# Identification

## Device

| | |
|---|---|
| Order number | 3UF7 010-1A*00-0 |
| Short code | SIMOCODE pro V |
| Manufacturer | SIEMENS AG |
| PNO profile | |
| Device family | Load feeder |
| Device subfamily | Motor Management System |
| Device class | |
| Identification number | |
| HW version | |
| FW version | |
| Revision counter | |
| IaM version | |
| Supported IaM data | |
| Timestamp | |

## Marking

| | |
|---|---|
| Plant identifier | PU205 |
| Location designation | |
| Installation date | |
| Description | |

# Device Configuration

| | |
|---|---|
| Basic Unit | SIMOCODE pro V |
| Thermistor | 0 |

## Modules

| | |
|---|---|
| Current Measurement | 20 - 200A |
| Digital Module 1 | - |
| Digital Module 2 | - |
| Operator Panel | 0 |
| Voltage Measurement | 0 |
| Temperature Module | 0 |
| Analog Module | 0 |
| Earth Fault Module | 0 |
| Configuration Fault because of missing Operator Panel | yes |
| Application (Control Function) | Direct starter |

# Bus Parameters

| | |
|---|---|
| DP Address | 21 |
| Transmission rate | 1.5 Mbps |

## Diagnosis

| | |
|---|---|
| Diagnosis triggered by device fault | 1 |
| Diagnosis triggered by trip | 1 |
| Diagnosis triggered by warning | 1 |
| Diagnosis triggered by event | 0 |
| Start-up parameter block | 1 |

# Overload/Unbalance/Stall

### Overload Protection

| | |
|---|---|
| Set Current Is1 | 96,90 A |
| Ie1 transformer ratio - active | 1 |
| Ie1 transformer ratio - numerator | 0,000 |
| Ie1 transformer ratio - denominator | 0 |
| Set Current Is2 | 0,00 A |
| Ie2 transformer ratio - active | 0 |
| Ie2 transformer ratio - numerator | 0,000 |
| Ie2 transformer ratio - denominator | 0 |
| Class | 10 |
| Response at Trip Level | tripping |
| Cooling Down Period | 300,0 s |
| Pause Time | 0,0 s |
| Type of Load | 3-phase |
| Response at Pre-Warning Level (I>115%Is) | warning |
| Pre-Alarm Delay (I>115%Is) | 0,5 s |
| Reset | Manual |

### Unbalance Protection

| | |
|---|---|
| Level | 40 % |
| Response | warning |
| Delay | 0,5 s |

### Stalled Rotor

| | |
|---|---|
| Level | 0 % of Is |
| Response | disabled |
| Delay | 0,5 s |

# Control Station

### Operation Mode Selector

| | |
|---|---|
| S1 | Cyclic Receive - Bit 0.5 |
| S2 | Fixed Level - '1' |

### Local Control [LC]

| | |
|---|---|
| On<< | Not connected |
| On< | Not connected |
| Off | Not connected |
| On> | Not connected |
| On>> | Not connected |

### PLC/DCS [DP]

| | |
|---|---|
| On<< | Not connected |
| On< | Not connected |
| Off | Cyclic Receive - Bit 0.1 |
| On> | Cyclic Receive - Bit 0.2 |
| On>> | Not connected |

### PC [DPV1]

| | |
|---|---|
| On<< | Not connected |
| On< | Not connected |
| Off | Not connected |
| On> | Not connected |
| On>> | Not connected |

### Operator Panel [OP]

| | |
|---|---|
| <>/<<>> | Not connected |
| On< | Not connected |
| Off | Not connected |
| On> | Not connected |
| On>> | Not connected |

### Releases Local 1

| | |
|---|---|
| Local Control [LC] - On | disabled |
| Local Control [LC] - Off | disabled |
| PLC/DCS [DP] - On | disabled |
| PLC/DCS [DP] - Off | disabled |
| PC [DPV1] - On | disabled |

| | |
|---|---|
| PC [DPV1] - Off | disabled |
| Operator Panel [OP] - On | disabled |
| Operator Panel [OP] - Off | disabled |

### Releases Local 2

| | |
|---|---|
| Local Control [LC] - On | disabled |
| Local Control [LC] - Off | disabled |
| PLC/DCS [DP] - On | disabled |
| PLC/DCS [DP] - Off | disabled |
| PC [DPV1] - On | disabled |
| PC [DPV1] - Off | disabled |
| Operator Panel [OP] - On | disabled |
| Operator Panel [OP] - Off | disabled |

### Releases Local 3

| | |
|---|---|
| Local Control [LC] - On | disabled |
| Local Control [LC] - Off | disabled |
| PLC/DCS [DP] - On | disabled |
| PLC/DCS [DP] - Off | disabled |
| PC [DPV1] - On | disabled |
| PC [DPV1] - Off | disabled |
| Operator Panel [OP] - On | disabled |
| Operator Panel [OP] - Off | disabled |

### Releases Remote

| | |
|---|---|
| Local Control [LC] - On | disabled |
| Local Control [LC] - Off | disabled |
| PLC/DCS [DP] - On | enabled |
| PLC/DCS [DP] - Off | enabled |
| PC [DPV1] - On | disabled |
| PC [DPV1] - Off | disabled |
| Operator Panel [OP] - On | disabled |
| Operator Panel [OP] - Off | disabled |

## Control Function

### Operating Mode

| | |
|---|---|
| Non-Maintained Command Mode | 0 |
| Saving Change-Over Command | 0 |
| Type of Consumer Load | Motor |

### Control Commands

| | |
|---|---|
| On<< | Not connected |
| On< | Not connected |

| | |
|---|---|
| Off | Released Control Command - Off |
| On> | Released Control Command - On> |
| On>> | Not connected |

## Auxiliary Control Inputs

| | |
|---|---|
| Feedback On | Status - Motor Current Flowing |
| Feedback Closed (FC) | Not connected |
| Feedback Open (F0) | Not connected |
| Torque Closed (TC) | Not connected |
| Torque Open (TO) | Not connected |

## Timings

| | |
|---|---|
| Feedback Time | 0,5 s |
| Execution Time | 1,0 s |
| Interlocking Time | 0 s |
| Change-over pause | 0,00 s |

## Star-delta

| | |
|---|---|
| Max. Star Time | 20 s |
| Current Measuring Module installed | Delta |

# Earth Fault

### Internal Earth Fault

| | |
|---|---|
| Response | disabled |
| Delay | 0,5 s |

### External Earth Fault

| | |
|---|---|
| Response | signalling |
| Delay | 0,5 s |

# Current Limits

### I > (upper limit)

| | |
|---|---|
| Trip Level | 0 % of Is |
| Response at Trip Level | disabled |
| Trip Delay | 0,5 s |
| Warning Level | 0 % of Is |
| Response at Warning Level | disabled |
| Warning Delay | 0,5 s |

### I < (lower limit)

| | |
|---|---|
| Trip Level | 0 % of Is |
| Response at Trip Level | disabled |
| Trip Delay | 0,5 s |
| Warning Level | 0 % of Is |
| Response at Warning Level | disabled |
| Warning Delay | 0,5 s |
| Hysteresis for Current Limits | 5 % of adjusted level |

# Operating Hours Monitoring

### Motor Operating Hours Monitoring

| | |
|---|---|
| Level | 0 h |
| Response | disabled |

### Motor Stop Time Monitoring

| | |
|---|---|
| Level | 0 h |
| Response | disabled |

## Motor Start Limitation

| | |
|---|---|
| Permissible Starts | 1 |
| Time Range for Starts | 00:00:00 hh:mm:ss |
| Response at Overshoot | disabled |
| Response at Pre-Warning | disabled |
| Interlocking Time | 00:00:00 hh:mm:ss |

# Inputs

## Basic Unit - Inputs

| | |
|---|---|
| Delays | 16 ms |

## Digital Modules - Inputs

| | |
|---|---|
| Delays | 16 ms |

## Analog Module - Inputs

| | |
|---|---|
| Input Signal | 0-20mA |
| Response at Open Circuit | warning |
| Active Inputs | 1 Input |

## Temperature Module - Inputs

| | |
|---|---|
| Sensor type | PT100 |
| Response at Sensor Fault/ Out of Range | warning |
| Active Sensors | 3 Sensors |

# Outputs

## Basic Unit

| | |
|---|---|
| BU - Output 1 | Contactor Control - 1 QE1 |
| BU - Output 2 | Cyclic Receive - Bit 1.1 |
| BU - Output 3 | Cyclic Receive - Bit 1.2 |

## Cyclic Send Data

### Byte 0

| | |
|---|---|
| Bit 0 | Not connected |
| Bit 1 | Status - Off |
| Bit 2 | Status - On> |
| Bit 3 | Event - Overload Operation (I>115%Is) |
| Bit 4 | Not connected |
| Bit 5 | Status - Remote Mode |
| Bit 6 | Status - General Fault |
| Bit 7 | Status - General Warning |

### Byte 1

| | |
|---|---|
| Bit 0 | BU - Input 1 |
| Bit 1 | BU - Input 2 |
| Bit 2 | BU - Input 3 |
| Bit 3 | BU - Input 4 |
| Bit 4 | Fixed Level - '1' |
| Bit 5 | Fixed Level - '0' |
| Bit 6 | Fixed Level - '0' |
| Bit 7 | Fixed Level - '1' |
| Byte 2/3 (Analog Value) | max. Current I_max |
| Byte 4/5 (Analog Value) | Cyclic Receive - Analog Value |
| Byte 6/7 (Analog Value) | calculation module 1 - output |
| Byte 8/9 (Analog Value) | Last Trip Current |

## Acyclic Send Data

### Byte 0

| | |
|---|---|
| Bit 0 | Not connected |
| Bit 1 | Not connected |
| Bit 2 | Not connected |
| Bit 3 | Not connected |
| Bit 4 | Not connected |

| | |
|---|---|
| Bit 5 | Not connected |
| Bit 6 | Not connected |
| Bit 7 | Not connected |

### Byte 1

| | |
|---|---|
| Bit 0 | Not connected |
| Bit 1 | Not connected |
| Bit 2 | Not connected |
| Bit 3 | Not connected |
| Bit 4 | Not connected |
| Bit 5 | Not connected |
| Bit 6 | Not connected |
| Bit 7 | Not connected |

## Test/ Reset

| | |
|---|---|
| Test/Reset - Button blocked | 0 |

### Test 1

| | |
|---|---|
| Test - Input | Cyclic Receive - Bit 0.3 |

### Test 2

| | |
|---|---|
| Test - Input | Not connected |

### Reset 1

| | |
|---|---|
| Reset - Input | Cyclic Receive - Bit 0.6 |

### Reset 2

| | |
|---|---|
| Reset - Input | Not connected |

### Reset 3

| | |
|---|---|
| Reset - Input | Not connected |

## Test Position Feedback (TPF)

| | |
|---|---|
| Type | normally open (NO) |
| Test Position Feedback (TPF) - Input | Not connected |

## External Fault

### External Fault 1

| | |
|---|---|
| External Fault - Input | Not connected |
| External Fault - Reset | Not connected |
| Response | signalling |
| Type | normally open (NO) |
| Activity | always |
| External Fault - Reset also by | Test/Reset Button, RS232 (Panel Reset), Remote Reset, Reset 1,2,3 |
| Marking | |

### External Fault 2

| | |
|---|---|
| External Fault - Input | Not connected |
| External Fault - Reset | Not connected |
| Response | signalling |
| Type | normally open (NO) |

| | |
|---|---|
| Activity | always |
| External Fault - Reset also by Marking | Test/Reset Button, RS232 (Panel Reset), Remote Reset, Reset 1,2,3 |

## External Fault 3

| | |
|---|---|
| External Fault - Input | Not connected |
| External Fault - Reset | Not connected |
| Response | signalling |
| Type | normally open (NO) |
| Activity | always |
| External Fault - Reset also by Marking | Test/Reset Button, RS232 (Panel Reset), Remote Reset, Reset 1,2,3 |

## External Fault 4

| | |
|---|---|
| External Fault - Input | Not connected |
| External Fault - Reset | Not connected |
| Response | signalling |
| Type | normally open (NO) |
| Activity | always |
| External Fault - Reset also by Marking | Test/Reset Button, RS232 (Panel Reset), Remote Reset, Reset 1,2,3 |

## External Fault 5

| | |
|---|---|
| External Fault - Input | Not connected |
| External Fault - Reset | Not connected |
| Response | signalling |
| Type | normally open (NO) |
| Activity | always |
| External Fault - Reset also by Marking | Test/Reset Button, RS232 (Panel Reset), Remote Reset, Reset 1,2,3 |

## External Fault 6

| | |
|---|---|
| External Fault - Input | Not connected |
| External Fault - Reset | Not connected |
| Response | signalling |
| Type | normally open (NO) |
| Activity | always |
| External Fault - Reset also by Marking | Test/Reset Button, RS232 (Panel Reset), Remote Reset, Reset 1,2,3 |

# Operational Protection Off (OPO)

| | |
|---|---|
| Operational Protection Off - Input | Not connected |
| Reaction positioner | closed |
| Type | normally open (NO) |

## Power Failure Monitoring (UVO)

| | |
|---|---|
| Power Failure Monitoring - Method | deactivated |
| Power Failure Time | 0,0 s |
| Restart Time Delay | 0 s |
| Addressing external Power Failure Monitoring | Not connected |

## Emergency Start

| | |
|---|---|
| Emergency Start - Input | Cyclic Receive - Bit 0.4 |

## Watchdog (PLC/DCS Monitoring)

| | |
|---|---|
| Bus Monitoring | 1 |
| PLC/DCS Monitoring - Input | Not connected |
| PLC/DCS Monitoring | 1 |
| Bus/PLC-Fault - Reset | Manual |

## Timestamping

| | |
|---|---|
| Timestamping active | 0 |
| Timestamping - Input 0 | Not connected |
| Timestamping - Input 1 | Not connected |
| Timestamping - Input 2 | Not connected |
| Timestamping - Input 3 | Not connected |
| Timestamping - Input 4 | Not connected |
| Timestamping - Input 5 | Not connected |
| Timestamping - Input 6 | Not connected |
| Timestamping - Input 7 | Not connected |

# Truth Table 3I/1O

## Truth Table 1 3I/1O

Truth Table - Input 1 Not connected
Truth Table - Input 2 Not connected
Truth Table - Input 3 Not connected

### Logic

| I1 | I2 | I3 | O1 |
|---|---|---|---|
| 0 | 0 | 0 | 0 |
| 0 | 0 | 1 | 0 |
| 0 | 1 | 0 | 0 |
| 0 | 1 | 1 | 0 |
| 1 | 0 | 0 | 0 |
| 1 | 0 | 1 | 0 |
| 1 | 1 | 0 | 0 |
| 1 | 1 | 1 | 0 |

## Truth Table 2 3I/1O

Truth Table - Input 1 Not connected
Truth Table - Input 2 Not connected
Truth Table - Input 3 Not connected

### Logic

| I1 | I2 | I3 | O1 |
|---|---|---|---|
| 0 | 0 | 0 | 0 |
| 0 | 0 | 1 | 0 |
| 0 | 1 | 0 | 0 |
| 0 | 1 | 1 | 0 |
| 1 | 0 | 0 | 0 |
| 1 | 0 | 1 | 0 |
| 1 | 1 | 0 | 0 |
| 1 | 1 | 1 | 0 |

## Truth Table 3 3I/1O

Truth Table - Input 1 Not connected
Truth Table - Input 2 Not connected
Truth Table - Input 3 Not connected

### Logic

| I1 | I2 | I3 | O1 |
|---|---|---|---|
| 0 | 0 | 0 | 0 |
| 0 | 0 | 1 | 0 |
| 0 | 1 | 0 | 0 |

| I1 | I2 | I3 | O1 |
|---|---|---|---|
| 0 | 1 | 1 | 0 |
| 1 | 0 | 0 | 0 |
| 1 | 0 | 1 | 0 |
| 1 | 1 | 0 | 0 |
| 1 | 1 | 1 | 0 |

## Truth Table 4 3I/1O

**Truth Table - Input 1 Not connected**
**Truth Table - Input 2 Not connected**
**Truth Table - Input 3 Not connected**

### Logic

| I1 | I2 | I3 | O1 |
|---|---|---|---|
| 0 | 0 | 0 | 0 |
| 0 | 0 | 1 | 0 |
| 0 | 1 | 0 | 0 |
| 0 | 1 | 1 | 0 |
| 1 | 0 | 0 | 0 |
| 1 | 0 | 1 | 0 |
| 1 | 1 | 0 | 0 |
| 1 | 1 | 1 | 0 |

## Truth Table 5 3I/1O

**Truth Table - Input 1 Not connected**
**Truth Table - Input 2 Not connected**
**Truth Table - Input 3 Not connected**

### Logic

| I1 | I2 | I3 | O1 |
|---|---|---|---|
| 0 | 0 | 0 | 0 |
| 0 | 0 | 1 | 0 |
| 0 | 1 | 0 | 0 |
| 0 | 1 | 1 | 0 |
| 1 | 0 | 0 | 0 |
| 1 | 0 | 1 | 0 |
| 1 | 1 | 0 | 0 |
| 1 | 1 | 1 | 0 |

## Truth Table 6 3I/1O

**Truth Table - Input 1 Not connected**
**Truth Table - Input 2 Not connected**
**Truth Table - Input 3 Not connected**

### Logic

| I1 | I2 | I3 | O1 |
|---|---|---|---|
| 0 | 0 | 0 | 0 |
| 0 | 0 | 1 | 0 |
| 0 | 1 | 0 | 0 |
| 0 | 1 | 1 | 0 |
| 1 | 0 | 0 | 0 |

| I1 | I2 | I3 | O1 |
|---|---|---|---|
| 1 | 0 | 1 | 0 |
| 1 | 1 | 0 | 0 |
| 1 | 1 | 1 | 0 |

# Truth Table 2I/1O

## Truth Table 7 2I/1O

**Truth Table - Input 1 Not connected**
**Truth Table - Input 2 Not connected**

**Logic**

| I1 | I2 | O1 |
|---|---|---|
| 0 | 0 | 0 |
| 0 | 1 | 0 |
| 1 | 0 | 0 |
| 1 | 1 | 0 |

## Truth Table 8 2I/1O

**Truth Table - Input 1 Not connected**
**Truth Table - Input 2 Not connected**

**Logic**

| I1 | I2 | O1 |
|---|---|---|
| 0 | 0 | 0 |
| 0 | 1 | 0 |
| 1 | 0 | 0 |
| 1 | 1 | 0 |

# Truth Table 5I/2O

## Truth Table 9 5I/2O

**Truth Table - Input 1 Not connected**
**Truth Table - Input 2 Not connected**
**Truth Table - Input 3 Not connected**
**Truth Table - Input 4 Not connected**
**Truth Table - Input 5 Not connected**

**Logic Output 1 Logic Output 2**

| I1 | I2 | I3 | I4 | I5 | O1 | O2 |
|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 0 | 0 | 0 | 1 | 1 | 0 | 0 |
| 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 0 | 0 | 1 | 0 | 1 | 0 | 0 |
| 0 | 0 | 1 | 1 | 0 | 0 | 0 |
| 0 | 0 | 1 | 1 | 1 | 0 | 0 |

| I1 | I2 | I3 | I4 | I5 | O1 | O2 |
|---|---|---|---|---|---|---|
| 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 0 | 1 | 0 | 0 | 1 | 0 | 0 |
| 0 | 1 | 0 | 1 | 0 | 0 | 0 |
| 0 | 1 | 0 | 1 | 1 | 0 | 0 |
| 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| 0 | 1 | 1 | 1 | 0 | 0 | 0 |
| 0 | 1 | 1 | 1 | 1 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| 1 | 0 | 0 | 1 | 0 | 0 | 0 |
| 1 | 0 | 0 | 1 | 1 | 0 | 0 |
| 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| 1 | 0 | 1 | 0 | 1 | 0 | 0 |
| 1 | 0 | 1 | 1 | 0 | 0 | 0 |
| 1 | 0 | 1 | 1 | 1 | 0 | 0 |
| 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 0 | 0 | 1 | 0 | 0 |
| 1 | 1 | 0 | 1 | 0 | 0 | 0 |
| 1 | 1 | 0 | 1 | 1 | 0 | 0 |
| 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 0 | 1 | 0 | 0 |
| 1 | 1 | 1 | 1 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 | 1 | 0 | 0 |

# Counter

## Counter 1

**Counter - Limit** 0
**Counter - Input +** Not connected
**Counter - Input -** Not connected
**Counter - Reset** Not connected

## Counter 2

**Counter - Limit** 0
**Counter - Input +** Not connected
**Counter - Input -** Not connected
**Counter - Reset** Not connected

## Counter 3

**Counter - Limit** 0
**Counter - Input +** Not connected
**Counter - Input -** Not connected
**Counter - Reset** Not connected

## Counter 4

**Counter - Limit** 0
**Counter - Input +** Not connected

| | |
|---|---|
| Counter - Input - | Not connected |
| Counter - Reset | Not connected |

# Timer

## Timer 1

| | |
|---|---|
| Timer - Type | with closing delay |
| Timer - Limit | 0,0 s |
| Timer - Input | Not connected |
| Timer - Reset | Not connected |

## Timer 2

| | |
|---|---|
| Timer - Type | with closing delay |
| Timer - Limit | 0,0 s |
| Timer - Input | Not connected |
| Timer - Reset | Not connected |

## Timer 3

| | |
|---|---|
| Timer - Type | with closing delay |
| Timer - Limit | 0,0 s |
| Timer - Input | Not connected |
| Timer - Reset | Not connected |

## Timer 4

| | |
|---|---|
| Timer - Type | with closing delay |
| Timer - Limit | 0,0 s |
| Timer - Input | Not connected |
| Timer - Reset | Not connected |

# Signal Conditioner

## Signal Conditioner 1

| | |
|---|---|
| Signal Conditioner - Type | non inverting |
| Signal Conditioner - Input | Not connected |
| Signal Conditioner - Reset | Not connected |

## Signal Conditioner 2

| | |
|---|---|
| Signal Conditioner - Type | non inverting |
| Signal Conditioner - Input | Not connected |
| Signal Conditioner - Reset | Not connected |

## Signal Conditioner 3

| | |
|---|---|
| Signal Conditioner - Type | non inverting |

| | |
|---|---|
| Signal Conditioner - Input | Not connected |
| Signal Conditioner - Reset | Not connected |

### Signal Conditioner 4

| | |
|---|---|
| Signal Conditioner - Type | non inverting |
| Signal Conditioner - Input | Not connected |
| Signal Conditioner - Reset | Not connected |

## Non-Volatile Element

### Non-Volatile Element 1

| | |
|---|---|
| Non-Volatile Element - Type | non inverting |
| Non-Volatile Element - Input | Not connected |
| Non-Volatile Element - Reset | Not connected |

### Non-Volatile Element 2

| | |
|---|---|
| Non-Volatile Element - Type | non inverting |
| Non-Volatile Element - Input | Not connected |
| Non-Volatile Element - Reset | Not connected |

### Non-Volatile Element 3

| | |
|---|---|
| Non-Volatile Element - Type | non inverting |
| Non-Volatile Element - Input | Not connected |
| Non-Volatile Element - Reset | Not connected |

### Non-Volatile Element 4

| | |
|---|---|
| Non-Volatile Element - Type | non inverting |
| Non-Volatile Element - Input | Not connected |
| Non-Volatile Element - Reset | Not connected |

## Flashing

### Flashing 1

| | |
|---|---|
| Flashing - Input | Not connected |

### Flashing 2

| | |
|---|---|
| Flashing - Input | Not connected |

### Flashing 3

| | |
|---|---|
| Flashing - Input | Not connected |

# Flickering

## Flickering 1

| | |
|---|---|
| Flickering - Input | Not connected |

## Flickering 2

| | |
|---|---|
| Flickering - Input | Not connected |

## Flickering 3

| | |
|---|---|
| Flickering - Input | Not connected |

# Limit Monitor

| | |
|---|---|
| Hysteresis for Limit Monitors | 5 % of adjusted level |

## Limit Monitor 1

| | |
|---|---|
| Limit Monitor - Input | Not connected |
| Type | > (Overshoot) |
| Activity | always (on) |
| Limit | 0 |
| Delay | 0,5 s |
| Marking | |

## Limit Monitor 2

| | |
|---|---|
| Limit Monitor - Input | Not connected |
| Type | > (Overshoot) |
| Activity | always (on) |
| Limit | 0 |
| Delay | 0,5 s |
| Marking | |

## Limit Monitor 3

| | |
|---|---|
| Limit Monitor - Input | Not connected |
| Type | > (Overshoot) |
| Activity | always (on) |
| Limit | 0 |
| Delay | 0,5 s |
| Marking | |

## Limit Monitor 4

| | |
|---|---|
| Limit Monitor - Input | Not connected |
| Type | > (Overshoot) |
| Activity | always (on) |

| | |
|---|---|
| Limit | 0 |
| Delay | 0,5 s |
| Marking | |

# Calculation modules

## Calculation module 1

| | |
|---|---|
| Calculation module 1 - input | Cyclic Receive - Analog Value |
| Calculation module 1 - numerator | 1 |
| Calculation module 1 - denominator | 100 |
| Calculation module 1 - offset | 0 |

## Calculation module 2

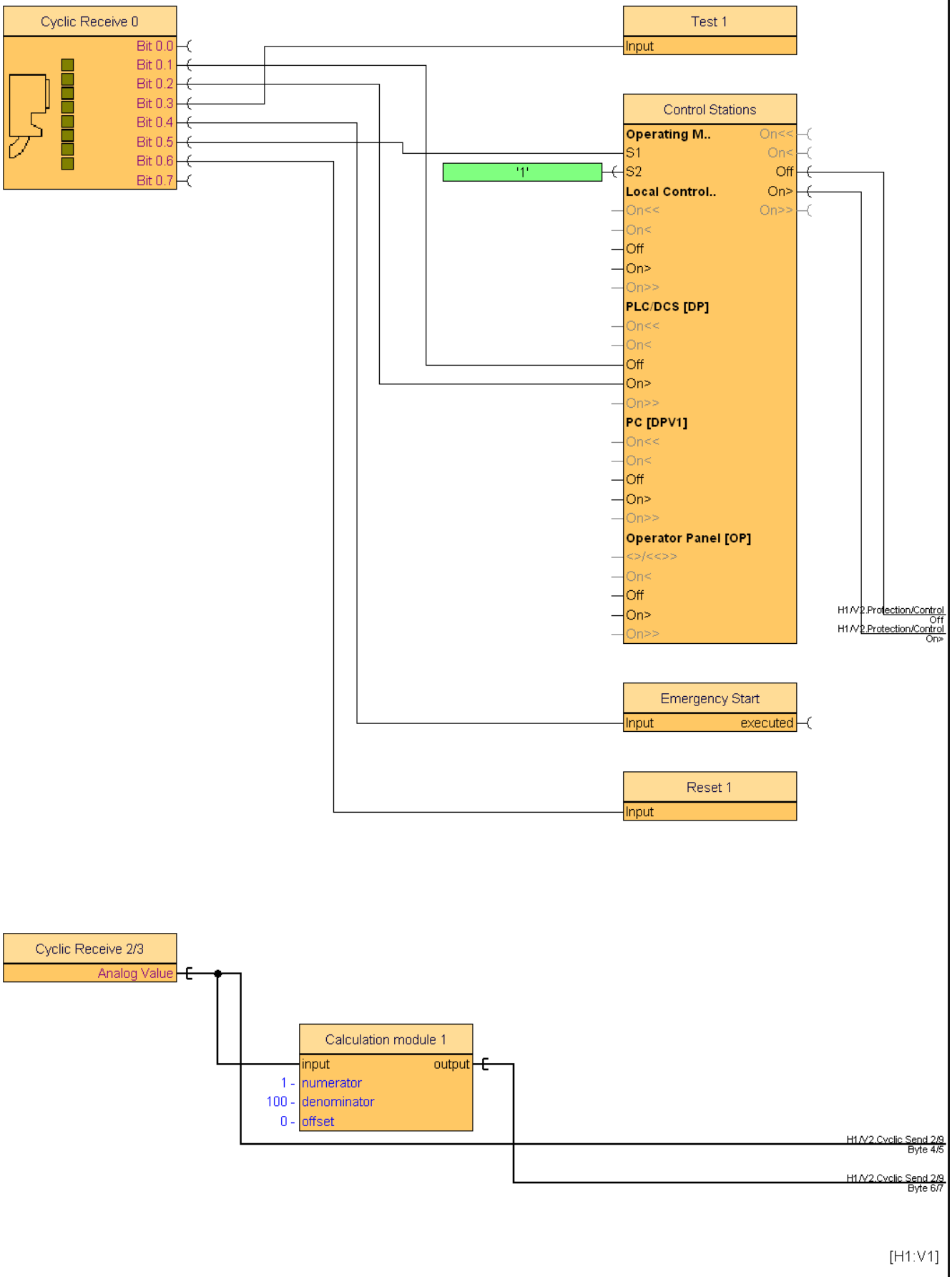
| | |
|---|---|
| Calculation module 2 - operation mode | Both inputs of type word |
| Calculation module 2 - input 1 | Not connected |
| Calculation module 2 - numerator 1 | 0 |
| Calculation module 2 - denominator 1 | 0 |
| Calculation module 2 - operator | + (Addition) |
| Calculation module 2 - input 2 | Not connected |
| Calculation module 2 - numerator 2 | 0 |
| Calculation module 2 - denominator 2 | 0 |
| Calculation module 2 - offset | 0 |

# 3UF50 - Compatibility Mode

| | |
|---|---|
| 3UF50 - Compatibility Mode | 0 |
| 3UF50 - Operating Mode | DPV0 |
| 3UF50 - Basic Type | 1 |

# Analog Value Recording

| | |
|---|---|
| Trigger input | Not connected |
| Assigned analog value | Not connected |
| Trigger edge | positive |
| Sampling rate | 0,1 s |
| Pre-trigger | 0 % |

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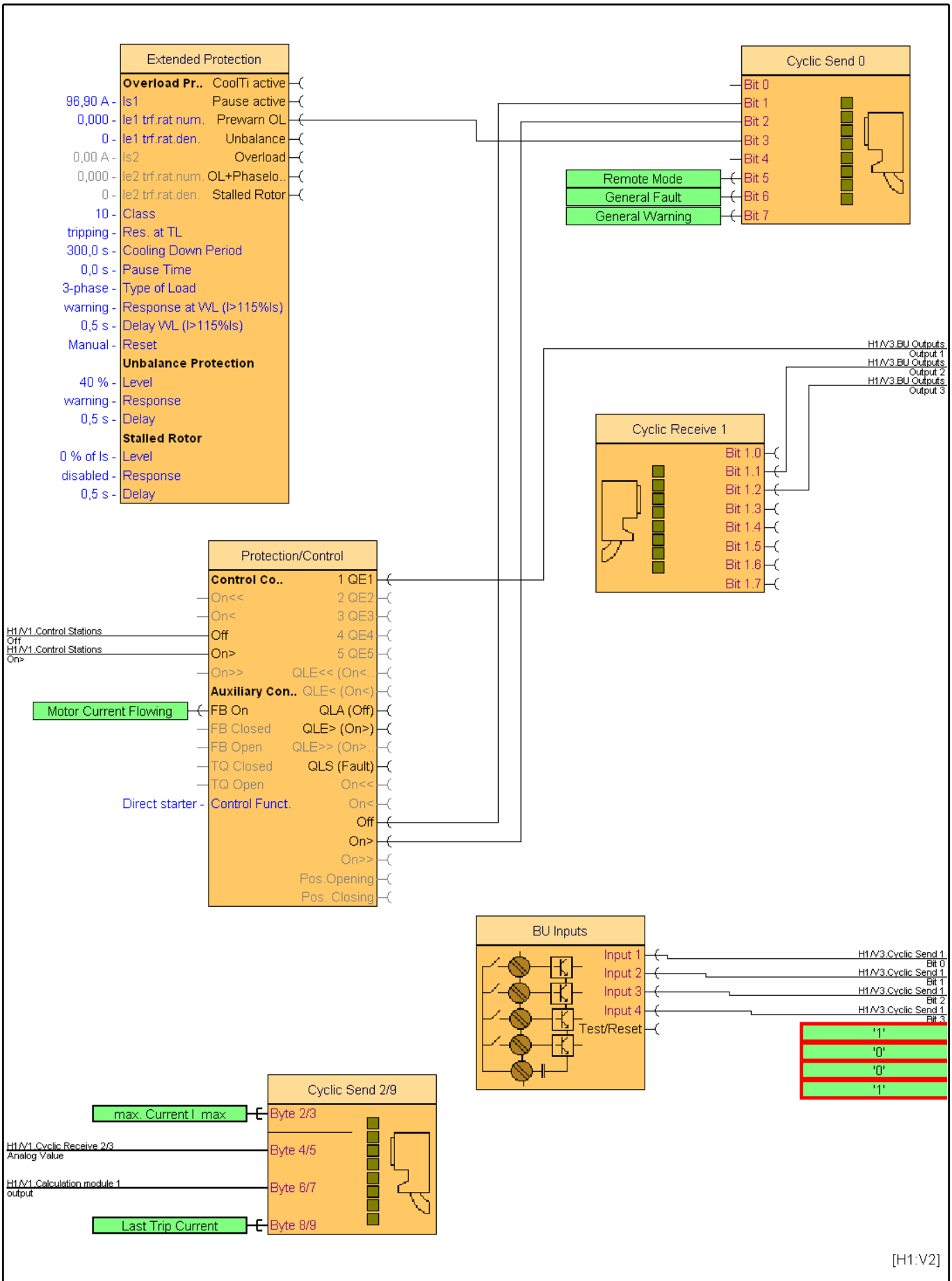
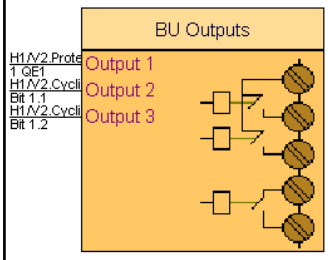
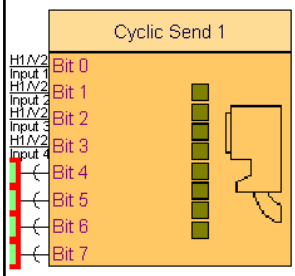
| Owner: | Created by: | Title: | Item no.: | | | |
| | Approved by: | | Mod.: | Issue date: | Lang.: en | Page: 26/28 |


Extended Protection
Overload Pr..
96,90 A - Is1
0,000 - Ie1 trf.rat num.
0 - Ie1 trf.rat.den.
0,00 A - Is2
0,000 - Ie2 trf.rat.num.
0 - Ie2 trf.rat.den.
10 - Class
tripping - Res. at TL
300,0 s - Cooling Down Period
0,0 s - Pause Time
3-phase - Type of Load
warning - Response at WL (I>115%Is)
0,5 s - Delay WL (I>115%Is)
Manual - Reset
Unbalance Protection
40 % - Level
warning - Response
0,5 s - Delay
Stalled Rotor
0 % of Is - Level
disabled - Response
0,5 s - Delay
CoolTi active
Pause active
Prewarn OL
Unbalance
Overload
OL+Phaselo..
Stalled Rotor
Cyclic Send 0
Bit 0
Bit 1
Bit 2
Bit 3
Bit 4
Bit 5
Bit 6
Bit 7
Remote Mode
General Fault
General Warning
H1.V3.BU Outputs Output 1
H1.V3.BU Outputs Output 2
H1.V3.BU Outputs Output 3
Cyclic Receive 1
Bit 1.0
Bit 1.1
Bit 1.2
Bit 1.3
Bit 1.4
Bit 1.5
Bit 1.6
Bit 1.7
Protection/Control
Control Co..
On<<
On<
Off
On>
On>>
Auxiliary Con..
FB On
FB Closed
FB Open
TQ Closed
TQ Open
Direct starter - Control Funct.
1 QE1
2 QE2
3 QE3
4 QE4
5 QE5
QLE<< (On<..
QLE< (On<)
QLA (Off)
QLE> (On>)
QLE>> (On>..
QLS (Fault)
On<<
On<
Off
On>
On>>
Pos.Opening
Pos. Closing
H1.V1.Control Stations Off
H1.V1.Control Stations On>
Motor Current Flowing
BU Inputs
Input 1
Input 2
Input 3
Input 4
Test/Reset
H1.V3.Cyclic Send 1 Bit 0
H1.V3.Cyclic Send 1 Bit 1
H1.V3.Cyclic Send 1 Bit 2
H1.V3.Cyclic Send 1 Bit 3
'1'
'0'
'0'
'1'
Cyclic Send 2/9
max. Current I_max
H1.V1.Cyclic Receive 2/3 Analog Value
H1.V1.Calculation module 1 output
Last Trip Current
Byte 2/3
Byte 4/5
Byte 6/7
Byte 8/9
[H1:V2]


BU Outputs
H1.V2.Prote
1 QE1
H1.V2.Cycli
Bit 1.1
H1.V2.Cycli
Bit 1.2
Output 1
Output 2
Output 3


Cyclic Send 1
H1.V2
Input 1
H1.V2
Input 2
H1.V2
Input 3
H1.V2
Input 4
Bit 0
Bit 1
Bit 2
Bit 3
Bit 4
Bit 5
Bit 6
Bit 7

[H1:V3]