                       | -                           | (PSt)   | (CL-)            | 140   |
| CHCF | Channel configuration                                 | 16#20D1 = 08401 | -                           | "SIM"                       | -                           | (CHCF)  | (CL-)            | 141   |
| CD1  | Channel 1 command source                              | 16#20E7 = 08423 | -                           | "TER"                       | -                           | (Cd1)   | (CL-)            | 142   |
| RPT  | Shape ramp assignment                                 | 16#232C = 09004 | -                           | "LIN"                       | -                           | (rPt)   | (rPt-)           | 143   |
| ACC  | Acceleration time (between 0 and FRS)                 | 16#2329 = 09001 | 0.1 s                       | 30                          | 0 s ... 999.9 s             | (ACC)   | (rPt-)           | 144   |
| DEC  | Deceleration time (between FRS and 0)                 | 16#232A = 09002 | 0.1 s                       | 30                          | 0 s ... 999.9 s             | (dEC)   | (rPt-)           | 145   |
| RPS  | Ramp switch assignment                                | 16#2332 = 09010 | -                           | "NO"                        | -                           | (rPS)   | (rPt-)           | 146   |
| AC2  | Acceleration time 2 (between 0 and FRS)               | 16#2334 = 09012 | 0.1 s                       | 50                          | 0 s ... 999.9 s             | (AC2)   | (rPt-)<br>(PId-) | 147   |
| DE2  | Deceleration time 2 (between FRS and 0)               | 16#2335 = 09013 | 0.1 s                       | 50                          | 0 s ... 999.9 s             | (dE2)   | (rPt-)           | 148   |
| BRA  | Braking function assignment                           | 16#232B = 09003 | -                           | "YES"                       | -                           | (brA)   | (rPt-)           | 149   |
| STT  | Stop mode   | 16#2BC1 = 11201 | -                           | "RMP"                       | -                           | (Stt)   | (St-)            | 150   |
| NST  | Free wheel stop assignment                            | 16#2BC2 = 11202 | -                           | "NO"                        | -                           | (nSt)   | (St-)            | 151   |
| FST  | Fast stop assignment                                  | 16#2BC4 = 11204 | -                           | "NO"                        | -                           | (FSt)   | (St-)            | 152   |
| DCF  | Deceleration ramp time reduction                      | 16#2BDE = 11230 | 1                           | 4                           | 1 ... 10                    | (dCF)   | (St-)            | 153   |
| ADC  | Automatic DC injection                                | 16#28A1 = 10401 | -                           | "YES"                       | -                           | (AdC)   | (AdC-)           | 154   |
| SDC1 | Current level of automatic DC injection               | 16#28A3 = 10403 | 0.1 A                       | (0.7 * NCR)                 | 0 A ... 6553.5 A            | (SdC1)  | (AdC-)           | 155   |
| TDC1 | IDC injection time                                    | 16#28A2 = 10402 | 0.1 s                       | 5                           | 0.1 s ... 30 s              | (tdC1)  | (AdC-)           | 156   |
| JOG  | Jog assignment  | 16#2B66 = 11110 | -                           | "NO"                        | -                           | (JOG)   | (FU-)            | 157   |
| JGF  | Jog frequency   | 16#2B67 = 11111 | 0.1 Hz                      | 50                          | 0 Hz ... 10 Hz              | -       | -                | 158   |
| PS2  | 2 preset speeds                                       | 16#2C89 = 11401 | -                           | Refer to programming manual | -                           | (PS2)   | (PSS-)           | 159   |
| PS4  | 4 preset speeds                                       | 16#2C8A = 11402 | -                           | Refer to programming manual | -                           | (PS4)   | (PSS-)           | 160   |
| PS8  | 8 preset speeds                                       | 16#2C8B = 11403 | -                           | "NO"                        | -                           | (PS8)   | (PSS-)           | 161   |
| SP2  | Preset speed 2  | 16#2C92 = 11410 | 0.1 Hz                      | 100                         | 0 Hz ... 400 Hz             | (SP2)   | (PSS-)           | 162   |
| SP3  | Preset speed 3  | 16#2C93 = 11411 | 0.1 Hz                      | Refer to programming manual | 0 Hz ... 400 Hz             | (SP3)   | (PSS-)           | 163   |
| SP4  | Preset speed 4  | 16#2C94 = 11412 | 0.1 Hz                      | Refer to programming manual | 0 Hz ... 400 Hz             | (SP4)   | (PSS-)           | 164   |
| SP5  | Preset speed 5  | 16#2C95 = 11413 | 0.1 Hz                      | 250                         | 0 Hz ... 400 Hz             | (SP5)   | (PSS-)           | 165   |
| SP6  | Preset speed 6  | 16#2C96 = 11414 | 0.1 Hz                      | 300                         | 0 Hz ... 400 Hz             | (SP6)   | (PSS-)           | 166   |
| SP7  | Preset speed 7  | 16#2C97 = 11415 | 0.1 Hz                      | 350                         | 0 Hz ... 400 Hz             | (SP7)   | (PSS-)           | 167   |
| SP8  | Preset speed 8  | 16#2C98 = 11416 | 0.1 Hz                      | 400                         | 0 Hz ... 400 Hz             | (SP8)   | (PSS-)           | 168   |
| JPF  | Skip frequency  | 16#2C25 = 11301 | 0.1 Hz                      | 0                           | 0 Hz ... 400 Hz             | (JPF)   | (FU-)            | 169   |
| PIF  | PID : PI function feedback assignment                 | 16#2E7D = 11901 | -                           | Refer to programming manual | -                           | (PIF)   | (PId-)           | 170   |
| TLS  | Time limited speed (LSP)                              | 16#2DB5 = 11701 | 0.1 s                       | 0                           | [---](NO) ... 999.9 s       | (tLS)   | (PId-)<br>(SP-)  | 171   |
| FBS  | PID Feedback scale factor                             | 16#2E7F = 11903 | 0.1                         | 10                          | 0.1 ... 100                 | (FBS)   | (PId-)           | 172   |
| PII  | PID : PI internal reference selection                 | 16#2E84 = 11908 | -                           | "NO"                        | -                           | (PII)   | (PId-)           | 173   |
| RPI  | PID : Internal reference PI                           | 16#2E90 = 11920 | 0.1 %                       | 0                           | 0 % ... 100 %               | (rPI)   | (rEF-)<br>(PId-) | 174   |
| RPL  | PID minimum value reference                           | 16#2E87 = 11911 | 0.1 %                       | 0                           | 0 % ... 100 %               | (rPL)   | (PId-)           | 175   |
| RPH  | PID max value reference                               | 16#2E88 = 11912 | 0.1 %                       | 1000                        | 0 % ... 100 %               | (rPH)   | (PId-)           | 176   |
| RPG  | PID : PI regulator proportional gain                  | 16#2EA5 = 11941 | 0.01                        | 100                         | 0.01 ... 100                | (rPG)   | (PId-)           | 177   |
| RIG  | PID : PI regulator integral gain                      | 16#2EA6 = 11942 | 0.01                        | 100                         | 0.01 ... 100                | (rIG)   | (PId-)           | 178   |
| RDG  | PID : PI regulator derivative gain                    | 16#2EA7 = 11943 | 0.01                        | 0                           | 0 ... 100                   | (rDG)   | (PId-)           | 179   |
| PRP  | PID : ACC/DEC setpoint ramp parameter                 | 16#2ED0 = 11984 | 0.1 s                       | 0                           | 0 s ... 99.9 s              | (PrP)   | (PId-)           | 180   |
| PIA  | PID : PI regulator Reversal direction correction      | 16#2EA4 = 11940 | -                           | "NO"                        | -                           | (PIA)   | (PId-)           | 181   |
| PAU  | PID : Auto-manu                                       | 16#2EC2 = 11970 | -                           | Refer to programming manual | -                           | (PAU)   | (PId-)           | 182   |
| PIM  | PID : Reference input in manual mode                  | 16#2EB2 = 11954 | -                           | "NO"                        | -                           | (PIM)   | (PId-)           | 183   |
| SFS  | PID predictive speed                                  | 16#2EB3 = 11955 | 0.1 Hz                      | 0                           | [---](NO) ... 400 Hz        | (SFS)   | (PId-)           | 184   |
| RSL  | PID : Wake up threshold on PI error                   | 16#2EB8 = 11960 | 0.1 %                       | 0                           | 0 % ... 100 %               | (rSL)   | (PId-)           | 185   |
| UPP  | Wake up threshold                                     | 16#2EBC = 11964 | 0.1 %                       | 0                           | 0 % ... 100 %               | (UPP)   | (PId-)           | 186   |
| LFF  | Withdrawal frequency                                  | 16#1BA8 = 07080 | 0.1 Hz                      | 0                           | 0 Hz ... 400 Hz             | (LFF)   | (EF-)            | 187   |
| LPI  | Reaction threshold for PI monitoring function         | 16#2EBD = 11965 | 0.1 %                       | -1                          | [---](NO) ... 100 %         | (LPI)   | (PId-)           | 188   |

| Code | Name   | Logic address   | Units  | Factory setting             | Range               | Display | Menu             | Order |
|------|--|-----------------|--------|-----------------------------|---------------------|---------|------------------|-------|
| MPI  | Behaviour of PI monitoring function                          | 16#2EBF = 11967 | -      | "YES"                       | -                   | (MPI)   | (PI-d)           | 189   |
| NFD  | Period for PI state point checking                           | 16#2ED6 = 11990 | 1 min  | 0                           | ----(NO) ... 20 min | (nFd)   | (PMP-)           | 190   |
| PR2  | PID : Assignment for 2 presets PI                            | 16#2E85 = 11909 | -      | "NO"                        | -                   | (Pr2)   | (PI-d)           | 191   |
| PR4  | PID : Assignment for 4 presets PI                            | 16#2E86 = 11910 | -      | "NO"                        | -                   | (Pr4)   | (PI-d)           | 192   |
| RP2  | PID : Preset PI number 2                                     | 16#2E91 = 11921 | 0.1 %  | 250                         | 0 % ... 100 %       | (rP2)   | (PI-d)           | 193   |
| RP3  | PID : Preset PI number 3                                     | 16#2E92 = 11922 | 0.1 %  | 500                         | 0 % ... 100 %       | (rP3)   | (PI-d)           | 194   |
| RP4  | PID : Preset PI number 4                                     | 16#2E93 = 11923 | 0.1 %  | 750                         | 0 % ... 100 %       | (rP4)   | (PI-d)           | 195   |
| APO  | ???  | -               | -      | -                           | -                   | -       | -                | -     |
| FFD  | Max speed for PI state point checking                        | 16#2ED7 = 11991 | 0.1 Hz | 0                           | 0 Hz ... 400 Hz     | (FFd)   | (PMP-)           | 197   |
| FOF  | Stopping frequency of the auxiliary pump                     | 16#3B63 = 15203 | 0.1 Hz | 0                           | 0 Hz ... 400 Hz     | (FOF)   | (PMP-)           | 198   |
| FON  | Starting frequency of the auxiliary pump                     | 16#3B62 = 15202 | 0.1 Hz | Refer to programming manual | 0 Hz ... 400 Hz     | (FOn)   | (PMP-)           | 199   |
| FTU  | Underload fault duration                                     | 16#384D = 14413 | 1 min  | 0                           | 0 min ... 6 min     | (FTu)   | (L-O-)<br>(PMP-) | 200   |
| LFD  | Speed reference for PI state point checking                  | 16#2ED8 = 11992 | 0.1 Hz | 0                           | 0 Hz ... 400 Hz     | (LFd)   | (PMP-)           | 201   |
| MdE  | Selecting the operating mode                                 | 16#3B61 = 15201 | -      | "NO"                        | -                   | (MdE)   | (PMP-)           | 202   |
| ROF  | Ramp for stopping the auxiliary pump                         | 16#3B67 = 15207 | 0.1 s  | 20                          | 0 s ... 999.9 s     | (rOF)   | (PMP-)           | 203   |
| RON  | Ramp for reaching the nominal speed of the auxiliary pump    | 16#3B66 = 15206 | 0.1 s  | 20                          | 0 s ... 999.9 s     | (rOn)   | (PMP-)           | 204   |
| SLE  | Stop on LSP hysteresis                                       | 16#2DB6 = 11702 | 0.1 Hz | 10                          | 0 Hz ... 400 Hz     | (SLE)   | (PI-d)           | 205   |
| TOf  | Time delay before the auxiliary pump stop command            | 16#3B65 = 15205 | 0.1 s  | 20                          | 0 s ... 999.9 s     | (tOf)   | (PMP-)           | 206   |
| TOF  | Time delay before starting the auxiliary pump                | 16#3B64 = 15204 | 0.1 s  | 20                          | 0 s ... 999.9 s     | (tOn)   | (PMP-)           | 207   |
| TPi  | Reaction time for PI monitoring function                     | 16#2EBE = 11966 | 1 s    | 0                           | 0 s ... 600 s       | (tPi)   | (PI-d)           | 208   |
| INH  | Fault inhibition assignment                                  | 16#1BD5 = 07125 | -      | "NO"                        | -                   | (InH)   | (FL-t)           | 209   |
| SLL  | Drive behaviour when ETx.SLFEvent is detected on Modbus chan | 16#1B62 = 07010 | -      | "YES"                       | -                   | (SLL)   | (FL-t)           | 210   |
| LFL1 | 4-20 mA loos behaviour                                       | 16#1B69 = 07017 | -      | Refer to programming manual | -                   | (LFL1)  | (FL-t)           | 211   |
| NCA1 | Communication scanner, address of write word 1               | 16#31B1 = 12721 | 1      | 8501                        | 0 ... 65535         | (nCA1)  | (OCS-)           | 212   |
| NCA2 | Communication scanner, address of write word 2               | 16#31B2 = 12722 | 1      | 8602                        | 0 ... 65535         | (nCA2)  | (OCS-)           | 213   |
| NCA3 | Communication scanner, address of write word 3               | 16#31B3 = 12723 | 1      | 0                           | 0 ... 65535         | (nCA3)  | (OCS-)           | 214   |
| NCA4 | Communication scanner, address of write word 4               | 16#31B4 = 12724 | 1      | 0                           | 0 ... 65535         | (nCA4)  | (OCS-)           | 215   |
| NMA1 | Communication scanner, address of read word 1                | 16#319D = 12701 | 1      | 3201                        | 0 ... 65535         | (nMA1)  | (ICS-)           | 216   |
| NMA2 | Communication scanner, address of read word 2                | 16#319E = 12702 | 1      | 8604                        | 0 ... 65535         | (nMA2)  | (ICS-)           | 217   |
| NMA3 | Communication scanner, address of read word 3                | 16#319F = 12703 | 1      | 0                           | 0 ... 65535         | (nMA3)  | (ICS-)           | 218   |
| NMA4 | Communication scanner, address of read word 4                | 16#31A0 = 12704 | 1      | 0                           | 0 ... 65535         | (nMA4)  | (ICS-)           | 219   |
| ADD  | Terminal modbus : Drive address                              | 16#1771 = 06001 | 1      | 0                           | ----(OFF) ... 247   | (Add)   | (COM-)           | 220   |
| TBR  | Terminal modbus : Baud-rate                                  | 16#1773 = 06003 | -      | "19K2"                      | -                   | (tbr)   | (COM-)           | 221   |
| TFO  | Terminal modbus : Frame format                               | 16#1774 = 06004 | -      | "8E1"                       | -                   | (tFO)   | (COM-)           | 222   |
| TTO  | Terminal modbus : Time-out                                   | 16#1775 = 06005 | 0.1 s  | 100                         | 0.1 s ... 30 s      | (ttO)   | (COM-)           | 223   |
| FLO  | Forced local assignment                                      | 16#20EF = 08431 | -      | "NO"                        | -                   | (FLO)   | (CL-)            | 224   |
| FLOC | Forced local reference source assignment                     | 16#20F0 = 08432 | -      | "NO"                        | -                   | (FLOC)  | (CL-)            | 225   |
| RtHl | Run elapsed time display                                     | 16#0CA0 = 03232 | 0.01 h | 0                           | 0 h ... 655.35 h    | (rtHl)  | (MAI-)           | 226   |
| PET  | Process elapsed time   | 16#0CA4 = 03236 | 0.01 h | 0                           | 0 h ... 655.35 h    | (PEt)   | (MAI-)           | 227   |
| FtH  | Fan time display   | 16#0CA7 = 03239 | 0.01 h | 0                           | 0 h ... 655.35 h    | (FtH)   | (MAI-)           | 228   |
| ULT  | Application underload time delay                             | 16#384B = 14411 | 1 s    | 0                           | 0 s ... 100 s       | (ULt)   | (L-O-)<br>(PMP-) | 229   |
| LUL  | Application underload threshold                              | 16#384F = 14415 | 1 %    | 60                          | 20 % ... 100 %      | (LUL)   | (L-O-)<br>(PMP-) | 230   |
| TOL  | Application Overload time delay                              | 16#3855 = 14421 | 1 s    | 0                           | 0 s ... 100 s       | (tOL)   | (L-O-)<br>(PMP-) | 231   |
| LOC  | Application overload threshold                               | 16#3859 = 14425 | 1 %    | 90                          | 70 % ... 150 %      | (LOC)   | (L-O-)<br>(PMP-) | 232   |
| SH2  | 2 HSP assignment   | 16#3AFD = 15101 | -      | "NO"                        | -                   | (SH2)   | (SPL-)           | 233   |
| SH4  | 4 HSP assignment   | 16#3AFE = 15102 | -      | "NO"                        | -                   | (SH4)   | (SPL-)           | 234   |
| HSU  | Display of High speed value                                  | 16#3B05 = 15109 | 0.1 Hz | 0                           | 0 Hz ... 400 Hz     | (HSU)   | (MAI-)           | 235   |
| HSP2 | High speed 2   | 16#3B06 = 15110 | 0.1 Hz | Refer to programming manual | 0 Hz ... 400 Hz     | (HSP2)  | (SPL-)           | 236   |
| HSP3 | High speed 3   | 16#3B07 = 15111 | 0.1 Hz | Refer to programming manual | 0 Hz ... 400 Hz     | (HSP3)  | (SPL-)           | 237   |
| HSP4 | High speed 4   | 16#3B08 = 15112 | 0.1 Hz | Refer to programming manual | 0 Hz ... 400 Hz     | (HSP4)  | (SPL-)           | 238   |