**EGR-4000**

| Category | Modbus TCP Register | Description | Register Count | Type ID | Units | Writable | Possible Values |
|---|---|---|---|---|---|---|---|
| Identification | 1032 | Vendor Name | 32 | ASCII | no-units | | |
| | 1064 | Model Name | 32 | ASCII | no-units | | |
| | 1096 | Display Name | 32 | ASCII | no-units | | |
| | 1128 | Device Type | 32 | ASCII | no-units | | |
| | 1605 | Field Replaceable Unit | 1 | UINT16 | no-units | | |
| | | | | | | | |
| PROT | 30009 | PROT Signal - Active | 1 | UINT16 | no-units | | Inactive(0);Active(1) |
| | 30014 | PROT Signal - General Pickup | 1 | UINT16 | no-units | | Inactive(0);Active(1) |
| | 30018 | PROT Signal - General Trip Ground Fault | 1 | UINT16 | no-units | | Inactive(0);Active(1) |
| | 30019 | PROT Signal - General Trip | 1 | UINT16 | no-units | | Inactive(0);Active(1) |
| | | Phase Current Direction Failure Forward | | UINT16 | no-units | | Inactive(0);Active(1) |
| | | Phase Current Direction Failure Reverse | | UINT16 | no-units | | Inactive(0);Active(1) |
| | | Phase Current Direction Missing Reference Voltage | | UINT16 | no-units | | Inactive(0);Active(1) |
| | | | | | | | |
| 50P1 | 30025 | 50P1 Signal - Active | 1 | UINT16 | no-units | | Inactive(0);Active(1) |
| | 30026 | 50P1 Signal - Trip Command blocked | 1 | UINT16 | no-units | | Inactive(0);Active(1) |
| | 30032 | 50P1 Signal - Pickup | 1 | UINT16 | no-units | | Inactive(0);Active(1) |
| | 30036 | 50P1 Signal - Trip | 1 | UINT16 | no-units | | Inactive(0);Active(1) |
| | 30037 | 50P1 Signal - Trip Command | 1 | UINT16 | no-units | | Inactive(0);Active(1) |
| | | | | | | | |
| 50P2 | 30038 | 50P2 Signal - Active | 1 | UINT16 | no-units | | Inactive(0);Active(1) |
| | 30039 | 50P2 Signal - Trip Command blocked | 1 | UINT16 | no-units | | Inactive(0);Active(1) |
| | 30045 | 50P2 Signal - Pickup | 1 | UINT16 | no-units | | Inactive(0);Active(1) |
| | 30049 | 50P2 Signal - Trip | 1 | UINT16 | no-units | | Inactive(0);Active(1) |

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|---|---|---|---|---|---|---|
| | 30050 | 50P2 Signal - Trip Command | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| 50P3 | 30051 | 50P3 Signal - Active | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| | 30052 | 50P3 Signal - Trip Command blocked | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30058 | 50P3 Signal - Pickup | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30062 | 50P3 Signal - Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30063 | 50P3 Signal - Trip Command | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| 51P1 | 30077 | 51P1 Signal - Active | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| | 30078 | 51P1 Signal - Trip Command blocked | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30084 | 51P1 Signal - Pickup | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30088 | 51P1 Signal - Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30089 | 51P1 Signal - Trip Command | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| 51P2 | 30090 | 51P2 Signal - Active | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| | 30091 | 51P2 Signal - Trip Command blocked | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30097 | 51P2 Signal - Pickup | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30101 | 51P2 Signal - Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30102 | 51P2 Signal - Trip Command | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| 51P3 | 30103 | 51P3 Signal - Active | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| | 30104 | 51P3 Signal - Trip Command blocked | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30110 | 51P3 Signal - Pickup | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30114 | 51P3 Signal - Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30115 | 51P3 Signal - Trip Command | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| 50X1 | 30129 | 50X1 Signal - Active | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| | 30130 | 50X1 Signal - Trip Command blocked | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30133 | 50X1 Signal - Pickup Ix or Ir | 1 | UINT16 | no-units | Inactive(0);Active(1) |

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|---|---|---|---|---|---|---|
| | 30134 | 50X1 Signal - Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30135 | 50X1 Signal - Trip Command | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| 50X2 | 30136 | 50X2 Signal - Active | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| | 30137 | 50X2 Signal - Trip Command blocked | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30140 | 50X2 Signal - Pickup Ix or Ir | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30141 | 50X2 Signal - Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30142 | 50X2 Signal - Trip Command | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| 51X1 | 30143 | 51X1 Signal - Active | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| | 30144 | 51X1 Signal - Trip Command blocked | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30147 | 51X1 Signal - Pickup Ix or Ir | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30148 | 51X1 Signal - Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30149 | 51X1 Signal - Trip Command | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| 51X2 | 30150 | 51X2 Signal - Active | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| | 30151 | 51X2 Signal - Trip Command blocked | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30154 | 51X2 Signal - Pickup Ix or Ir | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30155 | 51X2 Signal - Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30156 | 51X2 Signal - Trip Command | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| 49 | 30267 | 49 Signal - Active | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| | 30268 | 49 Signal - Trip Command blocked | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30270 | 49 Signal - Alarm | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30271 | 49 Signal - Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30272 | 49 Signal - Trip Command | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| 27M1 | 36200 | 27-M1 Active | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 36201 | 27-M1 Trip Command blocked | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 36206 | 27-M1 Pickup | 1 | UINT16 | no-units | Inactive(0);Active(1) |

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|---|---|---|---|---|---|---|
| | 36210 | 27-M1 Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 36211 | 27-M1 Trip Command | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| 27M2 | 36300 | 27-M2 Active | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 36301 | 27-M2 Trip Command blocked | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 36306 | 27-M2 Pickup | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 36310 | 27-M2 Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 36311 | 27-M2 Trip Command | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| 59M1 | 39100 | 59M1 Active | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 39101 | 59M1 Trip Command blocked | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 39106 | 59M1 Pickup | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 39110 | 59M1 Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 39111 | 59M1 Trip Command | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| 59M2 | 39200 | 59M2 Active | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 39201 | 59M2 Trip Command blocked | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 39206 | 59M2 Pickup | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 39210 | 59M2 Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 39211 | 59M2 Trip Command | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| 27A1 | 36000 | 27-A1 Active | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 36001 | 27-A1 Trip Command blocked | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 36003 | 27-A1 Pickup | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 36004 | 27-A1 Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 36005 | 27-A1 Trip Command | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| 27A2 | 36100 | 27-A2 Active | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 36101 | 27-A2 Trip Command blocked | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 36103 | 27-A2 Pickup | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 36104 | 27-A2 Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 36105 | 27-A2 Trip Command | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| 81-1 | 39500 | 81-1 Active | 1 | UINT16 | no-units | Inactive(0);Active(1) |

| | | | | | | |
|---|---|---|---|---|---|---|
| | 39502 | 81-1 Trip Command blocked | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 39508 | 81-1 Pickup Frequency collective signal | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 39510 | 81-1 Trip Frequency collective signal | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 39512 | 81-1 Trip Command | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| 81-2 | 39600 | 81-2 Active | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 39602 | 81-2 Trip Command blocked | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 39608 | 81-2 Pickup Frequency collective signal | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 39610 | 81-2 Trip Frequency collective signal | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 39612 | 81-2 Trip Command | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| 81-3 | 39700 | 81-3 Active | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 39702 | 81-3 Trip Command blocked | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 39708 | 81-3 Pickup Frequency collective signal | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 39710 | 81-3 Trip Frequency collective signal | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 39712 | 81-3 Trip Command | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| 81-4 | 39800 | 81-4 Active | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 39802 | 81-4 Trip Command blocked | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 39808 | 81-4 Pickup Frequency (collective signal) | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 39810 | 81-4 Trip Frequency collective signal | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 39812 | 81-4 Trip Command | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| 81-5 | 39900 | 81-5 Active | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 39902 | 81-5 Trip Command blocked | 1 | UINT16 | no-units | Inactive(0);Active(1) |

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|---|---|---|---|---|---|---|
| | 39908 | 81-5 Pickup Frequency collective signal | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 39910 | 81-5 Trip Frequency collective signal | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 39912 | 81-5 Trip Command | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| 81-6 | 40000 | 81-6 Active | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 40002 | 81-6 Trip Command blocked | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 40008 | 81-6 Pickup Frequency collective signal | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 40010 | 81-6 Trip Frequency collective signal | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 40012 | 81-6 Trip Command | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| EXP1 - External Protection | | EXP1 Active | | UINT16 | no-units | Inactive(0);Active(1) |
| | | EXP1 Trip Command Blocked | | UINT16 | no-units | Inactive(0);Active(1) |
| | | EXP1 Alarm | | UINT16 | no-units | Inactive(0);Active(1) |
| | | EXP1 Trip | | UINT16 | no-units | Inactive(0);Active(1) |
| | | EXP1 Trip Command | | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| EXP2 - External Protection | | EXP2 Active | | UINT16 | no-units | Inactive(0);Active(1) |
| | | EXP2 Trip Command Blocked | | UINT16 | no-units | Inactive(0);Active(1) |
| | | EXP2 Alarm | | UINT16 | no-units | Inactive(0);Active(1) |
| | | EXP2 Trip | | UINT16 | no-units | Inactive(0);Active(1) |
| | | EXP2 Trip Command | | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| EXP3 - External Protection | | EXP3 Active | | UINT16 | no-units | Inactive(0);Active(1) |
| | | EXP3 Trip Command Blocked | | UINT16 | no-units | Inactive(0);Active(1) |
| | | EXP3 Alarm | | UINT16 | no-units | Inactive(0);Active(1) |
| | | EXP3 Trip | | UINT16 | no-units | Inactive(0);Active(1) |
| | | EXP3 Trip Command | | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| EXP4 - External Protection | | EXP4 Active | | UINT16 | no-units | Inactive(0);Active(1) |
| | | EXP4 Trip Command Blocked | | UINT16 | no-units | Inactive(0);Active(1) |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | EXP4 Alarm | | UINT16 | no-units | Inactive(0);Active(1) |
| | | EXP4 Trip | | UINT16 | no-units | Inactive(0);Active(1) |
| | | EXP4 Trip Command | | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| Breaker Failure1 | 30158 | BF Signal - Active | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30162 | BF Signal - Breaker Failure Pickup | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30163 | BF Signal - Breaker Failure Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | BF Signal - Breaker Failure Lockout | | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| PROT | 30023 | Fault Number | 1 | UINT16 | no-units | |
| | | | | | | |
| PROT | 30024 | Grid Fault Number | 1 | UINT16 | no-units | |
| | | | | | | |
| AF/SS/SC | 30227 | Signal - Parameter Set 1 | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30228 | Signal - Parameter Set 2 | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30229 | Signal - Parameter Set 3 | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30230 | Signal - Parameter Set 4 | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30238 | Signal - At least 1 parameter has been changed | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| Energy Counter Overflow | | Counter Overflow Wh Fwd | | UINT16 | no-units | Inactive(0);Active(1) |
| | | Counter Overflow Wh Rev | | UINT16 | no-units | Inactive(0);Active(1) |
| | | Counter Overflow VArh Lag | | UINT16 | no-units | Inactive(0);Active(1) |
| | | Counter Overflow VArh Lead | | UINT16 | no-units | Inactive(0);Active(1) |
| | | Counter Overflow Wh Net | | UINT16 | no-units | Inactive(0);Active(1) |
| | | Counter Overflow VArh Net | | UINT16 | no-units | Inactive(0);Active(1) |
| | | Counter Overflow VAh Net | | UINT16 | no-units | Inactive(0);Active(1) |
| | | Warning Counter Overflow Wh Fwd | | UINT16 | no-units | Inactive(0);Active(1) |
| | | Warning Counter Overflow Wh Rev | | UINT16 | no-units | Inactive(0);Active(1) |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | Warning Counter Overflow VArh Lag | | UINT16 | no-units | Inactive(0);Active(1) |
| | | Warning Counter Overflow VArh Lead | | UINT16 | no-units | Inactive(0);Active(1) |
| | | Warning Counter Overflow Wh Net | | UINT16 | no-units | Inactive(0);Active(1) |
| | | Warning Counter Overflow VArh Net | | UINT16 | no-units | Inactive(0);Active(1) |
| | | Warning Counter Overflow VAh Net | | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| 50R1 | 30239 | 50R1 Signal - Active | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30240 | 50R1 Signal - Trip Command blocked | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30243 | 50R1 Signal - Pickup Ix or Ir | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30244 | 50R1 Signal - Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30245 | 50R1 Signal - Trip Command | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| 50R2 | 30246 | 50R2 Signal - Active | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30247 | 50R2 Signal - Trip Command blocked | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30250 | 50R2 Signal - Pickup Ix or Ir | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30251 | 50R2 Signal - Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30252 | 50R2 Signal - Trip Command | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| 51R1 | 30253 | 51R1 Signal - Active | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30254 | 51R1 Signal - Trip Command blocked | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30257 | 51R1 Signal - Pickup Ix or Ir | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30258 | 51R1 Signal - Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30259 | 51R1 Signal - Trip Command | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| 51R2 | 30260 | 51R2 Signal - Active | 1 | UINT16 | no-units | Inactive(0);Active(1) |

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|---|---|---|---|---|---|---|
| | 30261 | 51R2 Signal - Trip Command blocked | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30264 | 51R2 Signal - Pickup Ix or Ir | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30265 | 51R2 Signal - Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30266 | 51R2 Signal - Trip Command | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| SOTF | 30371 | SOTF Signal - Active | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30374 | SOTF Signal - Switch onto Fault Enabled | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30376 | SOTF Signal - No Load Current | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| Cold Load | 30377 | CLPU Signal - Active | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30379 | CLPU Signal - Cold Load Enabled | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| | 30380 | CLPU Signal - Cold Load Detected | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30381 | CLPU Signal - No Load Current | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | CLPU Signal - Load Inrush | | UINT16 | no-units | Inactive(0);Active(1) |
| | | CLPU Signal - Settle Time | | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| 32-1 | | 32-1 Active | | UINT16 | no-units | Inactive(0);Active(1) |
| | | 32-1 Trip Command Blocked | | UINT16 | no-units | Inactive(0);Active(1) |
| | | 32-1 Pickup | | UINT16 | no-units | Inactive(0);Active(1) |
| | | 32-1 Trip | | UINT16 | no-units | Inactive(0);Active(1) |
| | | 32-1 Trip Command | | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| 32-2 | | 32-2 Active | | UINT16 | no-units | Inactive(0);Active(1) |
| | | 32-2 Trip Command Blocked | | UINT16 | no-units | Inactive(0);Active(1) |
| | | 32-2 Pickup | | UINT16 | no-units | Inactive(0);Active(1) |
| | | 32-2 Trip | | UINT16 | no-units | Inactive(0);Active(1) |
| | | 32-2 Trip Command | | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| 32-3 | | 32-3 Active | | UINT16 | no-units | Inactive(0);Active(1) |
| | | 32-3 Trip Command Blocked | | UINT16 | no-units | Inactive(0);Active(1) |
| | | 32-3 Pickup | | UINT16 | no-units | Inactive(0);Active(1) |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | 32-3 Trip | | UINT16 | no-units | Inactive(0);Active(1) |
| | | 32-3 Trip Command | | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| 32V-1 | | 32V-1 Active | | UINT16 | no-units | Inactive(0);Active(1) |
| | | 32V-1 Trip Command Blocked | | UINT16 | no-units | Inactive(0);Active(1) |
| | | 32V-1 Pickup | | UINT16 | no-units | Inactive(0);Active(1) |
| | | 32V-1 Trip | | UINT16 | no-units | Inactive(0);Active(1) |
| | | 32V-1 Trip Command | | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| 32V-2 | | 32V-2 Active | | UINT16 | no-units | Inactive(0);Active(1) |
| | | 32V-2 Trip Command Blocked | | UINT16 | no-units | Inactive(0);Active(1) |
| | | 32V-2 Pickup | | UINT16 | no-units | Inactive(0);Active(1) |
| | | 32V-2 Trip | | UINT16 | no-units | Inactive(0);Active(1) |
| | | 32V-2 Trip Command | | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| 32V-3 | | 32V-3 Active | | UINT16 | no-units | Inactive(0);Active(1) |
| | | 32V-3 Trip Command Blocked | | UINT16 | no-units | Inactive(0);Active(1) |
| | | 32V-3 Pickup | | UINT16 | no-units | Inactive(0);Active(1) |
| | | 32V-3 Trip | | UINT16 | no-units | Inactive(0);Active(1) |
| | | 32V-3 Trip Command | | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| 59A1 | 38900 | 59A1 Active | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 38901 | 59A1 Trip Command blocked | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 38903 | 59A1 Pickup | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 38904 | 59A1 Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 38905 | 59A1 Trip Command | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| 59A2 | 39000 | 59A2 Active | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 39001 | 59A2 Trip Command blocked | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 39003 | 59A2 Pickup | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 39004 | 59A2 Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 39005 | 59A2 Trip Command | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| 59N1 | 39300 | 59N1 Active | 1 | UINT16 | no-units | Inactive(0);Active(1) |

| | | | | | | |
|---|---|---|---|---|---|---|
| | 39301 | 59N1 Trip Command blocked | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 39303 | 59N1 Pickup | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 39304 | 59N1 Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 39305 | 59N1 Trip Command | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| 59N2 | 39400 | 59N2 Active | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 39401 | 59N2 Trip Command blocked | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 39403 | 59N2 Pickup | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 39404 | 59N2 Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 39405 | 59N2 Trip Command | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| LOP | 31080 | LOP Active | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 31081 | LOP Loss of potential blocked | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 31082 | LOP Loss of potential pickup | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| 46-1 | 36900 | 46-1 Active | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 36901 | 46-1 Trip Command blocked | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 36903 | 46-1 Pickup | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 36907 | 46-1 Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 36905 | 46-1 Trip Command | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| 46-2 | 37000 | 46-2 Active | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 37001 | 46-2 Trip Command blocked | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 37003 | 46-2 Pickup | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 37004 | 46-2 Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 37005 | 46-2 Trip Command | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| PF-55A1 | 38500 | 55A1 Active | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 38501 | 55A1 Trip Command blocked | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 38503 | 55A1 Pickup | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 38504 | 55A1 Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 38505 | 55A1 Trip Command | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| PF-55A2 | 38600 | 55A2 Active | 1 | UINT16 | no-units | Inactive(0);Active(1) |

| | | | | | | |
|---|---|---|---|---|---|---|
| | 38601 | 55A2 Trip Command blocked | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 38603 | 55A2 Pickup | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 38604 | 55A2 Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 38605 | 55A2 Trip Command | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| PF-55D1 | 38700 | 55D1 Active | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 38701 | 55D1 Trip Command blocked | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 38703 | 55D1 Pickup | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 38704 | 55D1 Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 38705 | 55D1 Trip Command | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| PF-55D2 | 38800 | 55D2 Active | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 38801 | 55D2 Trip Command blocked | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 38803 | 55D2 Pickup | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 38804 | 55D2 Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 38805 | 55D2 Trip Command | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| 47-1 | 37100 | 47-1 Active | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 37101 | 47-1 Trip Command blocked | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 37103 | 47-1 Pickup | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 37104 | 47-1 Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 37105 | 47-1 Trip Command | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| 47-2 | 37200 | 47-2 Active | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 37201 | 47-2 Trip Command blocked | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 37203 | 47-2 Pickup | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 37204 | 47-2 Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 37205 | 47-2 Trip Command | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| Breaker Wear1 | 30184 | Breaker Wear Signal - Isum Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30188 | Breaker Wear Signal - Operations Alarm | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | Breaker Wear Signal - Wear Level Alarm | | UINT16 | no-units | Inactive(0);Active(1) |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | Breaker Wear Signal - Wear Level Lockout | | UINT16 | no-units | Inactive(0);Active(1) |
| | | Breaker Wear Signal - Isum Alarm | | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| CTS | 30223 | CTS Signal - Active | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30224 | CTS Signal - Pickup Current Transformer Measuring Circuit Supervision | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| Zone Interlock1 | 30340 | Zone Interlock1 Signal - Blocked by BF | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30341 | Zone Interlock1 Signal - Active | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30342 | Zone Interlock1 Signal - Trip Command blocked | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30344 | Zone Interlock1 Signal - Ground Out | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30345 | Zone Interlock1 Signal - Ground Pickup | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30346 | Zone Interlock1 Signal - Ground Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30347 | Zone Interlock1 Signal - Phase Out | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30348 | Zone Interlock1 Signal - Phase Pickup | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30349 | Zone Interlock1 Signal - Phase Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30350 | Zone Interlock1 Signal - ZI In | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30351 | Zone Interlock1 Signal - ZI Out | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30352 | Zone Interlock1 Signal - Pickup | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30353 | Zone Interlock1 Signal - Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30354 | Zone Interlock1 Signal - Trip Command | 1 | UINT16 | no-units | Inactive(0);Active(1) |

| | | | | | | |
|---|---|---|---|---|---|---|
| RTD | 30517 | RTD Signal - Active | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30518 | RTD Signal - Trip Command blocked | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30520 | RTD Signal - Alarm | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30521 | RTD Signal - Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30522 | RTD Signal - Trip Command | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30523 | RTD Signal - WD 1 Alarm | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30524 | RTD Signal - WD 1 Timeout Alarm | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30525 | RTD Signal - WD 1 Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30526 | RTD Signal - WD 1 Invalid | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30527 | RTD Signal - WD 2 Alarm | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30528 | RTD Signal - WD 2 Timeout Alarm | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30529 | RTD Signal - WD 2 Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30530 | RTD Signal - WD 2 Invalid | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30531 | RTD Signal - WD 3 Alarm | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30532 | RTD Signal - WD 3 Timeout Alarm | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30533 | RTD Signal - WD 3 Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30534 | RTD Signal - WD 3 Invalid | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30535 | RTD Signal - WD 4 A Alarm | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30536 | RTD Signal - WD 4 Timeout Alarm | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30537 | RTD Signal - WD 4 Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30538 | RTD Signal - WD 4 Invalid | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30539 | RTD Signal - WD 5 Alarm | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30540 | RTD Signal - WD 5 Timeout Alarm | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30541 | RTD Signal - WD 5 Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30542 | RTD Signal - WD 5 Invalid | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30543 | RTD Signal - WD 6 Alarm | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30544 | RTD Signal - WD 6 Timeout Alarm | 1 | UINT16 | no-units | Inactive(0);Active(1) |

| | | | | | |
|---|---|---|---|---|---|
| 30545 | RTD Signal - WD 6 Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| 30546 | RTD Signal - WD 6 Invalid | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| 30547 | RTD Signal - MB 1 Alarm | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| 30548 | RTD Signal - MB 1 Timeout Alarm | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| 30549 | RTD Signal - MB 1 Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| 30550 | RTD Signal - MB 1 Invalid | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| 30551 | RTD Signal - MB 2 Alarm | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| 30552 | RTD Signal - MB 2 Timeout Alarm | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| 30553 | RTD Signal - MB 2 Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| 30554 | RTD Signal - MB 2 Invalid | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| 30555 | RTD Signal - LB 1 Alarm | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| 30556 | RTD Signal - LB 1 Timeout Alarm | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| 30557 | RTD Signal - LB 1 Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| 30558 | RTD Signal - LB 1 Invalid | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| 30559 | RTD Signal - LB 2 Alarm | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| 30560 | RTD Signal - LB 2 Timeout Alarm | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| 30561 | RTD Signal - LB 2 Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| 30562 | RTD Signal - LB 2 Invalid | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| 30563 | RTD Signal - Aux1 Alarm | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| 30564 | RTD Signal - Aux1 Timeout Alarm | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| 30565 | RTD Signal - Aux1 Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| 30566 | RTD Signal - Aux1 Invalid | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | RTD Signal - WD Group Invalid | | UINT16 | no-units | Inactive(0);Active(1) |
| | RTD Signal - MB Group Invalid | | UINT16 | no-units | Inactive(0);Active(1) |
| | RTD Signal - Timeout Alarm | | UINT16 | no-units | Inactive(0);Active(1) |
| | RTD Signal - LB Group Invalid | | UINT16 | no-units | Inactive(0);Active(1) |
| | RTD Signal - LB Group Alarm | | UINT16 | no-units | Inactive(0);Active(1) |
| | RTD Signal - LB Group Timeout Alarm | | UINT16 | no-units | Inactive(0);Active(1) |
| | RTD Signal - LB Group Trip | | UINT16 | no-units | Inactive(0);Active(1) |
| | RTD Signal - MB Group Alarm | | UINT16 | no-units | Inactive(0);Active(1) |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | RTD Signal - MB Group Timeout Alarm | | UINT16 | no-units | Inactive(0);Active(1) |
| | | RTD Signal - MB Group Trip | | UINT16 | no-units | Inactive(0);Active(1) |
| | | RTD Signal - WD Group Alarm | | UINT16 | no-units | Inactive(0);Active(1) |
| | | RTD Signal - WD Group Timeout Alarm | | UINT16 | no-units | Inactive(0);Active(1) |
| | | RTD Signal - WD Group Trip | | UINT16 | no-units | Inactive(0);Active(1) |
| | | RTD Signal - Voting Group 1 Trip | | UINT16 | no-units | Inactive(0);Active(1) |
| | | RTD Signal - Voting Group 2 Trip | | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| IRIG-B | | IRIG-B Active | | UINT16 | no-units | Inactive(0);Active(1) |
| | | IRIG-B Inverted | | UINT16 | no-units | Inactive(0);Active(1) |
| | | IRIG-B Control Signal 01 | | UINT16 | no-units | Inactive(0);Active(1) |
| | | IRIG-B Control Signal 02 | | UINT16 | no-units | Inactive(0);Active(1) |
| | | IRIG-B Control Signal 04 | | UINT16 | no-units | Inactive(0);Active(1) |
| | | IRIG-B Control Signal 05 | | UINT16 | no-units | Inactive(0);Active(1) |
| | | IRIG-B Control Signal 06 | | UINT16 | no-units | Inactive(0);Active(1) |
| | | IRIG-B Control Signal 07 | | UINT16 | no-units | Inactive(0);Active(1) |
| | | IRIG-B Control Signal 08 | | UINT16 | no-units | Inactive(0);Active(1) |
| | | IRIG-B Control Signal 09 | | UINT16 | no-units | Inactive(0);Active(1) |
| | | IRIG-B Control Signal 10 | | UINT16 | no-units | Inactive(0);Active(1) |
| | | IRIG-B Control Signal 11 | | UINT16 | no-units | Inactive(0);Active(1) |
| | | IRIG-B Control Signal 12 | | UINT16 | no-units | Inactive(0);Active(1) |
| | | IRIG-B Control Signal 13 | | UINT16 | no-units | Inactive(0);Active(1) |
| | | IRIG-B Control Signal 14 | | UINT16 | no-units | Inactive(0);Active(1) |
| | | IRIG-B Control Signal 15 | | UINT16 | no-units | Inactive(0);Active(1) |
| | | IRIG-B Control Signal 16 | | UINT16 | no-units | Inactive(0);Active(1) |
| | | IRIG-B Control Signal 17 | | UINT16 | no-units | Inactive(0);Active(1) |
| | | IRIG-B Control Signal 18 | | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| TCM1 | 31000 | TCM1 Signal - Active | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 31001 | TCM1 Signal - Pickup | 1 | UINT16 | no-units | Inactive(0);Active(1) |

| | | | | | | |
|---|---|---|---|---|---|---|
| System Maintenar | 31012 | SYS Signal - Arc Flash reduction maintenance active | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 31016 | SYS Signal - Arc Flash reduction maintenance inactive | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| RO X2 | 31041 | RO SlotX2 Signal - Relay Outputs Disarmed | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 31042 | RO SlotX2 Signal - At least one relay output set by force | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 31043 | RO SlotX2 Signal - ZI out | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 31044 | RO SlotX2 Signal - Relay Output 1 | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 31045 | RO SlotX2 Signal - Relay Output 2 | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 31046 | RO SlotX2 Signal - Relay Output 3 | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 31047 | RO SlotX2 Signal - Relay Output 4 | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| Wired Inputs | | Wired Input - Main Breaker 1 Connected | | UINT16 | no-units | Inactive(0);Active(1) |
| | | Wired Input - Main Breaker 2 Connected | | UINT16 | no-units | Inactive(0);Active(1) |
| | | Wired Input - Tie Breaker Connected | | UINT16 | no-units | Inactive(0);Active(1) |
| | | Wired Input - Main Breaker 1 Selected to Trip | | UINT16 | no-units | Inactive(0);Active(1) |
| | | Wired Input - Main Breaker 2 Selected to Trip | | UINT16 | no-units | Inactive(0);Active(1) |
| | | Wired Input - Tie Breaker Selected to Trip | | UINT16 | no-units | Inactive(0);Active(1) |
| | | Wired Input - System in Auto | | UINT16 | no-units | Inactive(0);Active(1) |
| | | Wired Input - System in Manual | | UINT16 | no-units | Inactive(0);Active(1) |

| | | | | |
|---|---|---|---|---|
| | Wired Input - Preferred Source 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | Wired Input - Preferred Source 2 | UINT16 | no-units | Inactive(0);Active(1) |
| | Wired Input - Main Breaker 1 Closed | UINT16 | no-units | Inactive(0);Active(1) |
| | Wired Input - Main Breaker 2 Closed | UINT16 | no-units | Inactive(0);Active(1) |
| | Wired Input - Tie Breaker Closed | UINT16 | no-units | Inactive(0);Active(1) |
| | Wired Input - Main Breaker 1 Open | UINT16 | no-units | Inactive(0);Active(1) |
| | Wired Input - Main Breaker 2 Open | UINT16 | no-units | Inactive(0);Active(1) |
| | Wired Input - Tie Breaker Open | UINT16 | no-units | Inactive(0);Active(1) |
| | Wired Input - Breaker Trouble | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | |
| SYSA - System Alarms | SYSA - Current Demand Alarm | UINT16 | no-units | Inactive(0);Active(1) |
| | SYSA - Active | UINT16 | no-units | Inactive(0);Active(1) |
| | SYSA - Current THD Alarm | UINT16 | no-units | Inactive(0);Active(1) |
| | SYSA - VA Power Alarm | UINT16 | no-units | Inactive(0);Active(1) |
| | SYSA - VA Demand Alarm | UINT16 | no-units | Inactive(0);Active(1) |
| | SYSA - VAr Power Alarm | UINT16 | no-units | Inactive(0);Active(1) |
| | SYSA - VAr Demand Alarm | UINT16 | no-units | Inactive(0);Active(1) |
| | SYSA - Voltage THD Alarm | UINT16 | no-units | Inactive(0);Active(1) |
| | SYSA - Watt Power Alarm | UINT16 | no-units | Inactive(0);Active(1) |
| | SYSA - Watt Demand Alarm | UINT16 | no-units | Inactive(0);Active(1) |
| | SYSA - Current Demand Trip | UINT16 | no-units | Inactive(0);Active(1) |
| | SYSA - Current THD Trip | UINT16 | no-units | Inactive(0);Active(1) |
| | SYSA - VA Demand Trip | UINT16 | no-units | Inactive(0);Active(1) |
| | SYSA - VA Power Trip | UINT16 | no-units | Inactive(0);Active(1) |
| | SYSA - VAr Demand Trip | UINT16 | no-units | Inactive(0);Active(1) |
| | SYSA - VAr Power Trip | UINT16 | no-units | Inactive(0);Active(1) |
| | SYSA - Voltage THD Trip | UINT16 | no-units | Inactive(0);Active(1) |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | SYSA - Watt Demand Trip | | UINT16 | no-units | Inactive(0);Active(1) |
| | | SYSA - Watt Power Trip | | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| SYNC | | SYNC - Active | | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| | | SYNC - Angle Difference Too High | | UINT16 | no-units | Inactive(0);Active(1) |
| | | SYNC - System in Sync | | UINT16 | no-units | Inactive(0);Active(1) |
| | | SYNC - Live Bus | | UINT16 | no-units | Inactive(0);Active(1) |
| | | SYNC - Live Line | | UINT16 | no-units | Inactive(0);Active(1) |
| | | SYNC - Slip Frequency Too High | | UINT16 | no-units | Inactive(0);Active(1) |
| | | SYNC - Overridden | | UINT16 | no-units | Inactive(0);Active(1) |
| | | SYNC - Allowed | | UINT16 | no-units | Inactive(0);Active(1) |
| | | SYNC - Failed | | UINT16 | no-units | Inactive(0);Active(1) |
| | | SYNC - Run Timing | | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| | | SYNC - Voltage Difference Too High | | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| CTRL | | CTRL - Local | | UINT16 | no-units | Inactive(0);Active(1) |
| | | CTRL - Remote | | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| Breaker1 | | Breaker Trip Command | | UINT16 | no-units | Inactive(0);Active(1) |
| | | Breaker Open Command | | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| | | Breaker Manual Open Command | | UINT16 | no-units | Inactive(0);Active(1) |
| | | Breaker Close Command | | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| | | Breaker Manual Close Command | | UINT16 | no-units | Inactive(0);Active(1) |
| | | Slow Breaker | | UINT16 | no-units | Inactive(0);Active(1) |
| | | Reset Slow Breaker | | UINT16 | no-units | Inactive(0);Active(1) |
| | 30176 | Bkr1 Signal - Breaker Disturbed | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| | 30173 | Bkr1 Signal - Breaker Indeterminate | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30174 | Bkr1 Signal - Breaker Open | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30175 | Bkr1 Signal - Breaker Closed | 1 | UINT16 | no-units | Inactive(0);Active(1) |

| | | | | | | |
|---|---|---|---|---|---|---|
| | 30171 | Bkr1 Signal - Breaker is Ready for operation | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| Status | 3000 | Breaker/Contactor State | 1 | UINT16 | no-units | Disturbed(0);Indeterminate(2);Open(3);Closed(4);Error(5) |
| | | | | | | |
| Prot | | IR Current Direction Failure Forward | | UINT16 | no-units | Inactive(0);Active(1) |
| | | IR Current Direction Failure Reverse | | UINT16 | no-units | Inactive(0);Active(1) |
| | | IR Current Direction Detection Not Possible | | UINT16 | no-units | Inactive(0);Active(1) |
| | | IX Current Direction Failure Forward | | UINT16 | no-units | Inactive(0);Active(1) |
| | | IX Current Direction Failure Reverse | | UINT16 | no-units | Inactive(0);Active(1) |
| | | IX Current Direction Detection Not Possible | | UINT16 | no-units | Inactive(0);Active(1) |
| | | WFR - Phase DFT Invalid | | UINT16 | no-units | Inactive(0);Active(1) |
| | | WFR - Phase Frequency Greater than 10Hz | | UINT16 | no-units | Inactive(0);Active(1) |
| | | WFR - Phase Frequency Greater than 70Hz | | UINT16 | no-units | Inactive(0);Active(1) |
| | | WFR - Phase Frequency Less than 10Hz | | UINT16 | no-units | Inactive(0);Active(1) |
| | | WFR - Phase Frequency Less than 70Hz | | UINT16 | no-units | Inactive(0);Active(1) |
| | | WFR - VX DFT Invalid | | UINT16 | no-units | Inactive(0);Active(1) |
| | | WFR - VX Frequency Greater than 10Hz | | UINT16 | no-units | Inactive(0);Active(1) |
| | | WFR - VX Frequency Greater than 70Hz | | UINT16 | no-units | Inactive(0);Active(1) |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | WFR - VX Frequency Less than 10Hz | | UINT16 | no-units | Inactive(0);Active(1) |
| | | WFR - VX Frequency Less than 70Hz | | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| RTD | 30567 | RTD Signal - Any RTD Group Alarm | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30569 | RTD Signal - Any RTD Group Trip | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 30568 | RTD Signal - Any RTD Group Timeout Alarm | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| 40-Z1 - 1 Loss of Excitation | | 40-Z1-1 Pickup | | UINT16 | no-units | Inactive(0);Active(1) |
| | | 40-Z1-1 Active | | UINT16 | no-units | Inactive(0);Active(1) |
| | | 40-Z1-1 Trip | | UINT16 | no-units | Inactive(0);Active(1) |
| | | 40-Z1-1 Trip Command Blocked | | UINT16 | no-units | Inactive(0);Active(1) |
| | | 40-Z1-1 Trip Command | | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| 40-Z2 - 1 Loss of Excitation | | 40-Z2-1 Pickup | | UINT16 | no-units | Inactive(0);Active(1) |
| | | 40-Z2-1 Active | | UINT16 | no-units | Inactive(0);Active(1) |
| | | 40-Z2-1 Trip | | UINT16 | no-units | Inactive(0);Active(1) |
| | | 40-Z2-1 Trip Command Blocked | | UINT16 | no-units | Inactive(0);Active(1) |
| | | 40-Z2-1 Trip Command | | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| 46G1 | | 46G1 Pickup | | UINT16 | no-units | Inactive(0);Active(1) |
| | | 46G1 Active | | UINT16 | no-units | Inactive(0);Active(1) |
| | | 46G1 Trip | | UINT16 | no-units | Inactive(0);Active(1) |
| | | 46G1 Trip Command Blocked | | UINT16 | no-units | Inactive(0);Active(1) |
| | | 46G1 Trip Command | | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| 46G2 | | 46G2 Pickup | | UINT16 | no-units | Inactive(0);Active(1) |
| | | 46G2 Active | | UINT16 | no-units | Inactive(0);Active(1) |
| | | 46G2 Trip | | UINT16 | no-units | Inactive(0);Active(1) |
| | | 46G2 Trip Command Blocked | | UINT16 | no-units | Inactive(0);Active(1) |
| | | 46G2 Trip Command | | UINT16 | no-units | Inactive(0);Active(1) |

| | | | | |
|---|---|---|---|---|
| 24-1 | 24-1 Pickup | UINT16 | no-units | Inactive(0);Active(1) |
| | 24-1 Active | UINT16 | no-units | Inactive(0);Active(1) |
| | 24-1 Trip | UINT16 | no-units | Inactive(0);Active(1) |
| | 24-1 Trip Command Blocked | UINT16 | no-units | Inactive(0);Active(1) |
| | 24-1 Trip Command | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | |
| 24-2 | 24-2 Pickup | UINT16 | no-units | Inactive(0);Active(1) |
| | 24-2 Active | UINT16 | no-units | Inactive(0);Active(1) |
| | 24-2 Trip | UINT16 | no-units | Inactive(0);Active(1) |
| | 24-2 Trip Command Blocked | UINT16 | no-units | Inactive(0);Active(1) |
| | 24-2 Trip Command | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | |
| Analog Input 1 | Analog Input 1 Pickup | UINT16 | no-units | Inactive(0);Active(1) |
| | Analog Input 1 Active | UINT16 | no-units | Inactive(0);Active(1) |
| | Analog Input 1 Trip | UINT16 | no-units | Inactive(0);Active(1) |
| | Analog Input 1 Trip Command Blocked | UINT16 | no-units | Inactive(0);Active(1) |
| | Analog Input 1 Trip Command | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | |
| Analog Input 2 | Analog Input 2 Pickup | UINT16 | no-units | Inactive(0);Active(1) |
| | Analog Input 2 Active | UINT16 | no-units | Inactive(0);Active(1) |
| | Analog Input 2 Trip | UINT16 | no-units | Inactive(0);Active(1) |
| | Analog Input 2 Trip Command Blocked | UINT16 | no-units | Inactive(0);Active(1) |
| | Analog Input 2 Trip Command | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | |
| 40-Z1 - 2 Loss of Excitation | 40-Z1-2 Pickup | UINT16 | no-units | Inactive(0);Active(1) |
| | 40-Z1-2 Active | UINT16 | no-units | Inactive(0);Active(1) |
| | 40-Z1-2 Trip | UINT16 | no-units | Inactive(0);Active(1) |
| | 40-Z1-2 Trip Command Blocked | UINT16 | no-units | Inactive(0);Active(1) |
| | 40-Z1-2 Trip Command | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | |
| 40-Z2 - 2 Loss of Excitation | 40-Z2-2 Pickup | UINT16 | no-units | Inactive(0);Active(1) |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | 40-Z2-2 Active | | UINT16 | no-units | Inactive(0);Active(1) |
| | | 40-Z2-2 Trip | | UINT16 | no-units | Inactive(0);Active(1) |
| | | 40-Z2-2 Trip Command Blocked | | UINT16 | no-units | Inactive(0);Active(1) |
| | | 40-Z2-2 Trip Command | | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| DI Slot X1 | 31030 | Signal - Digital Input 1 | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 31031 | Signal - Digital Input 2 | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 31032 | Signal - Digital Input 3 | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 31033 | Signal - Digital Input 4 | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 31034 | Signal - Digital Input 5 | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 31035 | Signal - Digital Input 6 | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 31036 | Signal - Digital Input 7 | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 31037 | Signal - Digital Input 8 | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| Modbus | | Modbus Command 01 | | UINT16 | no-units | Inactive(0);Active(1) |
| | | Modbus Command 02 | | UINT16 | no-units | Inactive(0);Active(1) |
| | | Modbus Command 03 | | UINT16 | no-units | Inactive(0);Active(1) |
| | | Modbus Command 04 | | UINT16 | no-units | Inactive(0);Active(1) |
| | | Modbus Command 05 | | UINT16 | no-units | Inactive(0);Active(1) |
| | | Modbus Command 06 | | UINT16 | no-units | Inactive(0);Active(1) |
| | | Modbus Command 07 | | UINT16 | no-units | Inactive(0);Active(1) |
| | | Modbus Command 08 | | UINT16 | no-units | Inactive(0);Active(1) |
| | | Modbus Command 09 | | UINT16 | no-units | Inactive(0);Active(1) |
| | | Modbus Command 10 | | UINT16 | no-units | Inactive(0);Active(1) |
| | | Modbus Command 11 | | UINT16 | no-units | Inactive(0);Active(1) |
| | | Modbus Command 12 | | UINT16 | no-units | Inactive(0);Active(1) |
| | | Modbus Command 13 | | UINT16 | no-units | Inactive(0);Active(1) |
| | | Modbus Command 14 | | UINT16 | no-units | Inactive(0);Active(1) |
| | | Modbus Command 15 | | UINT16 | no-units | Inactive(0);Active(1) |
| | | Modbus Command 16 | | UINT16 | no-units | Inactive(0);Active(1) |
| | 35000 | Signal - Communication Active | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| RTD | 31018 | URTD - WD1 supervision | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 31019 | URTD - WD2 supervision | 1 | UINT16 | no-units | Inactive(0);Active(1) |

| | | | | | | |
|---|---|---|---|---|---|---|
| | 31020 | URTD - WD3 supervision | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 31021 | URTD - WD4 supervision | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 31022 | URTD - WD5 supervision | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 31023 | URTD - WD6 supervision | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 31024 | URTD - MB1 supervision | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 31025 | URTD - MB2 supervision | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 31026 | URTD - LB1 supervision | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 31027 | URTD - LB2 supervision | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 31028 | URTD - Aux1 supervision | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | 31029 | URTD - URTD supervision | 1 | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| Service | | Signal Generator Running | | UINT16 | no-units | Inactive(0);Active(1) |
| | | | | | | |
| Date and Time | 35001 | Year | 1 | UINT16 | year | |
| | 35002 | Month | 1 | UINT16 | months | |
| | 35003 | Day | 1 | UINT16 | days | |
| | 35004 | Hour | 1 | UINT16 | hours | |
| | 35005 | Minute | 1 | UINT16 | minutes | |
| | 35006 | Milliseconds | 1 | UINT16 | milliseconds | |
| | 35020 | Trip Command Counter | 2 | UINT32 | no-units | |
| | 2108 | Build | 24 | ASCII | no-units | |
| | 3084 | Number of Operating Hours | 1 | UINT16 | hours | |
| | 3119 | Thermal Capacity Used | 1 | UINT16 | percent | |
| | 35030 | Remaining time until thermal overload trip | 2 | UINT32 | seconds | |
| | 5422 | I0 Fund | 2 | FLOAT | amperes | |
| | 5426 | I1 Fund | 2 | FLOAT | amperes | |
| | 5430 | I2 Fund | 2 | FLOAT | amperes | |
| | 11000 | Frequency | 2 | FLOAT | hertz | |
| | 8268 | Vab Fundamental | 2 | FLOAT | volts | |
| | 8272 | Vbc Fundamental | 2 | FLOAT | volts | |
| | 8276 | Vca Fundamental | 2 | FLOAT | volts | |
| | 8270 | Van Fundamental | 2 | FLOAT | volts | |
| | 8274 | Vbn Fundamental | 2 | FLOAT | volts | |

| | | | | | |
|---|---|---|---|---|---|
| | 8278 | Vcn Fundamental | 2 | FLOAT | volts |
| | | | | | |
| Power Quality | | VX Fund | | FLOAT | volts |
| | 4509 | 3V0 Voltage Magnitude | 2 | FLOAT | volts |
| | 4513 | V1 Voltage Magnitude | 2 | FLOAT | volts |
| | 4517 | V2 Voltage Magnitude | 2 | FLOAT | volts |
| | 6218 | PF Displacement | 2 | FLOAT | power-factor |
| | | | | | |
| Power Quality | | VR Fund | | FLOAT | volts |
| | 7004 | Forward Real Energy | 2 | FLOAT | watt-hours |
| | 7006 | Reverse Real Energy | 2 | FLOAT | watt-hours |
| | 7012 | Lagging Reactive Energy | 2 | FLOAT | volt-ampere-reactive-hours |
| | 7010 | Leading Reactive Energy | 2 | FLOAT | volt-ampere-reactive-hours |
| | 33000 | Sum trip IA | 2 | FLOAT | amperes |
| | 33002 | Sum trip IB | 2 | FLOAT | amperes |
| | 33004 | Sum trip IC | 2 | FLOAT | amperes |
| | 33020 | IR Angle Calculated | 2 | FLOAT | degrees-phase |
| | 33022 | IX Angle Measured | 2 | FLOAT | degrees-phase |
| | 33024 | IA angle | 2 | FLOAT | degrees-phase |
| | 33026 | IB angle | 2 | FLOAT | degrees-phase |
| | 33028 | IC angle | 2 | FLOAT | degrees-phase |
| | 33030 | IA THD | 2 | FLOAT | amperes |
| | 33032 | IB THD | 2 | FLOAT | amperes |
| | 33034 | IC THD | 2 | FLOAT | amperes |
| | 9436 | Percent THD Ia | 2 | FLOAT | percent |
| | 9438 | Percent THD Ib | 2 | FLOAT | percent |
| | 9440 | Percent THD Ic | 2 | FLOAT | percent |
| | 35032 | IRIG-B Edges | 2 | UINT32 | no-units |
| | 35034 | IRIG-B Number of Frame Errors | 2 | UINT32 | no-units |
| | 35036 | IRIG-B Number of Valid Frames | 2 | UINT32 | no-units |
| | 5002 | IA RMS | 2 | FLOAT | amperes |
| | 5004 | IB RMS | 2 | FLOAT | amperes |
| | 5006 | IC RMS | 2 | FLOAT | amperes |
| | 5308 | IX meas RMS | 2 | FLOAT | amperes |

| | | | | | |
|---|---|---|---|---|---|
| | 5302 | IR calc RMS | 2 | FLOAT | amperes |
| | | | | | |
| Environment | | Auxiliary Temperature 2 | | FLOAT | degrees-Celsius |
| | 12008 | Winding Temperature 1 | 2 | FLOAT | degrees-Celsius |
| | 12010 | Winding Temperature 2 | 2 | FLOAT | degrees-Celsius |
| | 12012 | Winding Temperature 3 | 2 | FLOAT | degrees-Celsius |
| | 12014 | Winding Temperature 4 | 2 | FLOAT | degrees-Celsius |
| | 12016 | Winding Temperature 5 | 2 | FLOAT | degrees-Celsius |
| | 12018 | Winding Temperature 6 | 2 | FLOAT | degrees-Celsius |
| | 12020 | Motor Bearing Temperature 1 | 2 | FLOAT | degrees-Celsius |
| | 12022 | Motor Bearing Temperature 2 | 2 | FLOAT | degrees-Celsius |
| | 12024 | Load Bearing Temperature 1 | 2 | FLOAT | degrees-Celsius |
| | 12026 | Load Bearing Temperature 2 | 2 | FLOAT | degrees-Celsius |
| | 12028 | Auxiliary Temperature | 2 | FLOAT | degrees-Celsius |
| | 5142 | Phase Current Unbalance | 2 | FLOAT | percent |
| | 4435 | Vr angle calculated | 2 | FLOAT | degrees-phase |
| | 4437 | Vx angle measured | 2 | FLOAT | degrees-phase |
| | 4417 | Vab Phase | 2 | FLOAT | degrees-phase |
| | 4429 | Van Phase | 2 | FLOAT | degrees-phase |
| | 4419 | Vbc Phase | 2 | FLOAT | degrees-phase |
| | 4431 | Vbn Phase | 2 | FLOAT | degrees-phase |
| | 4421 | Vca Phase | 2 | FLOAT | degrees-phase |
| | 4433 | Vcn Phase | 2 | FLOAT | degrees-phase |
| | 4511 | 3V0 Voltage Angle | 2 | FLOAT | degrees-phase |
| | 4515 | V1 Voltage Angle | 2 | FLOAT | degrees-phase |
| | 4519 | V2 Voltage Angle | 2 | FLOAT | degrees-phase |
| | 8036 | Van THD | 2 | FLOAT | volts |
| | 8030 | Vab THD | 2 | FLOAT | volts |
| | 8038 | Vbn THD | 2 | FLOAT | volts |
| | 8032 | Vbc THD | 2 | FLOAT | volts |
| | 8040 | Vcn THD | 2 | FLOAT | volts |
| | 8034 | Vca THD | 2 | FLOAT | volts |
| | 8154 | Percent THD Van | 2 | FLOAT | percent |
| | 8148 | Percent THD Vab | 2 | FLOAT | percent |

| | | | | | |
|---|---|---|---|---|---|
| | 8156 | Percent THD Vbn | 2 | FLOAT | percent |
| | 8150 | Percent THD Vbc | 2 | FLOAT | percent |
| | 8158 | Percent THD Vcn | 2 | FLOAT | percent |
| | 8152 | Percent THD Vca | 2 | FLOAT | percent |
| | 31606 | Vr Calculated RMS | 2 | FLOAT | volts |
| | 31614 | Vr Calculated RMS | 2 | FLOAT | volts |
| | 4010 | Van | 2 | FLOAT | volts |
| | 4002 | Vab | 2 | FLOAT | volts |
| | 4012 | Vbn | 2 | FLOAT | volts |
| | 4004 | Vbc | 2 | FLOAT | volts |
| | 4014 | Vcn | 2 | FLOAT | volts |
| | 4006 | Vca | 2 | FLOAT | volts |
| | 4483 | Percent Voltage Unbalance | 2 | FLOAT | percent |
| | 6006 | System Watt RMS | 2 | FLOAT | watts |
| | 6070 | System VA RMS | 2 | FLOAT | volt-amperes |
| | 6220 | PF Apparent | 2 | FLOAT | power-factor |
| | 6134 | System VAR RMS | 2 | FLOAT | volt-amperes-reactive |
| | 7008 | Net Real Energy | 2 | FLOAT | watt-hours |
| | 7014 | Net Reactive Energy | 2 | FLOAT | volt-ampere-reactive-hours |
| | 7016 | Apparent Energy | 2 | FLOAT | volt-ampere-hours |
| | | | | | |
| Status | | Number of Operating Hours (Resettable) | | FLOAT | hours |
| | | | | | |
| Motor/Protection/Drive Status | | Breaker Open Capacity | | FLOAT | percent |
| | | Isum trip per hour | | FLOAT | amps |
| | | | | | |
| SYNC - Values | | SYNC - Bus Frequency | | FLOAT | hertz |
| | | SYNC - Bus Voltage | | FLOAT | volts |
| | | SYNC - Bus Angle | | FLOAT | degrees |
| | | SYNC - Angle Difference | | FLOAT | degrees |
| | | SYNC - Voltage Difference | | FLOAT | volts |
| | | SYNC - Line Frequency | | FLOAT | hertz |
| | | SYNC - Line Voltage | | FLOAT | volts |

| | | | | | |
|---|---|---|---|---|---|
| | | SYNC - Line Angle | | FLOAT | degrees |
| | | SYNC - Slip Frequency | | FLOAT | hertz |
| | | | | | |
| Voltage | | VX 3rd Harmonic | | FLOAT | volts |
| | | | | | |
| Discrete Input/Output | | Analog Input 1 Forced Value | | FLOAT | percent |
| | | Analog Input 2 Forced Value | | FLOAT | percent |
| | | | | | |
| 24 - Values | | Volts per Hertz | | FLOAT | percent |
| | 11027 | Max Frequency | 2 | FLOAT | hertz |
| | 11022 | Min Frequency | 2 | FLOAT | hertz |
| | 4219 | Positive Sequence Voltage Max | 2 | FLOAT | volts |
| | 4207 | Positive Sequence Voltage Min | 2 | FLOAT | volts |
| | 4223 | Negative Sequence Voltage Max | 2 | FLOAT | volts |
| | 4211 | Negative Sequence Voltage Min | 2 | FLOAT | volts |
| | 33116 | Positive Sequence Current Max | 2 | FLOAT | amperes |
| | 33118 | Positive Sequence Current Min | 2 | FLOAT | amperes |
| | 33122 | Negative Sequence Current Max | 2 | FLOAT | amperes |
| | 33124 | Negative Sequence Current Min | 2 | FLOAT | amperes |
| | 6288 | Max System PF (Disp) | 2 | FLOAT | power-factor |
| | 6268 | Min System PF (Disp) | 2 | FLOAT | power-factor |
| | 5250 | Demand Ia | 2 | FLOAT | amperes |
| | 5252 | Demand Ib | 2 | FLOAT | amperes |
| | 5254 | Demand Ic | 2 | FLOAT | amperes |
| | 5164 | Ia Max | 2 | FLOAT | amperes |
| | 5166 | Ib Max | 2 | FLOAT | amperes |
| | 5168 | Ic Max | 2 | FLOAT | amperes |
| | 5144 | Ia Min | 2 | FLOAT | amperes |
| | 5146 | Ib Min | 2 | FLOAT | amperes |
| | 5148 | Ic Min | 2 | FLOAT | amperes |

| | | | | |
|---|---|---|---|---|
| 31522 | URTD - WD1 min | 2 | FLOAT | degrees-Celsius |
| 31524 | URTD - WD2 min | 2 | FLOAT | degrees-Celsius |
| 31526 | URTD - WD3 min | 2 | FLOAT | degrees-Celsius |
| 31528 | URTD - WD4 min | 2 | FLOAT | degrees-Celsius |
| 31530 | URTD - WD5 min | 2 | FLOAT | degrees-Celsius |
| 31532 | URTD - WD6 min | 2 | FLOAT | degrees-Celsius |
| 31534 | URTD - MB1 min | 2 | FLOAT | degrees-Celsius |
| 31536 | URTD - MB2 min | 2 | FLOAT | degrees-Celsius |
| 31538 | URTD - LB1 min | 2 | FLOAT | degrees-Celsius |
| 31540 | URTD - LB2 min | 2 | FLOAT | degrees-Celsius |
| 31542 | URTD - Aux1 min | 2 | FLOAT | degrees-Celsius |
| 31544 | URTD - WD1 max | 2 | FLOAT | degrees-Celsius |
| 31546 | URTD - WD2 max | 2 | FLOAT | degrees-Celsius |
| 31548 | URTD - WD3 max | 2 | FLOAT | degrees-Celsius |
| 31550 | URTD - WD4 max | 2 | FLOAT | degrees-Celsius |
| 31552 | URTD - WD5 max | 2 | FLOAT | degrees-Celsius |
| 31554 | URTD - WD6 max | 2 | FLOAT | degrees-Celsius |
| 31556 | URTD - MB1 max | 2 | FLOAT | degrees-Celsius |
| 31558 | URTD - MB2 max | 2 | FLOAT | degrees-Celsius |
| 31560 | URTD - LB1 max | 2 | FLOAT | degrees-Celsius |
| 31562 | URTD - LB2 max | 2 | FLOAT | degrees-Celsius |
| 31564 | URTD - Aux1 max | 2 | FLOAT | degrees-Celsius |
| 32128 | Ir Calculated Max | 2 | FLOAT | amperes |
| 32130 | Ir Calculated Min | 2 | FLOAT | amperes |
| 32134 | Ix Measured Max | 2 | FLOAT | amperes |
| 32136 | Ix Measured Min | 2 | FLOAT | amperes |
| 32140 | Phase Current Unbalance Interval Max | 2 | FLOAT | percent |
| 32142 | Phase Current Unbalance Interval Min | 2 | FLOAT | percent |
| 31602 | Vr Calculated Max | 2 | FLOAT | volts |
| 31604 | Vr Calculated Min | 2 | FLOAT | volts |
| 31610 | Vx Measured Max | 2 | FLOAT | volts |
| 31612 | Vx Measured Min | 2 | FLOAT | volts |

| | | | | | |
|---|---|---|---|---|---|
| | 4306 | Max Vab | 2 | FLOAT | volts |
| | 4241 | Min Vab | 2 | FLOAT | volts |
| | 4296 | Max Van | 2 | FLOAT | volts |
| | 4231 | Min Van | 2 | FLOAT | volts |
| | 4308 | Max Vbc | 2 | FLOAT | volts |
| | 4243 | Min Vbc | 2 | FLOAT | volts |
| | 4298 | Max Vbn | 2 | FLOAT | volts |
| | 4233 | Min Vbn | 2 | FLOAT | volts |
| | 4310 | Max Vca | 2 | FLOAT | volts |
| | 4245 | Min Vca | 2 | FLOAT | volts |
| | 4300 | Max Vcn | 2 | FLOAT | volts |
| | 4235 | Min Vcn | 2 | FLOAT | volts |
| | 31618 | Voltage Unbalance Max | 2 | FLOAT | percent |
| | 31620 | Voltage Unbalance Min | 2 | FLOAT | percent |
| | 7023 | Demand Watts | 2 | FLOAT | watts |
| | 6014 | Max Real Power | 2 | FLOAT | watts |
| | 6356 | Min Real Power | 2 | FLOAT | watts |
| | 7387 | Demand VAs | 2 | FLOAT | volt-amperes |
| | 6078 | Max Apparent Power | 2 | FLOAT | volt-amperes |
| | 6364 | Min Apparent Power | 2 | FLOAT | volt-amperes |
| | 6248 | Max System PF (App) | 2 | FLOAT | power-factor |
| | 6228 | Min System PF (App) | 2 | FLOAT | power-factor |
| | 7029 | Demand VARs | 2 | FLOAT | volt-amperes-reactive |
| | 6142 | Max Reactive Power | 2 | FLOAT | volt-amperes-reactive |
| | 6420 | Min Reactive Power | 2 | FLOAT | volt-amperes-reactive |
| | 5014 | Peak Demand Ia | 2 | FLOAT | amperes |
| | 5016 | Peak Demand Ib | 2 | FLOAT | amperes |
| | 5018 | Peak Demand Ic | 2 | FLOAT | amperes |
| | 7040 | Peak Demand Watts | 2 | FLOAT | watts |
| | 7045 | Peak Demand VARs | 2 | FLOAT | volt-amperes-reactive |
| | 7389 | Peak Demand VAs | 2 | FLOAT | volt-amperes |
| | | | | | |
| RTD | | URTD - Aux2 max | | FLOAT | degrees-Celsius |
| | | URTD - Aux2 min | | FLOAT | degrees-Celsius |

| | | | | | | |
|---|---|---|---|---|---|---|
| Voltage | | VX 3rd Harmonic Max | | FLOAT | volts | |
| | | VX 3rd Harmonic Min | | FLOAT | volts | |
| Status | | Generator Operating Hours | | FLOAT | hours | |
| 24 - Values | | Volts per Hertz Max | | FLOAT | percent | |
| | | Volts per Hertz Min | | FLOAT | percent | |
| Control | | Acknowledge - LEDs | | UINT16 | no-units | Yes |
| | | Acknowledge - Relay Outputs | | UINT16 | no-units | Yes |
| | | Acknowledge - Comm | | UINT16 | no-units | Yes |
| | | Acknowledge - Device | | UINT16 | no-units | Yes |
| | 2204 | Acknowledge - Trip Command | 1 | INT16 | no-units | Yes |
| | | Reset - Modbus Counter | | UINT16 | no-units | Yes |
| | 2206 | Reset - All Energy Counters | 1 | INT16 | no-units | Yes |
| | | Reset - BKR Isum Trip | | UINT16 | no-units | Yes |
| | | Comm Command 01 | | UINT16 | no-units | Yes |
| | | Comm Command 02 | | UINT16 | no-units | Yes |
| | | Set Parameter Set 1 | | UINT16 | no-units | Yes |
| | | Set Parameter Set 2 | | UINT16 | no-units | Yes |
| | 2220 | Breaker-Contactor | 1 | INT16 | no-units | Yes |