
THORWARE Simocode Pro DTM

CONFIGURATION

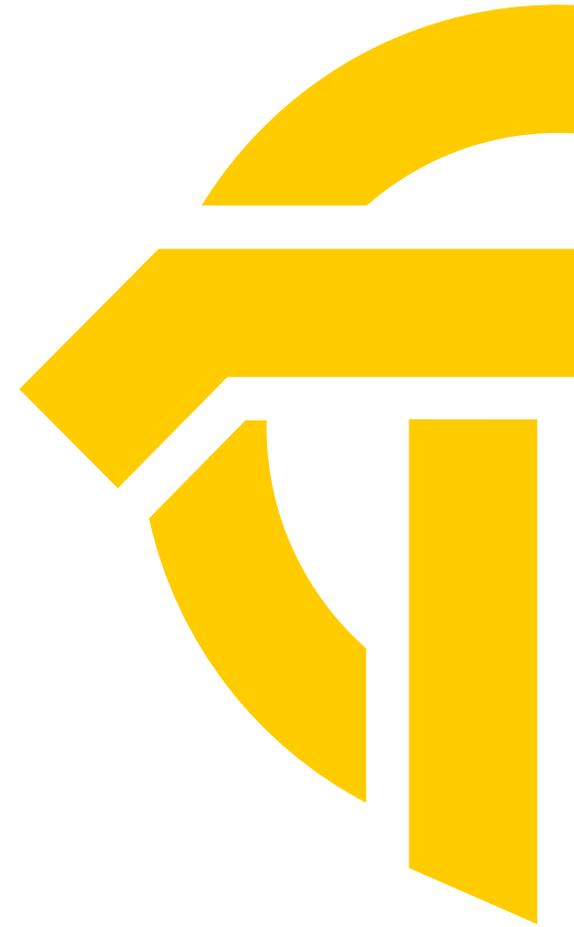


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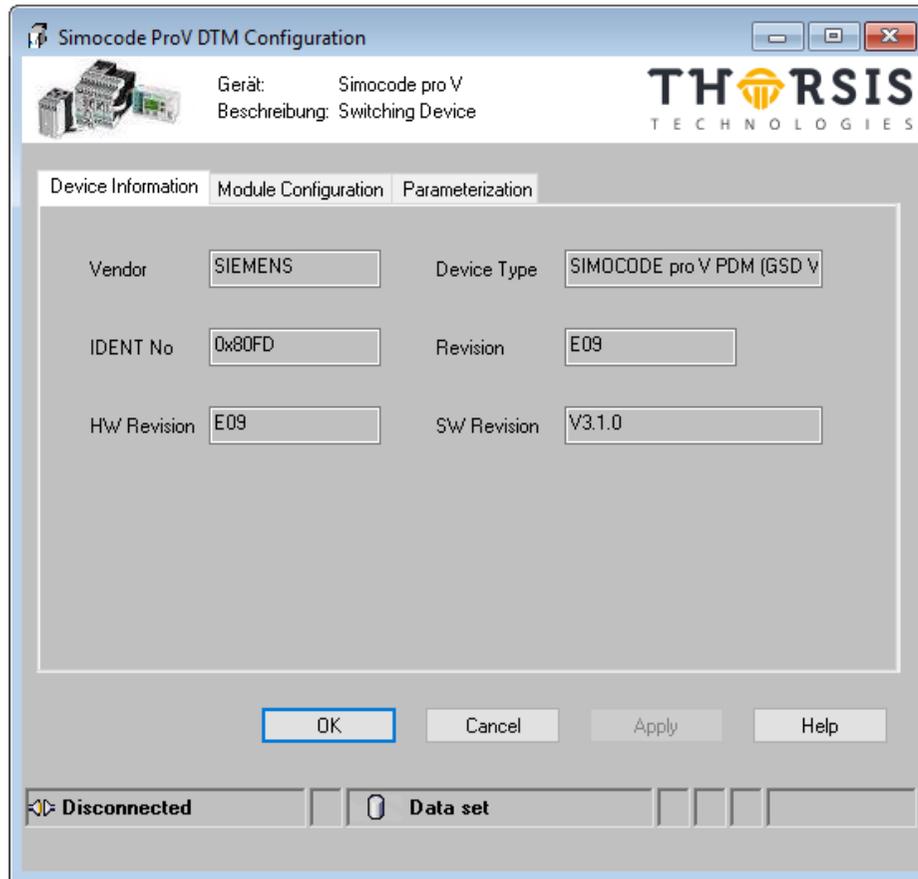


contents

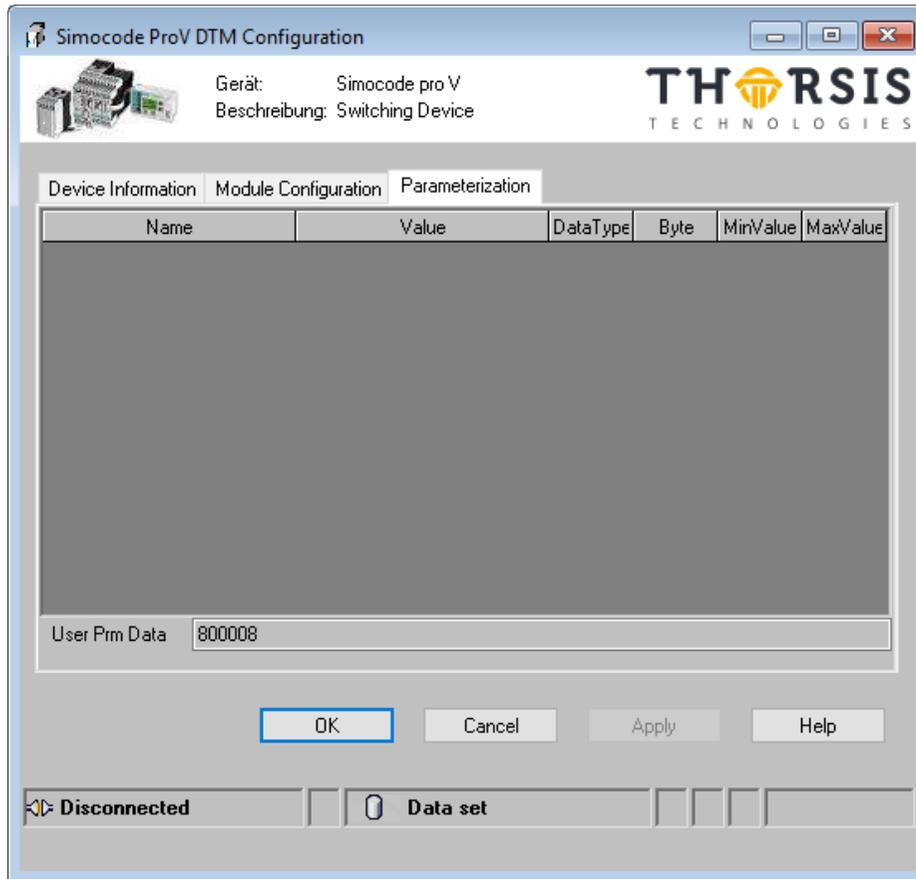
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1. Configuration

1.1 Device Information



1.3 Parameterization



1.3.1 Identification – Device

Simocode ProV DTM # Online parameterization

Device: Simocode pro V
Description: Switching Device

THORSIS
TECHNOLOGIES

Identification

- Device
 - Marking
- Device Configuration
 - Bus Parameters
- Motor Protection
 - Overload/Unbalance/
- Motor Control
 - Control Station
 - Control Function
- Monitoring Functions
 - Inputs
 - Outputs
 - Basic Unit
 - Cyclic Send Data
 - Acyclic Send Data
- Standard Functions
- Logic Modules
 - 3UF50 - Compatibility Mo
 - Analog Value Recording

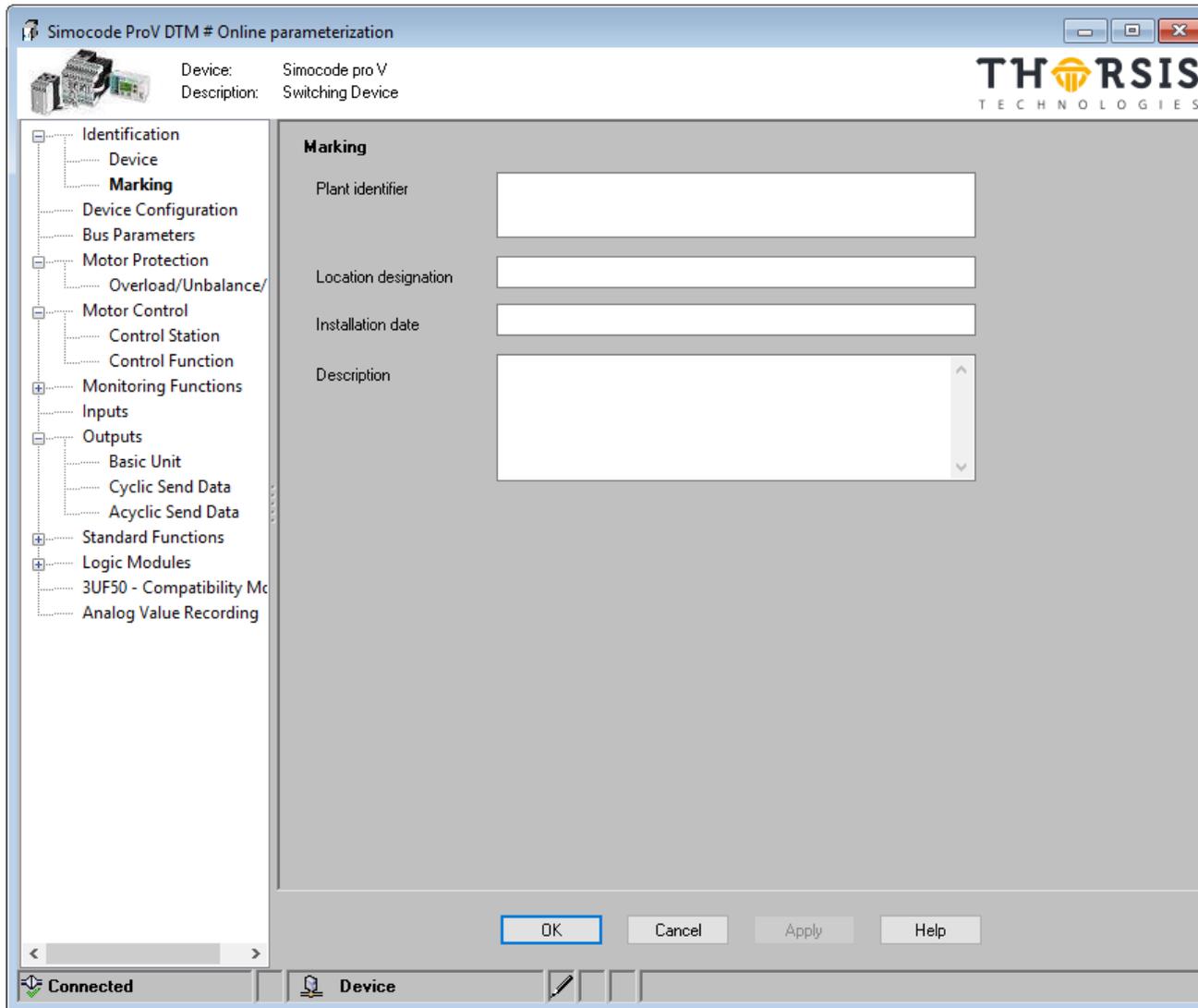
Device

Order number	3UF7 010-1AU00-0
Short code	SIMOCODE pro V
Manufacturer	SIEMENS
PNO Profil	Low voltage switchgear
Device family	Load feeder
Device subfamily	Motor Management System
Device class	SIMOCODE pro V
Identification number	80FD
HW Release	E04
Software Revision	V2.0.1
Revision counter	0
IaM version	
Supported IaM data	
Timestamp	

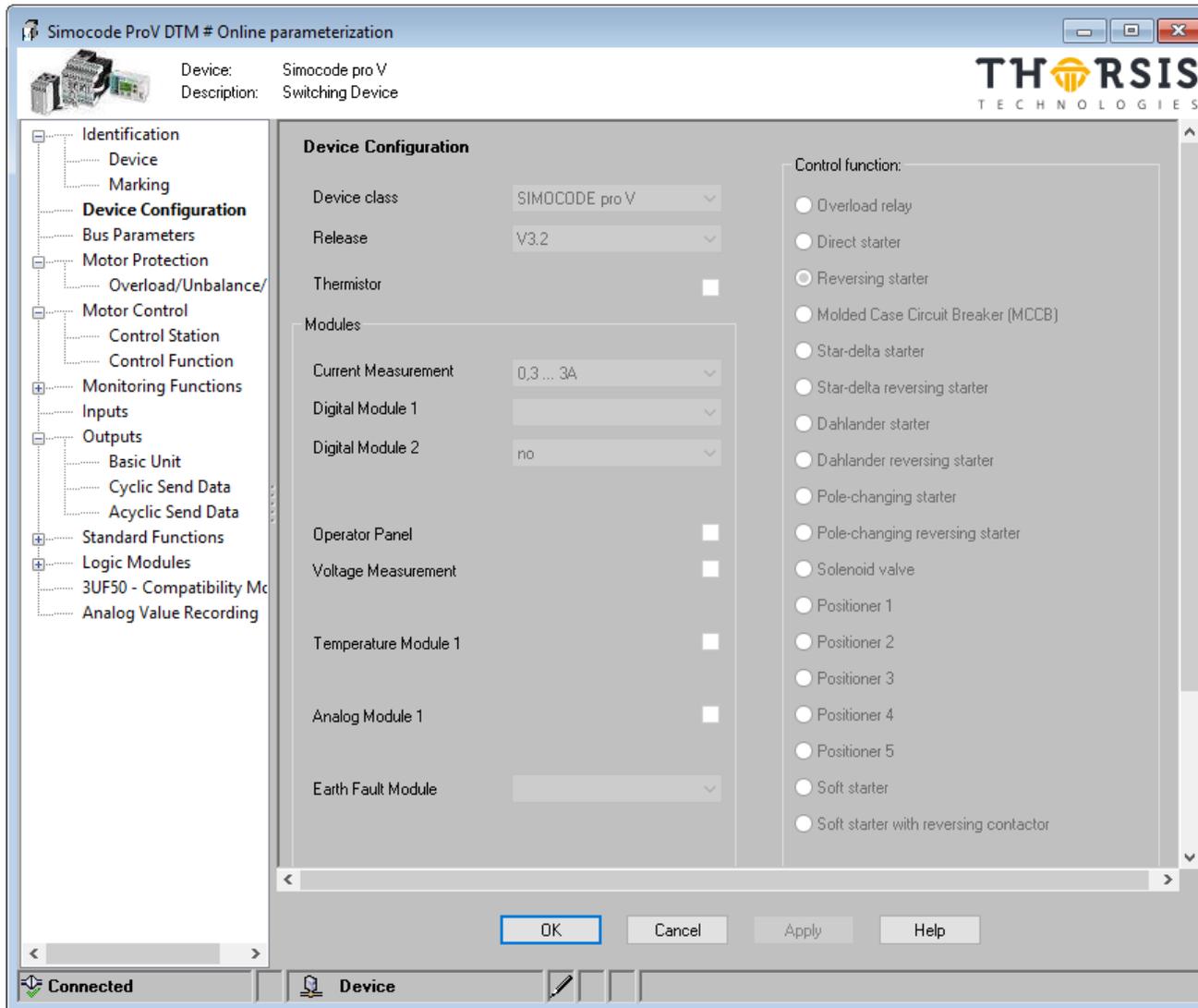
OK Cancel Apply Help

Connected Device

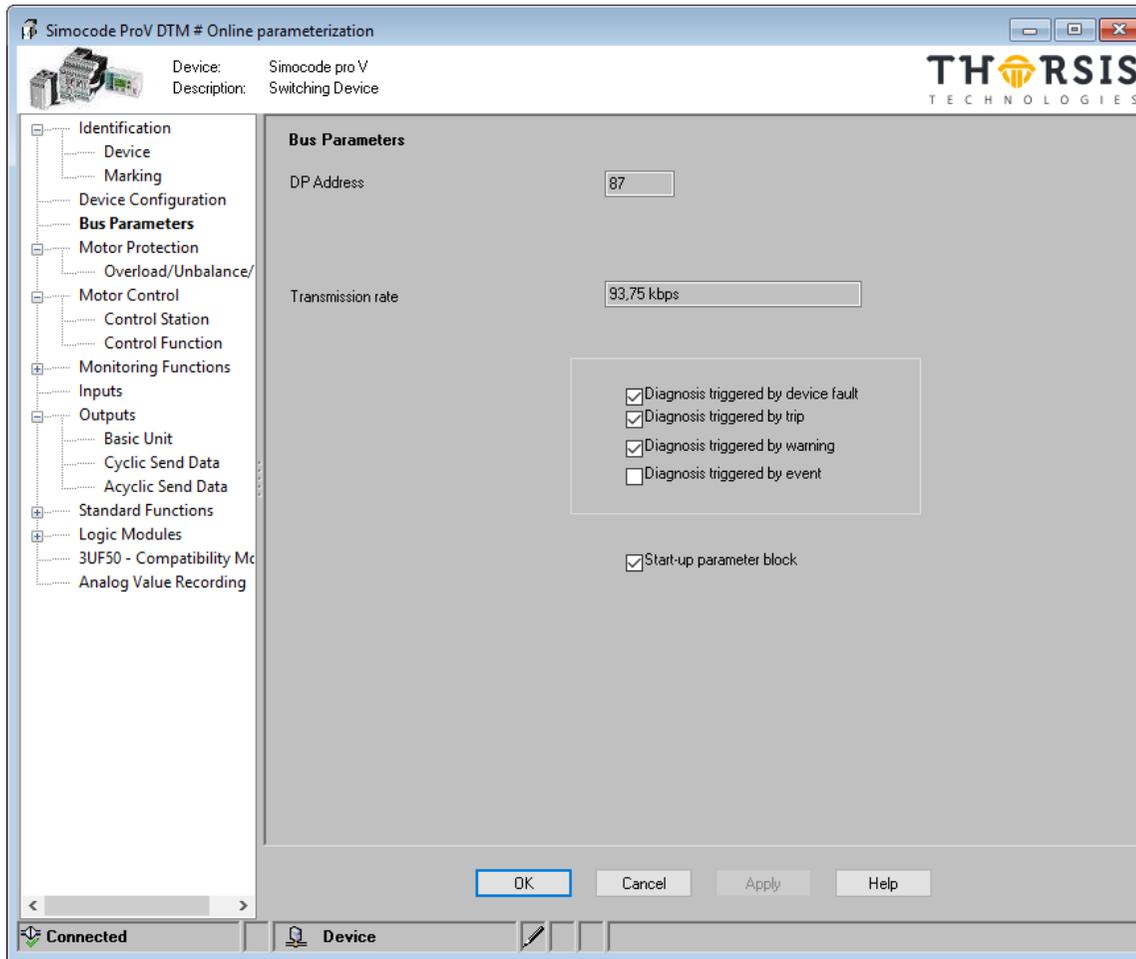
1.3.2 Identification – Marking



1.3.3 Device Configuration



1.3.4 Bus Parameters



1.3.5 Motor Protection – Overload/Unbalance/Stall

The screenshot displays the 'Simocode ProV DTM # Online parameterization' window. The interface includes a tree view on the left, a main configuration area, and a status bar at the bottom.

Device Information:
Device: Simocode pro V
Description: Switching Device

THORWARE TECHNOLOGIES

Left Tree View:

- Identification
 - Device
 - Marking
- Device Configuration
 - Bus Parameters
- Motor Protection
 - Overload/Unbalance**
 - Motor Control
 - Control Station
 - Control Function
- Monitoring Functions
 - Inputs
 - Outputs
 - Basic Unit
 - Cyclic Send Data
 - Acyclic Send Data
- Standard Functions
 - Logic Modules
 - 3UF50 - Compatibility M...
 - Analog Value Recording

Overload/Unbalance/Stall Configuration:

Overload Protection

- Set Current Is1: 0,30 A
- le1 transformer ratio - active: (proV from *E03*)

Unbalance Protection

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

Stalled Rotor

- Level: 0 % / Ie
- Response: disabled
- Delay: 0,5 s

General Settings:

- 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 (>115%Is): warning
- Pre-Alarm Delay (>115%Is): 0,5 s
- Reset: Manual

Buttons: OK, Cancel, Apply, Help

Status Bar: Connected, Device

1.3.6 Motor Control – Control Station

Simocode ProV DTM # Online parameterization

Device: Simocode pro V
Description: Switching Device

THORSIS TECHNOLOGIES

Control Station

Operation Mode Selector

Cyclic Receive - Bit 0.5

Fixed Level '1'

Local Control [LC]

Local 1 Local 2 Local 3 Remote

On < On (released)

Off Off (released)

On > On (released)

Off Off (released)

PLC/DCS [DP]

Cyclic Receive - Bit 0.0

Cyclic Receive - Bit 0.1

Cyclic Receive - Bit 0.2

On < On (released)

Off Off (released)

On > On (released)

Off Off (released)

PC [DPV1]

On < On (released)

Off Off (released)

On > On (released)

Off Off (released)

Operator Panel [OP]

On < On (released)

Off Off (released)

On > On (released)

Off Off (released)

released control command

On <<

On <

On >

On >>

OK Cancel Apply Help

Connected Device

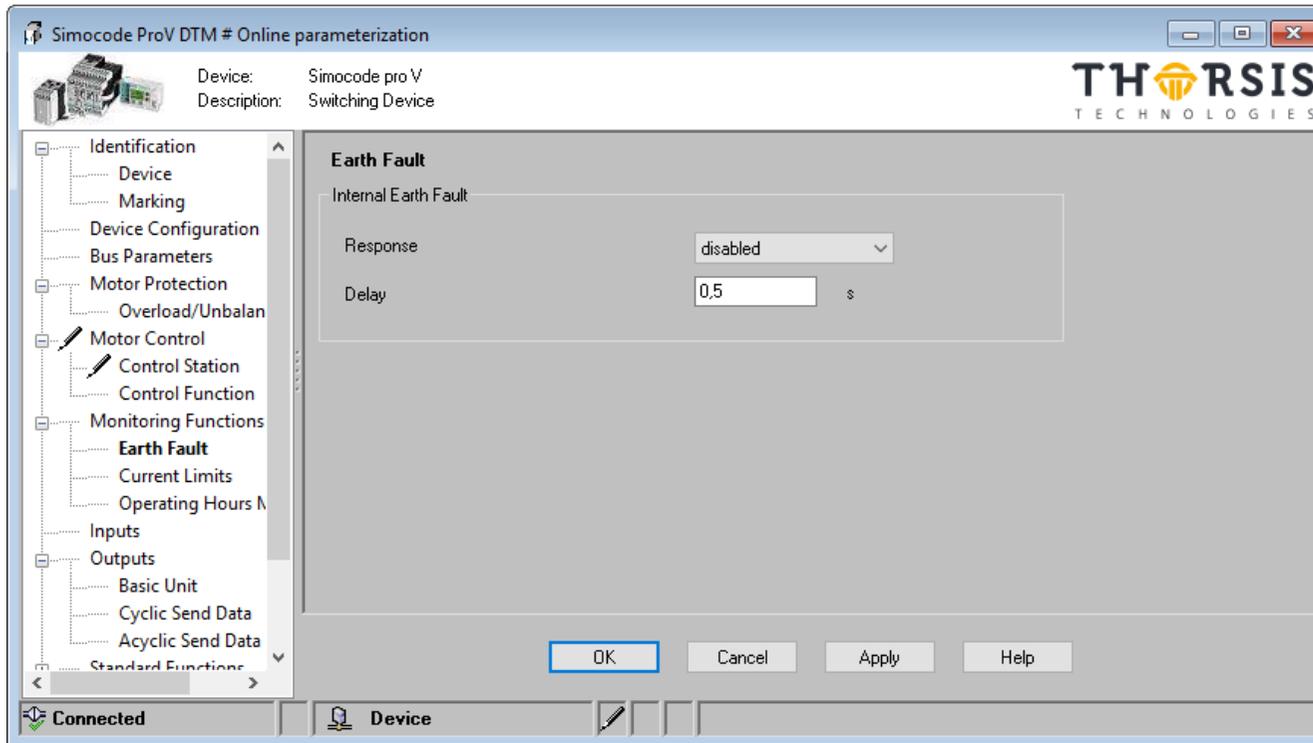
1.3.7 Motor Control – Control Function

The screenshot displays the 'Simocode ProV DTM # Online parameterization' window. At the top left, there is a small image of the device and the text 'Device: Simocode pro V' and 'Description: Switching Device'. The THORSIS TECHNOLOGIES logo is in the top right corner. A tree view on the left side shows the navigation structure, with 'Control Function' selected under 'Motor Control'. The main area is titled 'Control Function' and contains several sections:

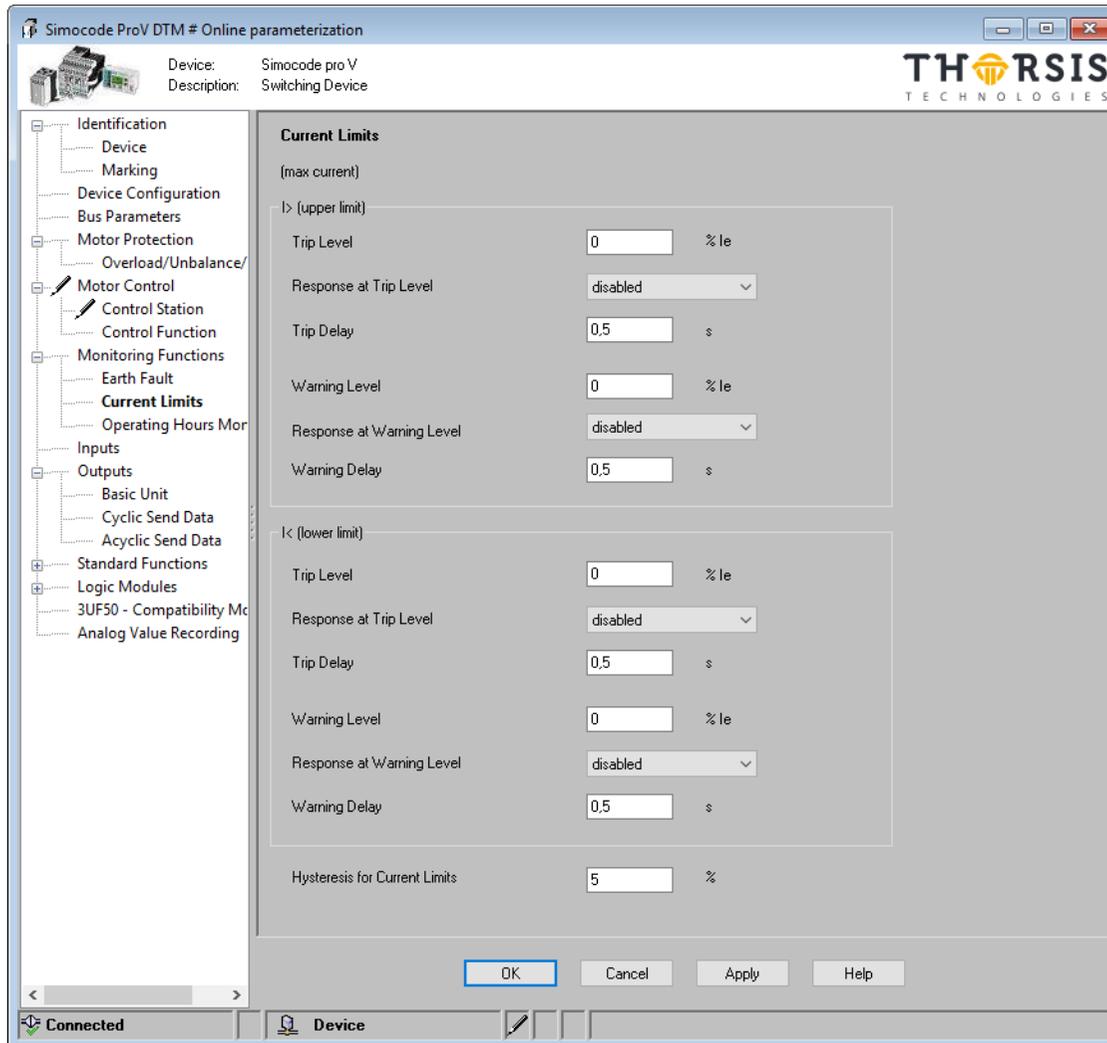
- Operating Mode:** Includes checkboxes for 'Non-Maintained Command' and 'Saving Change-Over Command', both currently unchecked. A dropdown menu for 'Type of Consumer Load' is set to 'Motor'.
- Control Function:** Contains three dropdown menus for 'On <', 'Off', and 'On >', all set to 'Released Control Command - On<'. The 'On >' dropdown is set to 'Released Control Command - On>'.
- Auxiliary Control Inputs:** A dropdown menu for 'Feedback On' is set to 'Status - Motor Current Flowing'.
- Timings:** Three input fields for 'Feedback Time' (0,5 s), 'Execution Time' (1,0 s), and 'Interlocking Time' (0 s).

At the bottom of the window, there are buttons for 'OK', 'Cancel', 'Apply', and 'Help'. The status bar at the very bottom shows 'Connected' and 'Device'.

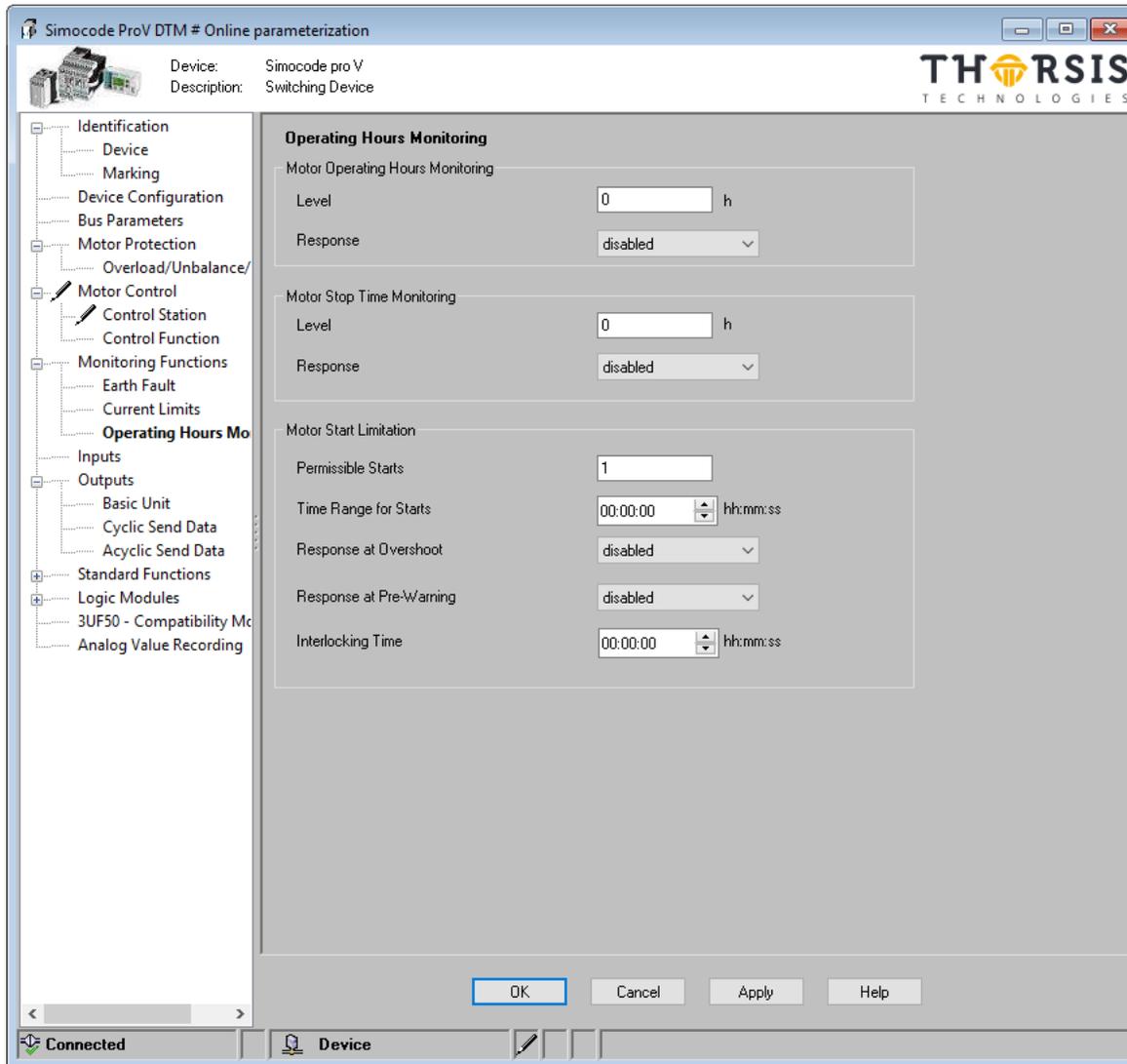
1.3.8 Monitoring Functions – Earth Fault



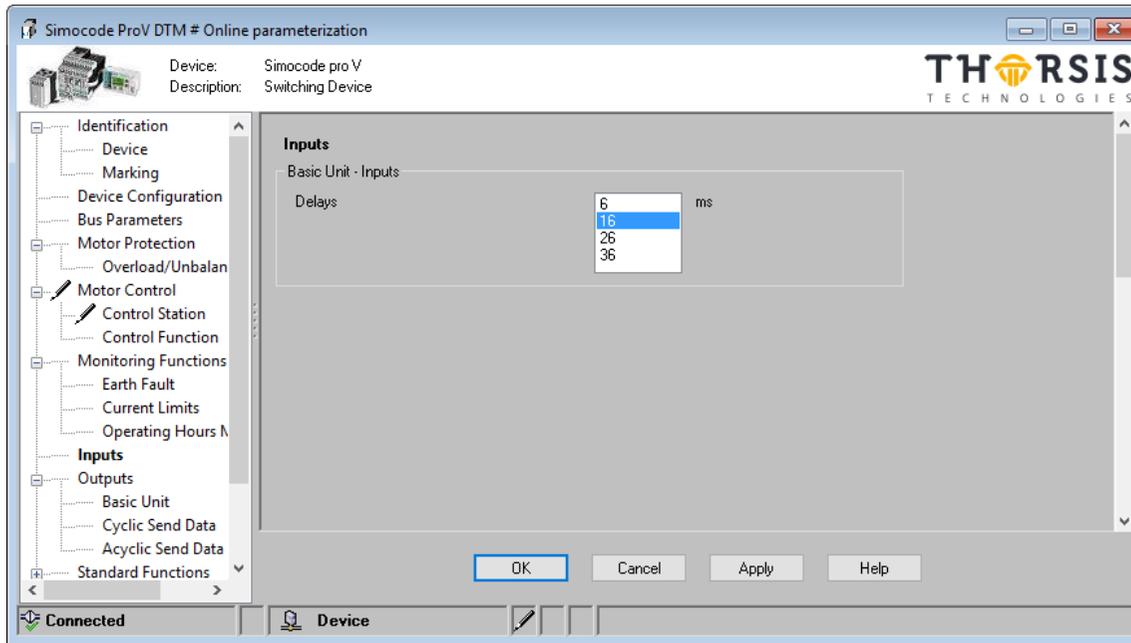
1.3.9 Monitoring Functions – Current Limits



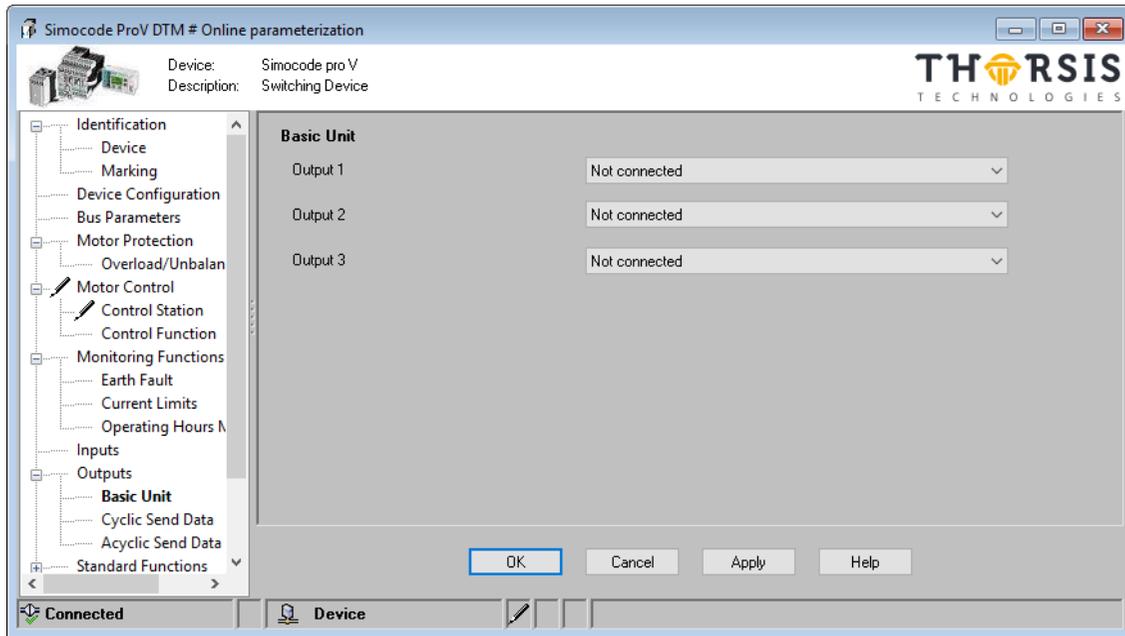
1.3.10 Monitoring Functions – Operating Hours Monitoring



1.3.11 Inputs



1.3.12 Outputs – Basic Unit



1.3.13 Outputs – Cyclic Send Data

The screenshot shows the 'Simocode ProV DTM # Online parameterization' window. The device is identified as 'Simocode pro V' and 'Switching Device'. The left-hand tree view is expanded to 'Outputs' > 'Cyclic Send Data'. The main area displays the following configuration:

Bit	Byte 0	Byte 1
Bit 0	Status - On<	Not connected
Bit 1	Status - Off	Not connected
Bit 2	Status - On>	Not connected
Bit 3	Event - Pre-Warning Overload (>115%Is)	Not connected
Bit 4	Status - Interlocking Time active	Not connected
Bit 5	Status - Remote Mode	Not connected
Bit 6	Status - General Fault	Not connected
Bit 7	Status - General Warning	Not connected

Below the bit settings, there are additional byte settings:

- Byte 2/3: max. Current I_max
- Byte 4/5: Not Connected
- Byte 6/7: Not Connected
- Byte 8/9: Not Connected

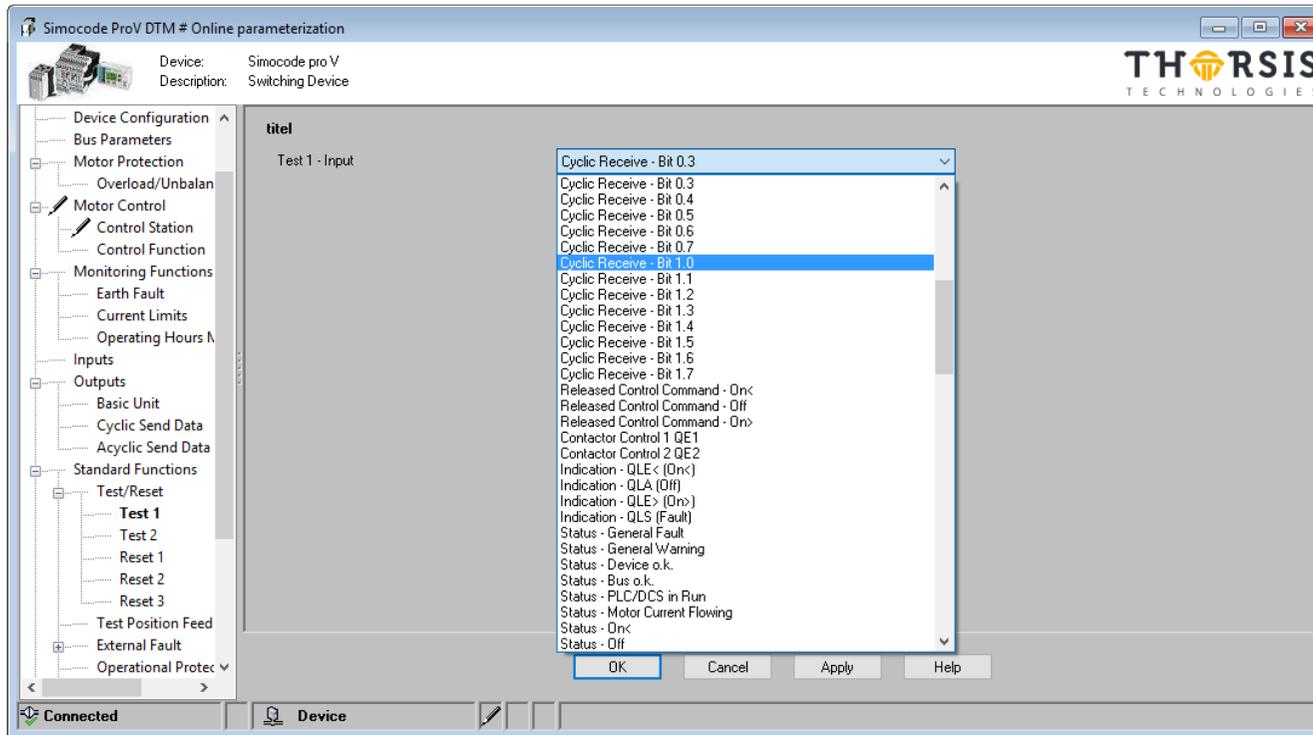
At the bottom of the window, there are buttons for 'OK', 'Cancel', 'Apply', and 'Help'. The status bar at the very bottom shows 'Connected' and 'Device'.

1.3.14 Outputs – Acyclic Send Data

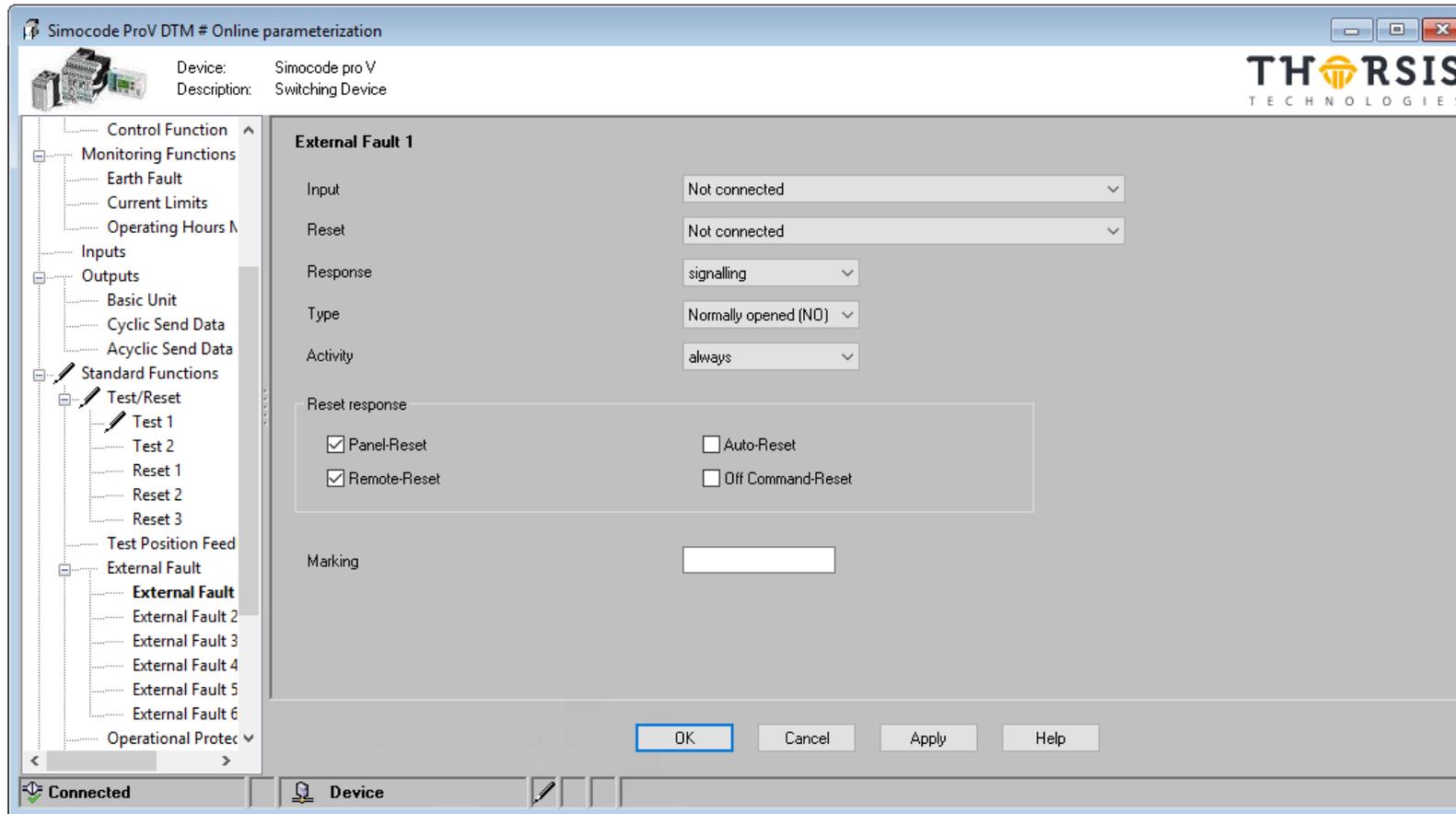
The screenshot shows the 'Simocode ProV DTM # Online parameterization' window. The device is identified as 'Simocode pro V' with the description 'Switching Device'. The left-hand tree view is expanded to 'Outputs' > 'Acyclic Send Data'. The main area displays a table for configuring bits 0 through 7, grouped into Byte 0 and Byte 1. All bits are currently set to 'Not connected'. The status bar at the bottom indicates 'Connected' and 'Device'.

	Byte 0	Byte 1
Bit 0	Not connected	Not connected
Bit 1	Not connected	Not connected
Bit 2	Not connected	Not connected
Bit 3	Not connected	Not connected
Bit 4	Not connected	Not connected
Bit 5	Not connected	Not connected
Bit 6	Not connected	Not connected
Bit 7	Not connected	Not connected

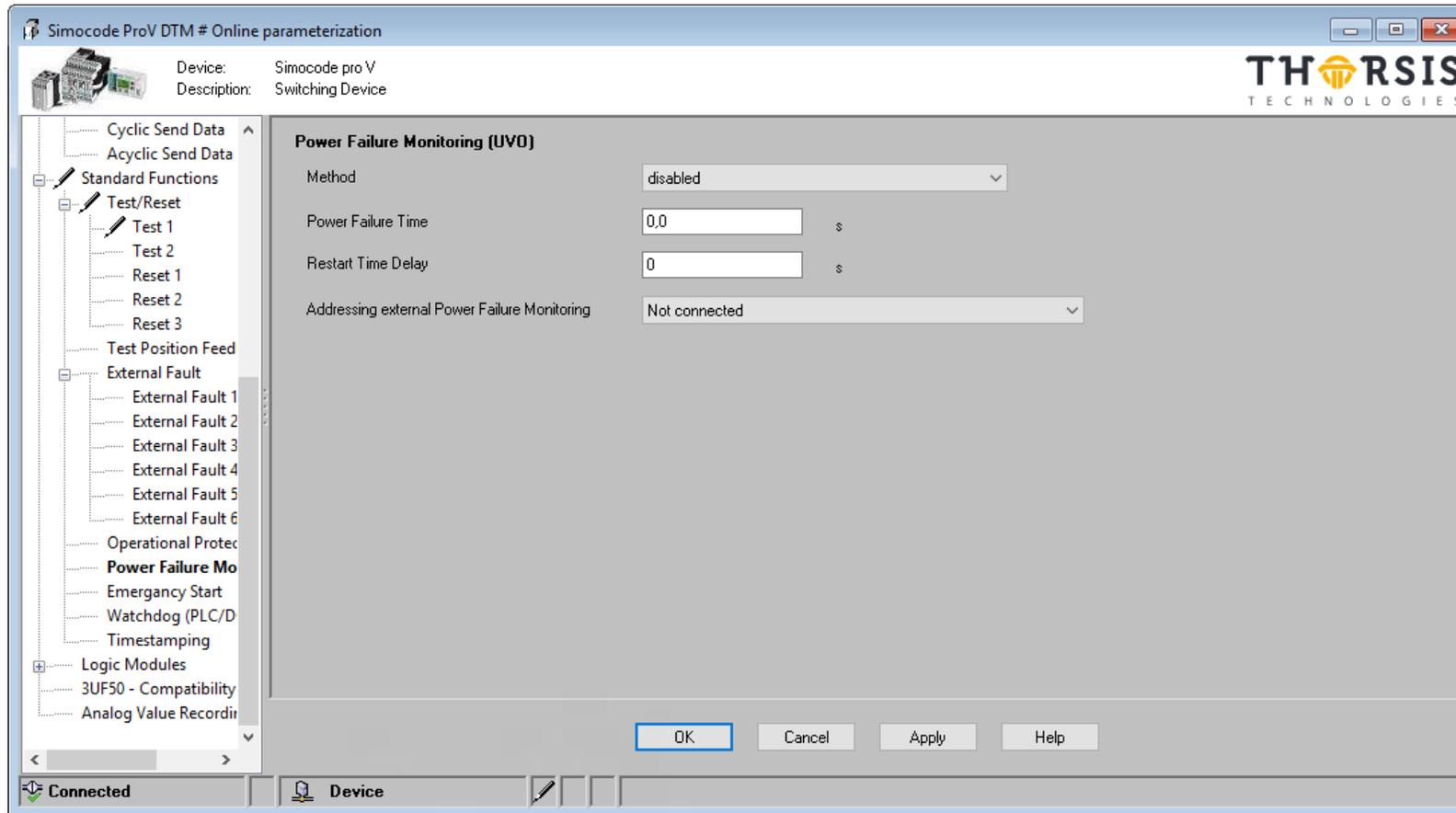
1.3.15 Standard Functions – Test



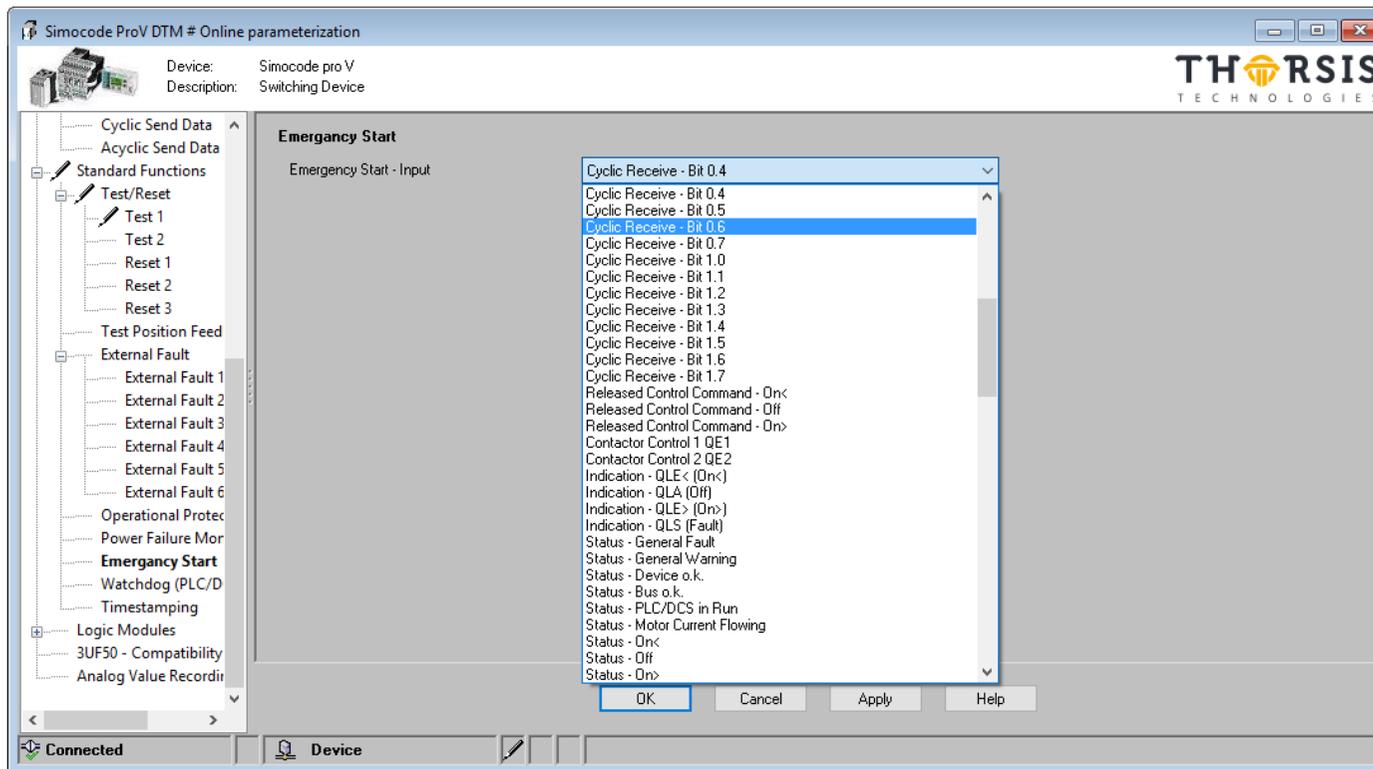
1.3.16 Standard Functions – External Fault



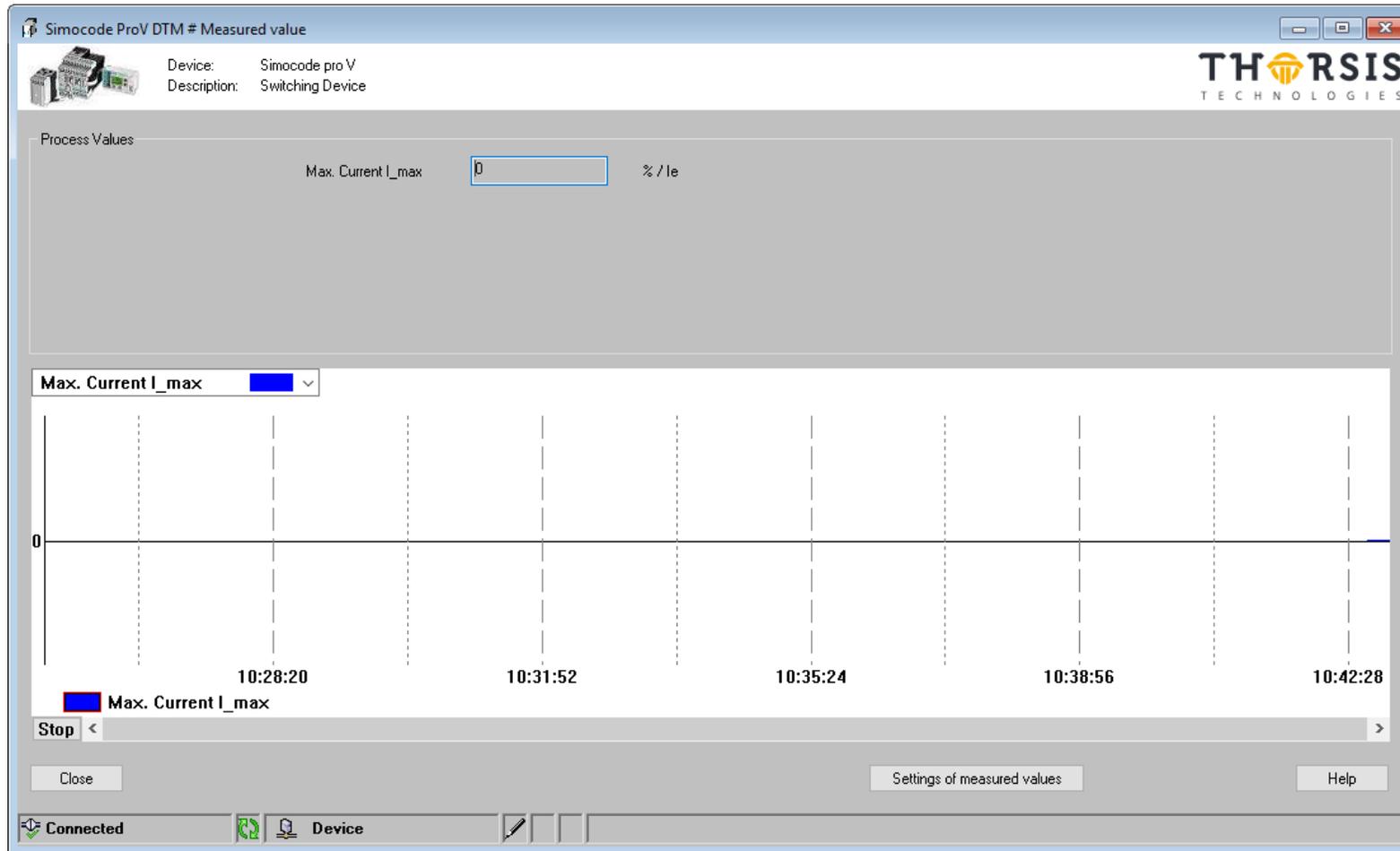
1.3.17 Standard Functions – Power Failure Monitoring



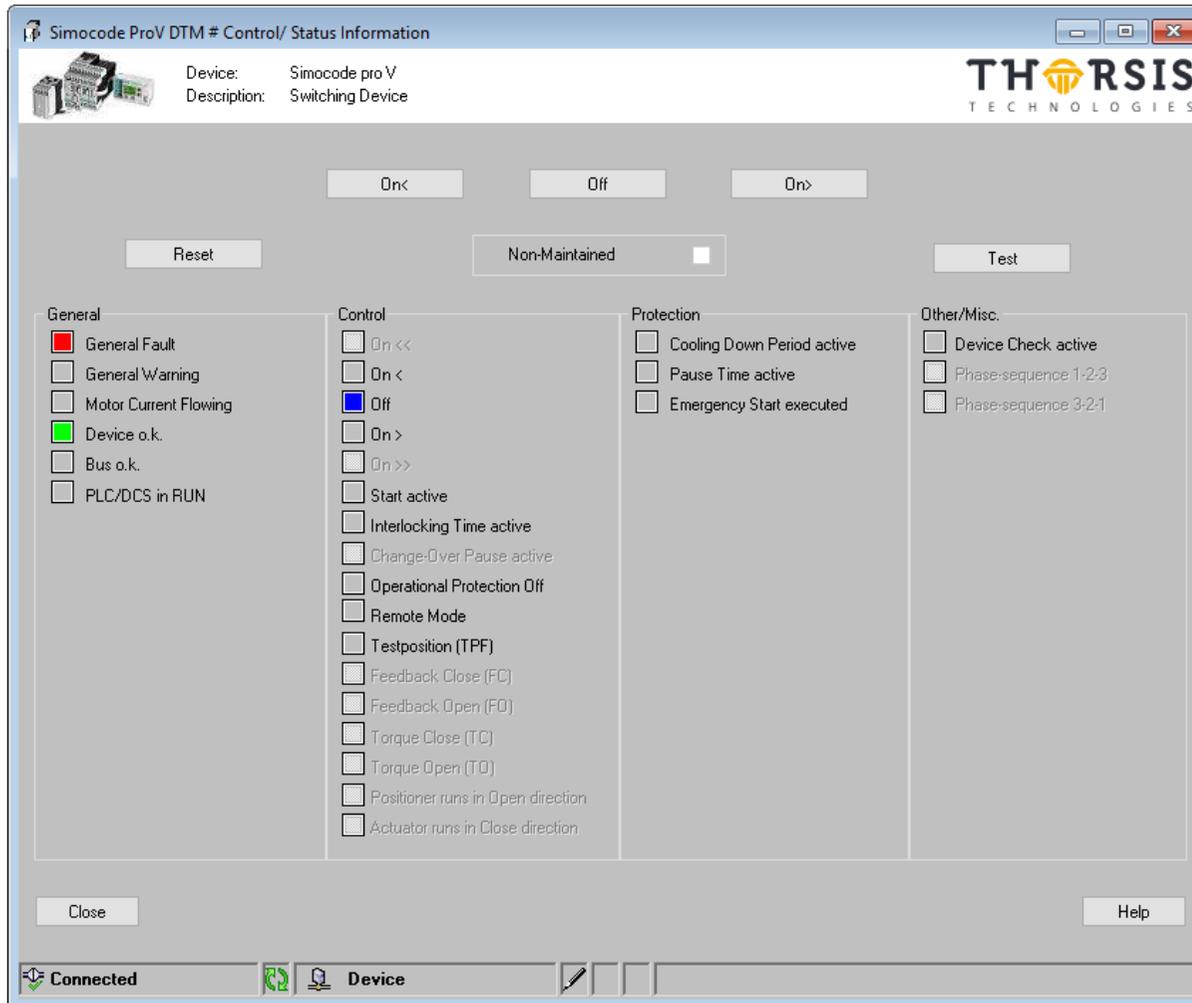
1.3.18 Standard Functions – Emergency Start



2. Measured Value



3. Control / Status Information



4. Test

Simocode ProV DTM # Test

Device: Simocode pro V
Description: Switching Device

THORSIS TECHNOLOGIES

Read function block - output

Not connected	0

Read and set function block - input

Control Station - Mode Selector S1	0	0	1
Control Station - Mode Selector S1	0	0	1
Control Station - Mode Selector S1	0	0	1
Control Station - Mode Selector S1	0	0	1
Control Station - Mode Selector S1	0	0	1
Control Station - Mode Selector S1	0	0	1
Control Station - Mode Selector S1	0	0	1
Control Station - Mode Selector S1	0	0	1

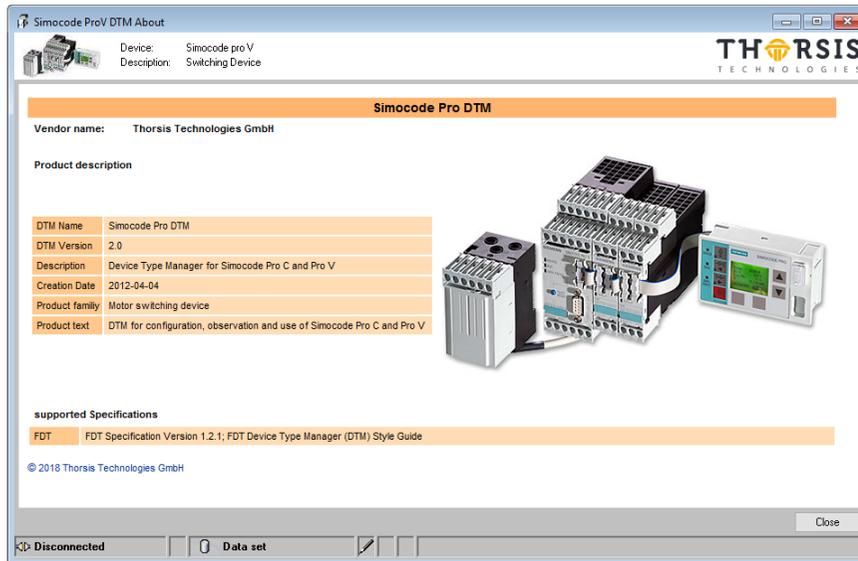
Read and set analog function block - input

Cyclic Send Data - Byte 2/3 (Analog Value)	0	Set
Cyclic Send Data - Byte 2/3 (Analog Value)	0	Set
Cyclic Send Data - Byte 2/3 (Analog Value)	0	Set
Cyclic Send Data - Byte 2/3 (Analog Value)	0	Set

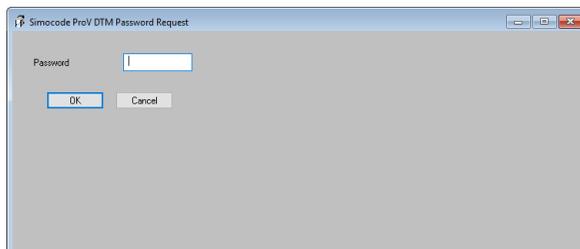
Close Help

Connected Device

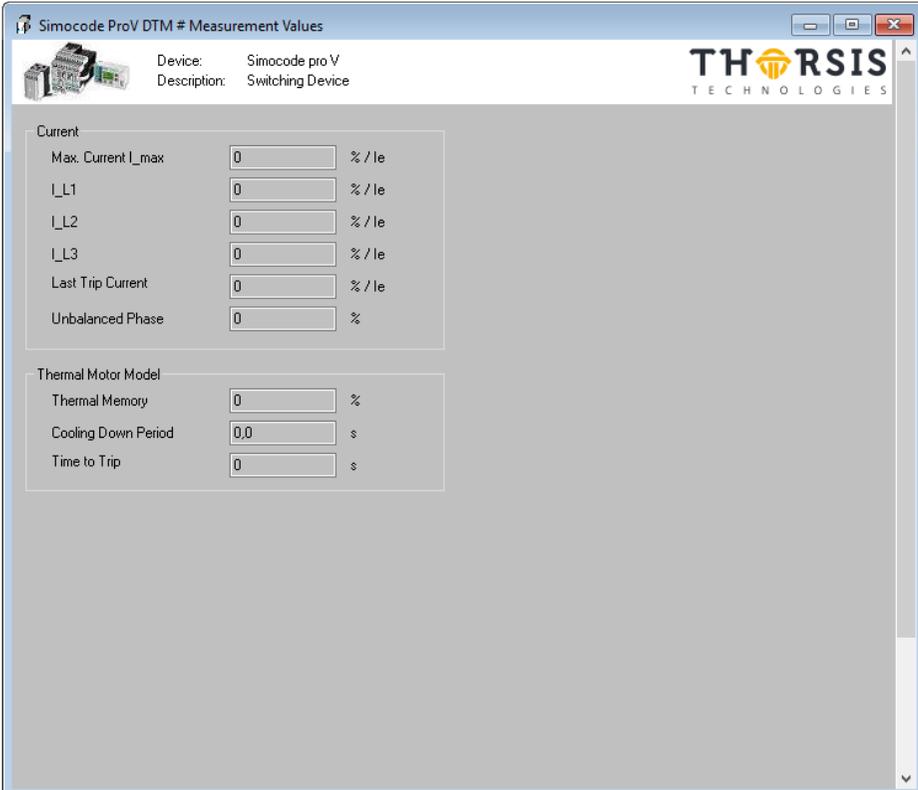
5. About



6. Password



7. Measurement Values



The screenshot shows a software window titled "Simocode ProV DTM # Measurement Values" with the THORSIS TECHNOLOGIES logo in the top right corner. The window displays configuration parameters for a "Simocode pro V" switching device. The parameters are organized into two sections: "Current" and "Thermal Motor Model".

Parameter	Value	Unit
Max. Current I_max	0	% / Ie
I_L1	0	% / Ie
I_L2	0	% / Ie
I_L3	0	% / Ie
Last Trip Current	0	% / Ie
Unbalanced Phase	0	%
Thermal Motor Model		
Thermal Memory	0	%
Cooling Down Period	0,0	s
Time to Trip	0	s

8. Service Data / Statistical Data

Simocode ProV DTM # Service Data/ Statistical Data

Device: Simocode pro V
Description: Switching Device

THORSIS
TECHNOLOGIES

Motor

Operating Hours h

Motor Operating Hours >

Number of Overload Trips

Number of Starts

Permissible Starts - Actual Value

Just one start possible

No start possible

Motor Stop Time h

Motor Stop Time >

Timer

	Actual Value	Output
Timer 1	<input type="text" value="0,0"/> s	<input type="text" value="0"/>
Timer 2	<input type="text" value="0,0"/> s	<input type="text" value="0"/>
Timer 3	<input type="text" value="0,0"/>	<input type="text" value="0"/>
Timer 4	<input type="text" value="0,0"/>	<input type="text" value="0"/>

Counter

	Actual Value	Output
Counter 1	<input type="text" value="6"/>	<input type="text" value="0"/>
Counter 2	<input type="text" value="0"/>	<input type="text" value="0"/>
Counter 3	<input type="text" value="0"/>	<input type="text" value="0"/>
Counter 4	<input type="text" value="0"/>	<input type="text" value="0"/>

Basic Unit

Operating Hours

Number of Parametrizations

Calculation modules

Calculation module 1 - output

Calculation module 2 - output

Close Set Help

Connected Device

9. Error Buffer / Error Protocol

Time and reason of the last 21 trips since the last power on

Time (d.hh:mm:...	Error	Number	Text
× 1172.19:06:48	Error	3	Configuration Fault
! 1172.19:06:48	Power - On		Number of Power - On: 1
× 1168.19:42:25	Error	3	Configuration Fault
! 1168.19:42:25	Power - On		Number of Power - On: 1
× 1168.18:35:09	Error	3	Configuration Fault
! 1168.18:35:09	Power - On		Number of Power - On: 1
× 1168.17:17:21	Error	3	Configuration Fault
! 1168.17:17:21	Power - On		Number of Power - On: 1
× 1133.04:29:04	Error	3	Configuration Fault
! 1133.04:29:04	Power - On		Number of Power - On: 1
× 1106.01:09:30	Error	3	Configuration Fault
! 1106.01:09:30	Power - On		Number of Power - On: 1
× 1081.00:12:32	Error	3	Configuration Fault
! 1081.00:12:32	Power - On		Number of Power - On: 1
× 1071.22:52:37	Error	3	Configuration Fault
! 1071.22:52:37	Power - On		Number of Power - On: 1
× 1050.18:48:52	Error	3	Configuration Fault
! 1050.18:48:52	Power - On		Number of Power - On: 1
× 1039.01:08:33	Error	3	Configuration Fault
! 1039.01:08:33	Power - On		Number of Power - On: 1
× 1026.13:42:39	Error	3	Configuration Fault

Close Help

Connected Device

10. Command



11. Change Password

Simocode ProV DTM # Change Password

Device: Simocode pro V
Description: Switching Device

THORSIS
TECHNOLOGIES

Current password

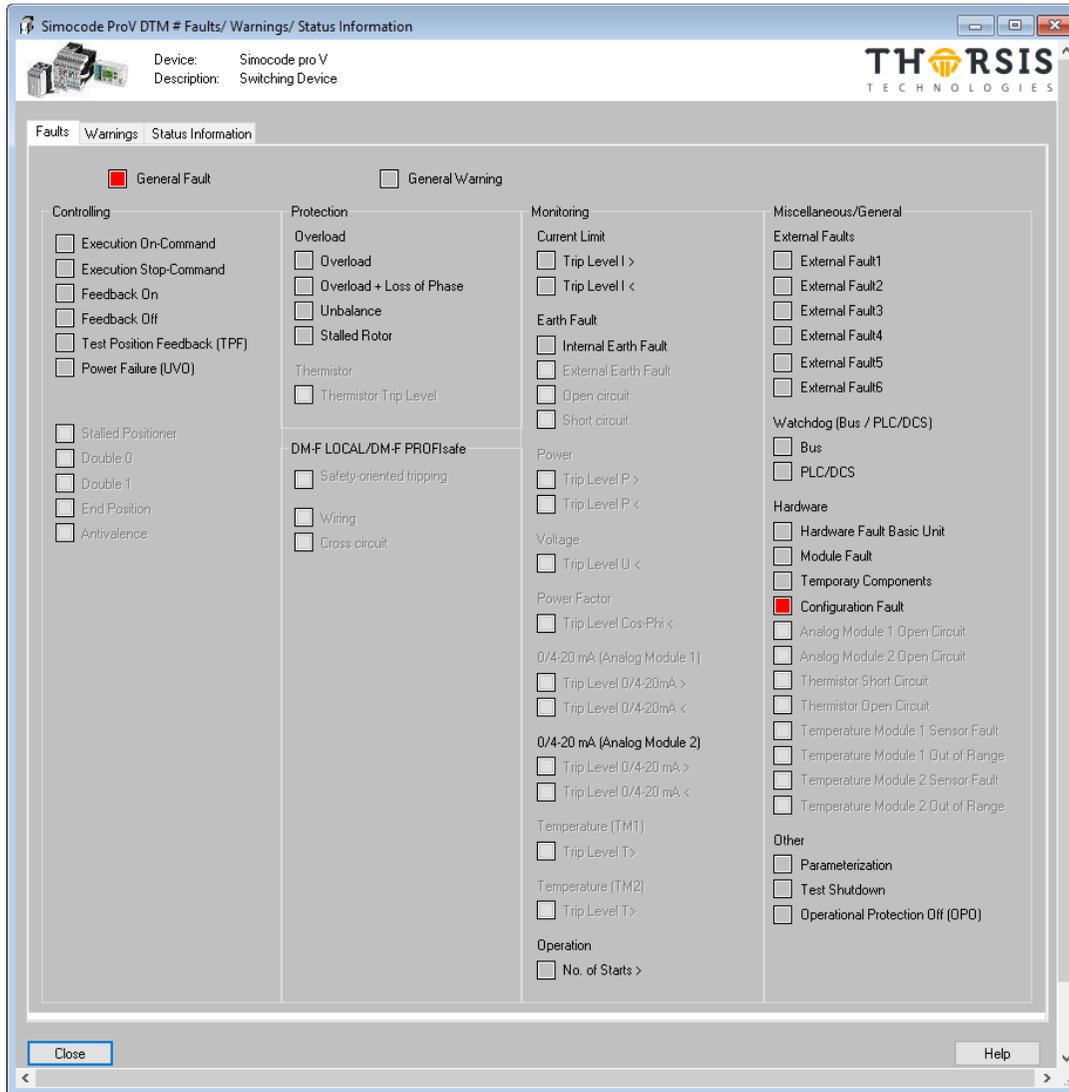
New password

Confirm new password

OK Close Help

Connected Device

12. Faults



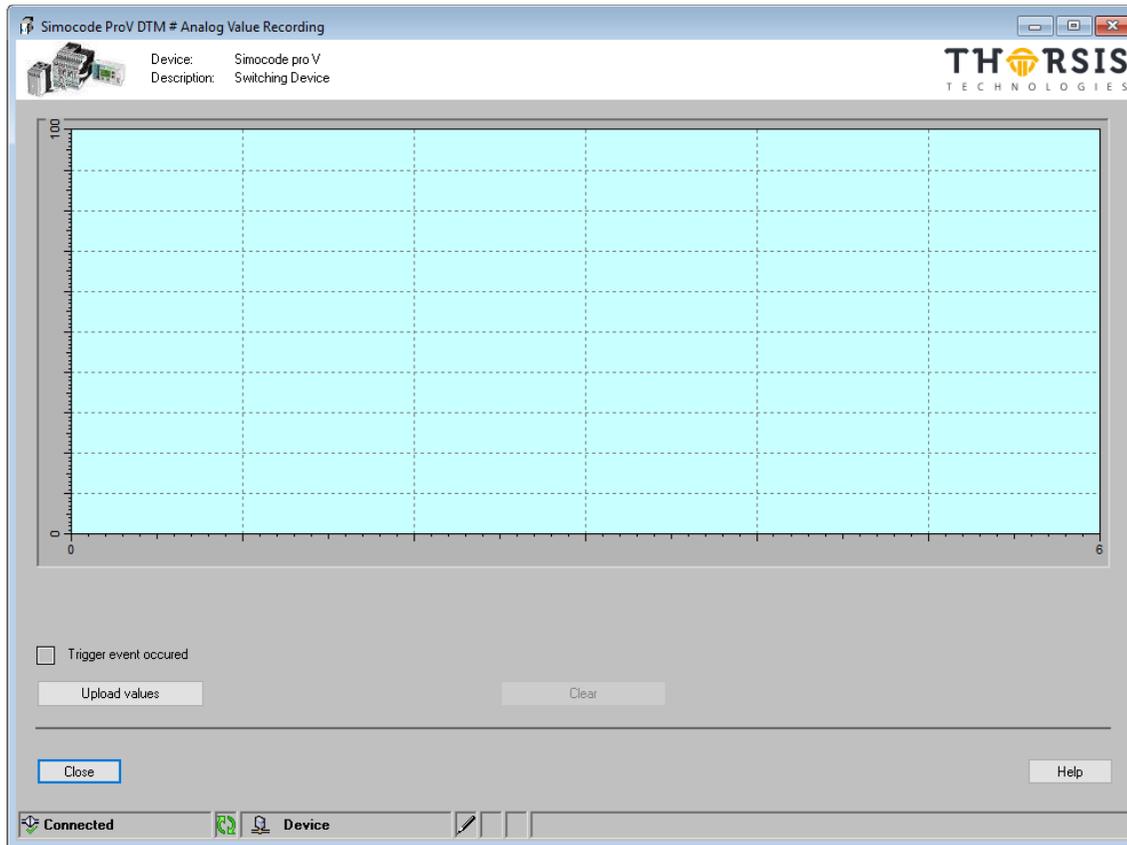
13. Warnings



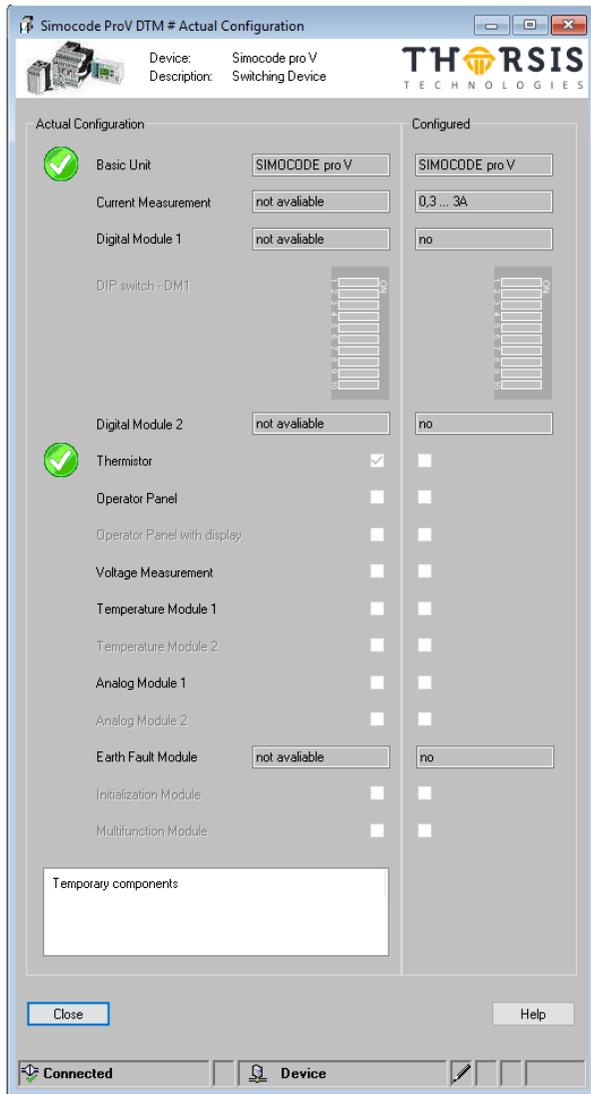
14. Status Information



15. Analog Value Recording



16. Actual Configuration



17. Hardware inputs and outputs

Simocode ProV DTM # Hardware inputs and outputs

Device: Simocode pro V
Description: Switching Device

THORSIS TECHNOLOGIES

Basic Unit

- BU - Input 1 [IN 1]
- BU - Input 2 [IN 2]
- BU - Input 3 [IN 3]
- BU - Input 4 [IN 4]
- BU - Output 1 [OUT 1]
- BU - Output 2 [OUT 2]
- BU - Output 3 [OUT 3]
- Thermistor Trip Level
- Thermistor Open Circuit
- Thermistor Short Circuit

Current Measuring Module (Current/Voltage Measuring Module)

- % / Ie Current I_L1
- % / Ie Current I_L2
- % / Ie Current I_L3
- V Phase voltage UL1-N
- V Phase voltage UL2-N
- V Phase voltage UL3-N

Digital Module 1

- DM1 - Input 1 [IN 1]
- DM1 - Input 2 [IN 2]
- DM1 - Input 3 [IN 3]
- DM1 - Input 4 [IN 4]
- DM1 - Sensor channel 1
- DM1 - Sensor channel 2
- DM1 - Output 1 [OUT 1]
- DM1 - Output 2 [OUT 2]
- DM1 - Enabling circuit closed

Digital Module 2

- DM2 - Input 1 [IN 1]
- DM2 - Input 2 [IN 2]
- DM2 - Input 3 [IN 3]
- DM2 - Input 4 [IN 4]
- DM2 - Output 1 [OUT 1]
- DM2 - Output 2 [OUT 2]

Analog Module 1

- mA AM1 - Input 1
- mA AM1 - Input 2
- mA AM1 - Output
- AM1 - Open Circuit

Analog Module 2

- mA AM2 - Input 1
- mA AM2 - Input 2
- mA AM2 - Output
- AM2 - Open Circuit

Temperature Module 1

- °C TM1 - Temperature 1
- °C TM1 - Temperature 2
- °C TM1 - Temperature 3
- TM1 - Sensor Fault
- TM1 - Out of Range

Temperature Module 2

- °C TM2 - Temperature 1
- °C TM2 - Temperature 2
- °C TM2 - Temperature 3
- TM2 - Sensor Fault
- TM2 - Out of Range

Close Help

Connected Device

