

## 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 FL404  
Location designation  
Installation date  
Description

Dept. resp.:	Technical reference:	Document type:	Document status:			
Owner:	Created by:	Title:	Item no.:			
	Approved by:		Mod.:	Issue date:	Lang.:	Page:
			en	1 / 28		

# 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

<u>Dept. resp.:</u>	<u>Technical reference:</u>	<u>Document type:</u>	<u>Document status:</u>		
<u>Owner:</u>	<u>Created by:</u>	<u>Title:</u>	<u>Item no.:</u>		
	<u>Approved by:</u>		<u>Mod.:</u>	<u>Issue date:</u>	<u>Lang.:</u> <u>en</u>
					<u>Page:</u> <u>2 / 28</u>

## Bus Parameters

DP Address                            31  
Transmission rate                  automatic

### 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

<u>Dept. resp.:</u>	<u>Technical reference:</u>	<u>Document type:</u>	<u>Document status:</u>		
<u>Owner:</u>	<u>Created by:</u>	<u>Title:</u>	<u>Item no.:</u>		
	<u>Approved by:</u>		<u>Mod.:</u>	<u>Issue date:</u>	<u>Lang.:</u> <u>en</u>
					<u>Page:</u> <u>3 / 28</u>

# Motor Protection

## Overload/Unbalance/Stall

### **Overload Protection**

Set Current Is1	84,80 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

<u>Dept. resp.:</u>	<u>Technical reference:</u>	<u>Document type:</u>	<u>Document status:</u>		
<u>Owner:</u>	<u>Created by:</u>	<u>Title:</u>	<u>Item no.:</u>		
	<u>Approved by:</u>		<u>Mod.:</u>	<u>Issue date:</u>	<u>Lang.:</u>
					<u>Page:</u> en 4 / 28

# Motor Control

## 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	<b>Not connected</b>
On>	<b>Not connected</b>
On>>	Not connected

### **PLC/DCS [DP]**

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

### **PC [DPV1]**

On<<	Not connected
On<	Not connected
Off	<b>Not connected</b>
On>	<b>Not connected</b>
On>>	Not connected

### **Operator Panel [OP]**

<>/<>>	Not connected
On<	Not connected
Off	<b>Not connected</b>
On>	<b>Not connected</b>
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

Dept. resp.:	Technical reference:	Document type:	Document status:	
Owner:	Created by:	Title:	Item no.:	
	Approved by:		Mod.:	Issue date:

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

Dept. resp.:	Technical reference:	Document type:	Document status:			
Owner:	Created by:	Title:	Item no.:			
	Approved by:		Mod.:	Issue date:	Lang.:	Page:
					en	6 / 28

<b>Off</b>	<b>Released Control Command - Off</b>
<b>On&gt;</b>	<b>Released Control Command - On&gt;</b>
<b>On&gt;&gt;</b>	<b>Not connected</b>

## Auxiliary Control Inputs

<b>Feedback On</b>	<b>Status - Motor Current Flowing</b>
Feedback Closed (FC)	Not connected
Feedback Open (F0)	Not connected
Torque Closed (TC)	Not connected
Torque Open (TO)	Not connected

## Timings

<b>Feedback Time</b>	<b>0,5 s</b>
<b>Execution Time</b>	<b>1,0 s</b>
Interlocking Time	0 s
Change-over pause	0,00 s

## Star-delta

Max. Star Time	20 s
Current Measuring Module installed	Delta

<u>Dept. resp.:</u>	<u>Technical reference:</u>	<u>Document type:</u>	<u>Document status:</u>		
<u>Owner:</u>	<u>Created by:</u>	<u>Title:</u>	<u>Item no.:</u>		
	<u>Approved by:</u>		<u>Mod.:</u>	<u>Issue date:</u>	<u>Lang.:</u> en
					<u>Page:</u> 7 / 28

## **Monitoring Functions**

## 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

<u>Dept. resp.:</u>	<u>Technical reference:</u>	<u>Document type:</u>	<u>Document status:</u>			
<u>Owner:</u>	<u>Created by:</u>	<u>Title:</u>	<u>Item no.:</u>			
	<u>Approved by:</u>		<u>Mod.:</u>	<u>Issue date:</u>	<u>Lang.:</u>	<u>Page:</u>

## **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

<u>Dept. resp.:</u>	<u>Technical reference:</u>	<u>Document type:</u>	<u>Document status:</u>		
<u>Owner:</u>	<u>Created by:</u>	<u>Title:</u>	<u>Item no.:</u>		
	<u>Approved by:</u>		<u>Mod.:</u>	<u>Issue date:</u>	<u>Lang.:</u>
					<u>Page:</u> en 9 / 28

# 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

<u>Dept. resp.:</u>	<u>Technical reference:</u>	<u>Document type:</u>	<u>Document status:</u>	
<u>Owner:</u>	<u>Created by:</u>	<u>Title:</u>	<u>Item no.:</u>	
	<u>Approved by:</u>		<u>Mod.:</u>	<u>Issue date:</u>
			<u>Lang.:</u> en	<u>Page:</u> 10 / 28

# 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

<u>Dept. resp.:</u>	<u>Technical reference:</u>	<u>Document type:</u>	<u>Document status:</u>		
<u>Owner:</u>	<u>Created by:</u>	<u>Title:</u>	<u>Item no.:</u>		
	<u>Approved by:</u>		<u>Mod.:</u>	<u>Issue date:</u>	<u>Lang.:</u> en
					<u>Page:</u> 11 / 28

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

<u>Dept. resp.:</u>	<u>Technical reference:</u>	<u>Document type:</u>	<u>Document status:</u>		
<u>Owner:</u>	<u>Created by:</u>	<u>Title:</u>	<u>Item no.:</u>		
	<u>Approved by:</u>		<u>Mod.:</u>	<u>Issue date:</u>	<u>Lang.:</u> en
					<u>Page:</u> 12 / 28

## Standard Functions

### 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)

<u>Dept. resp.:</u>	<u>Technical reference:</u>	<u>Document type:</u>	<u>Document status:</u>		
<u>Owner:</u>	<u>Created by:</u>	<u>Title:</u>	<u>Item no.:</u>		
	<u>Approved by:</u>		<u>Mod.:</u>	<u>Issue date:</u>	<u>Lang.:</u> en
					<u>Page:</u> 13 / 28

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

### 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** Test/Reset Button, RS232 (Panel Reset), Remote Reset, Reset 1,2,3  
**Marking**

### 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** Test/Reset Button, RS232 (Panel Reset), Remote Reset, Reset 1,2,3  
**Marking**

### 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** Test/Reset Button, RS232 (Panel Reset), Remote Reset, Reset 1,2,3  
**Marking**

### 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** Test/Reset Button, RS232 (Panel Reset), Remote Reset, Reset 1,2,3  
**Marking**

## Operational Protection Off (OPO)

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

<u>Dept. resp.:</u>	<u>Technical reference:</u>	<u>Document type:</u>	<u>Document status:</u>		
<u>Owner:</u>	<u>Created by:</u>	<u>Title:</u>	<u>Item no.:</u>		
	<u>Approved by:</u>		<u>Mod.:</u>	<u>Issue date:</u>	<u>Lang.:</u> en
					<u>Page:</u> 14 / 28

## 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

<u>Dept. resp.:</u>	<u>Technical reference:</u>	<u>Document type:</u>	<u>Document status:</u>		
<u>Owner:</u>	<u>Created by:</u>	<u>Title:</u>	<u>Item no.:</u>		
	<u>Approved by:</u>		<u>Mod.:</u>	<u>Issue date:</u>	<u>Lang.:</u> <u>en</u>
					<u>Page:</u> <u>15 / 28</u>

# Logic Modules

## 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

<u>Dept. resp.:</u>	<u>Technical reference:</u>	<u>Document type:</u>	<u>Document status:</u>			
<u>Owner:</u>	<u>Created by:</u>	<u>Title:</u>	<u>Item no.:</u>			
	<u>Approved by:</u>		<u>Mod.:</u>	<u>Issue date:</u>	<u>Lang.:</u>	<u>Page:</u>
			<u>en</u>	16 / 28		

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

Dept. resp.:	Technical reference:	Document type:	Document status:		
Owner:	Created by:	Title:	Item no.:		
	Approved by:		Mod.:	Issue date:	Lang.:
			en	17 / 28	

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

Dept. resp.:	Technical reference:	Document type:	Document status:		
Owner:	Created by:	Title:	Item no.:		
	Approved by:		Mod.:	Issue date:	Lang.:
			en	18 / 28	

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	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

<u>Dept. resp.:</u>	<u>Technical reference:</u>	<u>Document type:</u>	<u>Document status:</u>			
<u>Owner:</u>	<u>Created by:</u>	<u>Title:</u>	<u>Item no.:</u>			
	<u>Approved by:</u>		<u>Mod.:</u>	<u>Issue date:</u>	<u>Lang.:</u>	<u>Page:</u>

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

Dept. resp.:	Technical reference:	Document type:	Document status:
Owner:	Created by:	Title:	Item no.:
	Approved by:		Mod.: Issue date: Lang.: Page: en 20/28

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

<u>Dept. resp.:</u>	<u>Technical reference:</u>	<u>Document type:</u>	<u>Document status:</u>		
<u>Owner:</u>	<u>Created by:</u>	<u>Title:</u>	<u>Item no.:</u>		
	<u>Approved by:</u>		<u>Mod.:</u>	<u>Issue date:</u>	<u>Lang.:</u> <u>en</u>
					<u>Page:</u> <u>21 / 28</u>

## 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)

<u>Dept. resp.:</u>	<u>Technical reference:</u>	<u>Document type:</u>	<u>Document status:</u>		
<u>Owner:</u>	<u>Created by:</u>	<u>Title:</u>	<u>Item no.:</u>		
	<u>Approved by:</u>		<u>Mod.:</u>	<u>Issue date:</u>	<u>Lang.:</u>
					<u>Page:</u> en      22 / 28

<b>Limit</b>	<b>0</b>
<b>Delay</b>	<b>0,5 s</b>
<b>Marking</b>	

## Calculation modules

### Calculation module 1

<b>Calculation module 1 - input</b>	<b>Cyclic Receive - Analog Value</b>
<b>Calculation module 1 - numerator</b>	<b>1</b>
<b>Calculation module 1 - denominator</b>	<b>100</b>
<b>Calculation module 1 - offset</b>	<b>0</b>

### Calculation module 2

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

<u>Dept. resp.:</u>	<u>Technical reference:</u>	<u>Document type:</u>	<u>Document status:</u>			
<u>Owner:</u>	<u>Created by:</u>	<u>Title:</u>	<u>Item no.:</u>			
	<u>Approved by:</u>		<u>Mod.:</u>	<u>Issue date:</u>	<u>Lang.:</u>	<u>Page:</u>
					en	23 / 28

## 3UF50 - Compatibility Mode

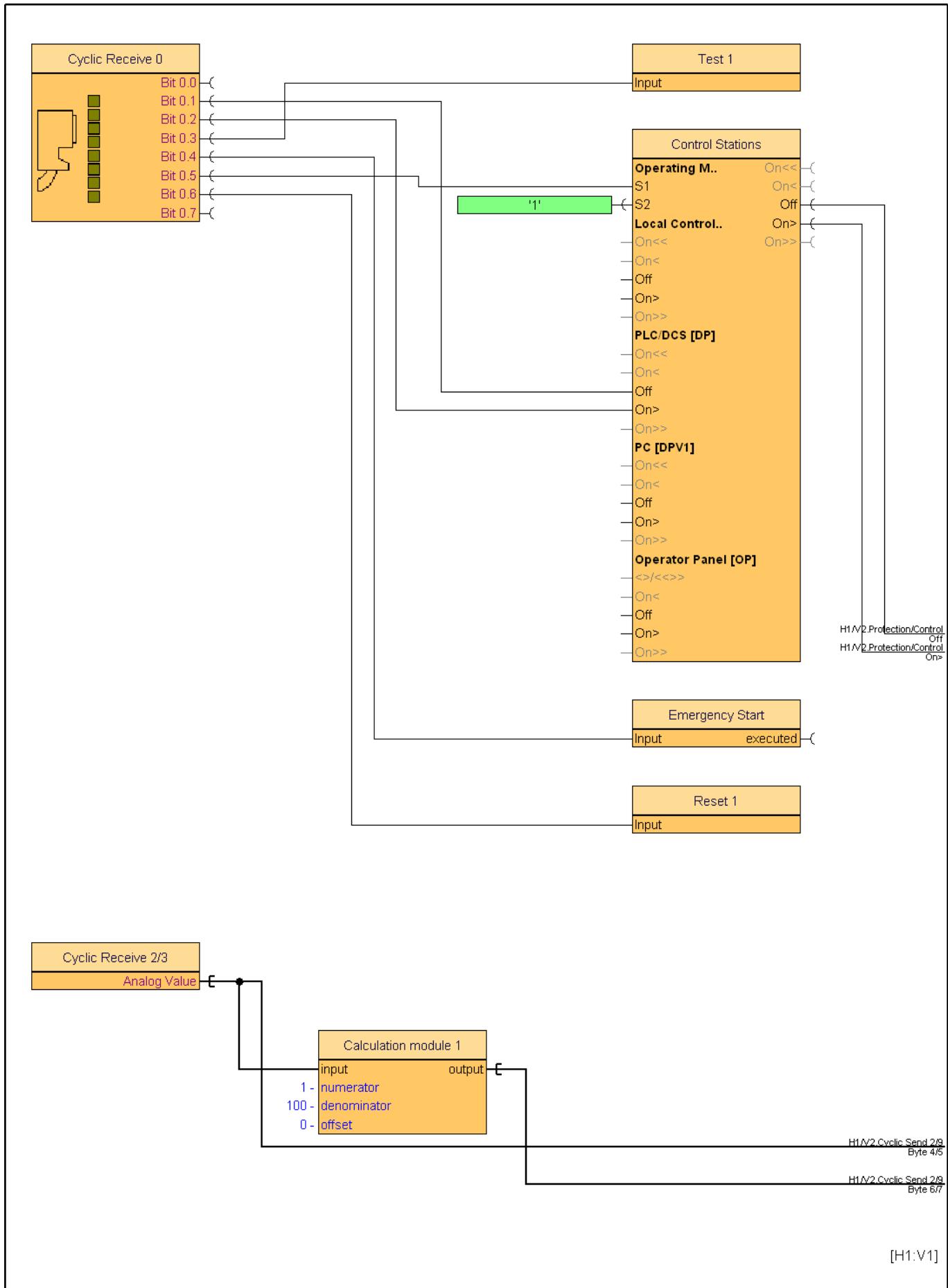
3UF50 - Compatibility Mode      0  
3UF50 - Operating Mode      DPV0  
3UF50 - Basic Type      1

<u>Dept. resp.:</u>	<u>Technical reference:</u>	<u>Document type:</u>	<u>Document status:</u>		
<u>Owner:</u>	<u>Created by:</u>	<u>Title:</u>	<u>Item no.:</u>		
	<u>Approved by:</u>		<u>Mod.:</u>	<u>Issue date:</u>	<u>Lang.:</u> <u>en</u>
					<u>Page:</u> <u>24 / 28</u>

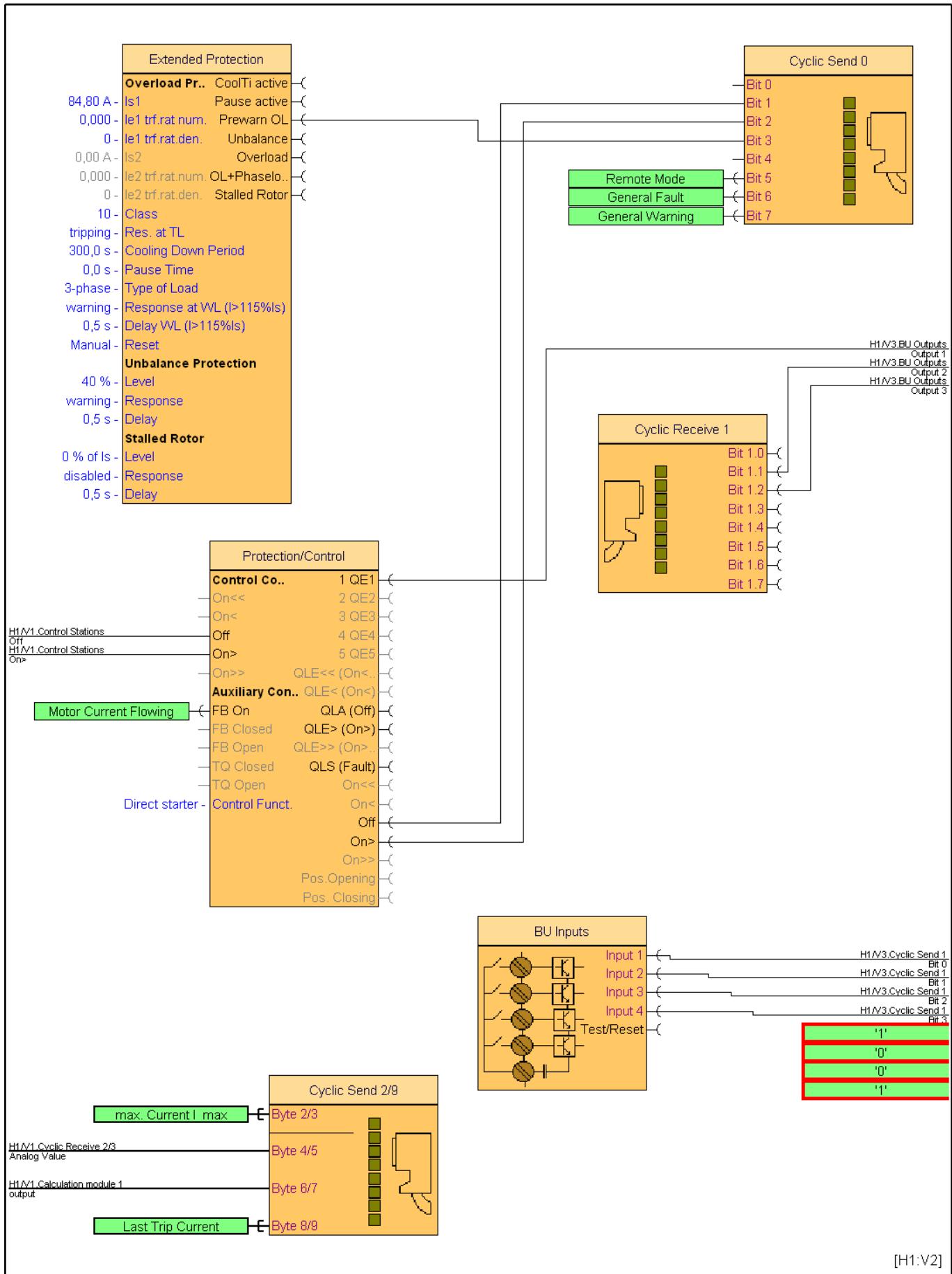
## Analog Value Recording

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

<u>Dept. resp.:</u>	<u>Technical reference:</u>	<u>Document type:</u>	<u>Document status:</u>		
<u>Owner:</u>	<u>Created by:</u>	<u>Title:</u>	<u>Item no.:</u>		
	<u>Approved by:</u>		<u>Mod.:</u>	<u>Issue date:</u>	<u>Lang.:</u> en
					<u>Page:</u> 25 / 28

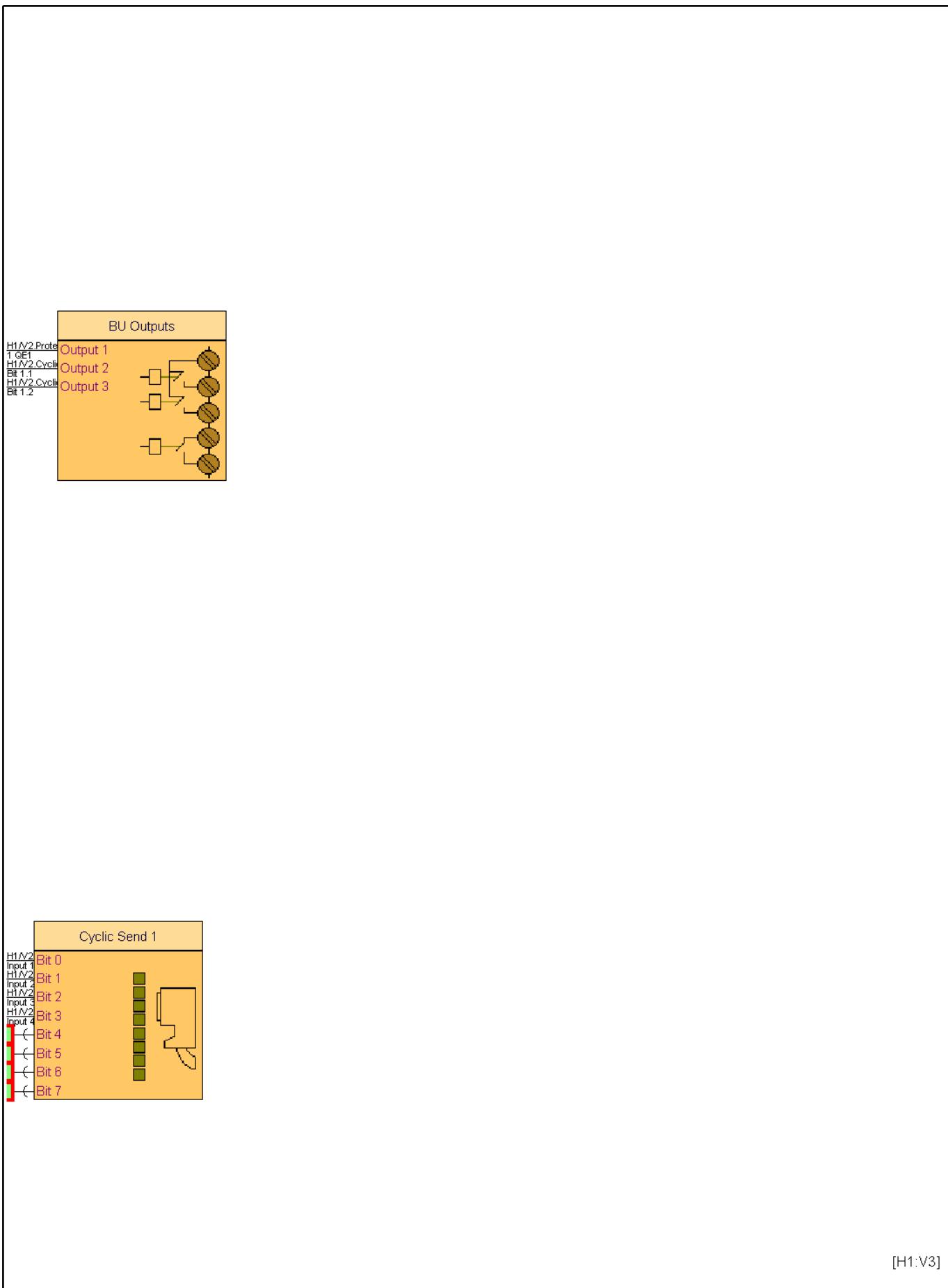


Dept. resp.:	Technical reference:	Document type:	Document status:		
Owner:	Created by:	Title:	Item no.:		
	Approved by:		Mod.:	Issue date:	Lang.:
					en
					26 / 28



[H1:V2]

<u>Dept. resp.:</u>	<u>Technical reference:</u>	<u>Document type:</u>	<u>Document status:</u>			
<u>Owner:</u>	<u>Created by:</u>	<u>Title:</u>	<u>Item no.:</u>			
	<u>Approved by:</u>		<u>Mod.:</u>	<u>Issue date:</u>	<u>Lang.:</u>	<u>Page:</u>



<u>Dept. resp.:</u>	<u>Technical reference:</u>	<u>Document type:</u>	<u>Document status:</u>			
<u>Owner:</u>	<u>Created by:</u>	<u>Title:</u>	<u>Item no.:</u>			
	<u>Approved by:</u>		<u>Mod.:</u>	<u>Issue date:</u>	<u>Lang.:</u>	<u>Page:</u>
					en	28 / 28