

Project Documentation

File: Bachelor_programm.ecp

Date: 12/8/2021

Profile: e!COCKPIT

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1 Device: Controller

Users and Groups

Users:

Groups:

Access Rights

View
Modify
Execute
Add/remove children

Symbol Rights

Parameters

Parameters:

Name:	Type:	Value:	Default Value:	Unit:	Description:
Processor Load Lower Limit	DWORD	80	80		
Processor Load Upper Limit	DWORD	90	90		
Processor Load Processor Share	DWORD	90	90		
Processor Load Should Throw	bool	FALSE	FALSE		
ProcessorLoadWatchdog_Exception					
Keep output values in stop	bool	FALSE	FALSE		
Keep output values in exception	bool	FALSE	FALSE		

Information

Name: 750-8100 PFC100 2ETH ECO
Vendor: WAGO
Categories: PLCs
Type: 4096
ID: 1006 1101
Version: 5.14.3.54
Order number: 0750-8100
Description: Programmable Ethernet controller

1.1 PLC Logic: Plc Logic

1.1.1 Application: Application

1.2 Device: Kbus

K-BUS Parameters

Parameters:

Name:	Type:	Value:	Default Value:	Unit:	Description:
k-bus cycle time	UINT(1..50)	10	10		cycle time in [ms]
k-bus event control 1					cycle offset and cycle number
offset	USINT	0	0		offset in number of cycles
cycle number	USINT	2	2		cycle number (disable event with zero)
k-bus event control 2					cycle offset and cycle number
offset	USINT	1	1		offset in number of cycles
cycle number	USINT	4	4		cycle number (disable event with zero)
k-bus event control 3					cycle offset and cycle number
offset	USINT	3	3		offset in number of cycles
cycle number	USINT	8	8		cycle number (disable event with zero)
k-bus event control 4					cycle offset and cycle number
offset	USINT	7	7		offset in number of cycles
cycle number	USINT	16	16		cycle number (disable event with zero)
program start interlock	BOOL	TRUE	TRUE		locks on configuration error

Information

Name: Kbus
 Vendor: WAGO
 Categories:
 Type: 32778
 ID: Wago 750-Series Local Bus Interface
 Version: 1.4.0.2
 Description: WAGO Kbus Interface

1.3 Connector: MODBUS

MODBUS I/O Mapping

1.3.1 Device: MODBUS

Information

Name: MODBUS
Vendor: WAGO
Categories:
Type: 32777
ID: 1006 0001
Version: 1.1.1.15
Order number: n/a
Description: This device implements master and slave functionality for MODBUS.

2 Device: PFC100_2ETH

Users and Groups

Users:

Groups:

Access Rights

View
Modify
Execute
Add/remove children

Symbol Rights

Parameters

Parameters:	Type:	Value:	Default Value:	Unit:	Description:
Name:					
Processor Load Lower Limit	DWORD	80	80		
Processor Load Upper Limit	DWORD	90	90		
Processor Load Processor Share	DWORD	90	90		
Processor Load Should Throw	bool	FALSE	FALSE		
ProcessorLoadWatchdog_Exception					
Keep output values in stop	bool	FALSE	FALSE		
Keep output values in exception	bool	FALSE	FALSE		

Information

Name: 750-8101 PFC100 2ETH
Vendor: WAGO
Categories: PLCs
Type: 4096
ID: 1006 1102
Version: 5.15.4.20
Order number: 0750-8101
Description: Programmable Ethernet controller

2.1 PLC Logic: Plc Logic

2.1.1 Application: Application

2.1.1.1 Global Variable List: GVL

```
1 //attribute 'qualified_only'}
2 VAR_GLOBAL
3     Motor_opp , motor_ned : BOOL ; //kjører motor så den går enten opp eller
    ned
4     tagger_motor : WORD ; // skal kobles til en port som leser antall tagger
    som kommer inn, tagger er for trommelen, tagger_motor er for motoren
5     spenning : WORD ; // skal leses av i modelle spenning
6     spenning_relativt_til_strom : WORD ; //skal leses av i port der strøm
    måles
7     topp_pos , bunn_pos : BOOL ;
8     avstand_fra_topp : REAL ;
9     kalibrering : bool ;
10    END_VAR
11
12
```

2.1.1.2 POU: Kran_Kontroll

```
1 PROGRAM Kran_Kontroll
2 VAR
3     //kontroll og overvåkning av motor
4     motor_tilstand : INT ;
5     NODSTOP : BOOL ; // knapp som kan trykkes på i nød
6     Meld_kran_pos : STRING ;
7     krok : posisjon_krok ;
8     TROMMEL_rpm , MOTOR_RPM : TURTALLSMAALER ;
9     T_RPM , M_FRQ , tall : REAL ;
10    max_heise_hoyde : REAL ;
11    avstand_fra_toppen : REAL ;
12    //Overvåkning av energi
13    effekt , spenning , RMS_strom : REAL ;
14    Frekvensmotor : real ;
15    skalert_strom : REAL ;
16    Wh , WH_u : REAL ; // watt timer
17    RMS : STROM_RMS ;
```

2.1.1.2 POU: Kran_Kontroll

```
18     lader : BOOL ;
19     END_VAR
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1     //kontroll av motor
2     CASE motor_tilstand OF
3
4         1 : rev := FALSE ;
5           fwd := FALSE ;
6           run := FALSE ;
7
8         2 : rev := FALSE ;
9           fwd := TRUE ;
10          run := TRUE ;
11
12        3 : rev := TRUE ;
13          fwd := FALSE ;
14          run := TRUE ;
15
16     END_CASE
17
18     IF Motor_opp AND NOT magnet AND NOT topp_pos THEN
19         motor_tilstand := 2 ;
20     ELSIF motor_ned AND NOT bunn_pos THEN
21         motor_tilstand := 3 ;
22     ELSIF stop OR (magnet AND fwd) OR (topp_pos AND fwd) OR (bunn_pos
23         AND rev) THEN
24         motor_tilstand := 1 ;
25     END_IF
26
27     Frekvensmotor := WORD_TO_REAL ( setfrekvens * 50 ) / 65535 ; //Lar bruker vite
28     hvilken frekvens de velger.
29
30     IF NODSTOP THEN
31         power := FALSE ;
32     END_IF
33
34     IF topp_pos OR magnet THEN //besked til bruker om at kranen er i topp
35     posisjon
36
37     Meld_kran_pos := 'Kranen er i top posisjon.' ;
38
39     ELSE
40     Meld_kran_pos := 'Kranen er så langt fra toppen.' ;
41     END_IF
42
43     krok ( max_avstand_cm := max_heise_hoyde , avstand_cm => avstand_fra_toppen ) ;
44     //initialiserer funksjonsblokken.
45     max_heise_hoyde := 70.0 ; // så langt det er til gulvet.
46
47     TROMMEL_RPM ( cv := TELLERTROMMEL , pt := T#200MS , N := 60 , RPM => T_RPM ) ;
48     MOTOR_RPM ( cv := TELLERMOTOR , pt := T#200MS , N := 12 , RPM => tall , FQ => M_FRQ ) ;
```

2.1.1.2 POU: Kran_Kontroll

```
47 //overvåking av batteri
48
49 Spenning := 230.0 ; // 230VAC spenning levert fra stikkontakt.
50 Skalert_strom := ( WORD_TO_REAL ( Uskalert_strom ) * 1.2 / 32760.0 ) * 60.0 ;
//Skalaen er fra 1:60
51
52 RMS ( maalt_strom := skalert_strom , I_RMS => RMS_strom ) ;
53
54 effekt := spenning * RMS_strom ;
55
56 IF power AND NOT lader THEN
57
58 Wh := effekt * TIME_TO_REAL ( T#50MS ) / ( 1000.0 * 60 * 60 ) + Wh ;
59
60 ELSIF lader THEN
61     Wh := 0 ;
62
63 ELSE
64     Wh := Wh ;
65
66 END_IF
67
```

2.1.1.3 POU: Posisjon_krok

```
1 FUNCTION_BLOCK Posisjon_krok
2 // siden antall omreinger oversettes til hvor kroken er
3 //kan telleren til trommelen brukes til å hvite hvor kroken er og om den er
//øverst eller nederst
4 //og stoppe trommelen fra å gå for langt
5 VAR_INPUT
6     max_avstand_cm : REAL ;
7 END_VAR
8 VAR_OUTPUT
9     avstand_cm : REAL ;
10 END_VAR
11 VAR
12     forrigetagger : WORD ;
13     avstand , diff , max_avstand : DINT ;
14     forrige_avstand : WORD ;
15 END_VAR
16 VAR_EXTERNAL
17     kalibrering : BOOL ;
18     tellertrommel : WORD ;
19     rev , fwd : BOOL ;
20     topp_pos , bunn_pos : BOOL ;
21 END_VAR
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2.1.1.3 POU: Posisjon_krok

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5
6
7  IF forrigetagger > tellertrommel THEN
8      diff := WORD_TO_DINT ( tellertrommel + ( 65535 - forrigetagger ) );
9  ELSE
10     diff := WORD_TO_DINT ( tellertrommel - forrigetagger );
11  END_IF
12
13  max_avstand := REAL_TO_DINT ( ( max_avstand_cm * 60 ) / ( 16 * 3.14 ) );
14
15  IF rev THEN
16     avstand := LIMIT ( 0 , avstand + ( diff ) , max_avstand );
17  ELSIF fwd THEN
18     avstand := LIMIT ( 0 , avstand - ( diff ) , max_avstand );
19  END_IF
20
21     forrigetagger := tellertrommel ;
22     avstand_cm := ( DINT_TO_REAL ( avstand ) * ( 3.14 * 16 ) ) / 60 ;
23
24  topp_pos := avstand = 0 ;
25  bunn_pos := avstand = max_avstand ;
26
27
```

2.1.1.4 POU: Strom_RMS

```
1  FUNCTION_BLOCK Strom_RMS
2  VAR_INPUT
3      maalt_strom : REAL ;
4  END_VAR
5  VAR_OUTPUT
6      I_RMS : REAL ;
7  END_VAR
8  VAR
9      N : REAL ;
10     I_middlertidig : REAL ;
11  END_VAR
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```

2.1.1.5 POU: Turtallsmaaler

```

1  FUNCTION_BLOCK Turtallsmaaler // Skrevet av Alexander Sauter, hentet fra
   fag ING3306
2  VAR_INPUT
3      CV : WORD ; //current value, tellingen av tellermodulen
4      PT : TIME ; //Tidsopløsning/hyppighet for oppdatering av
   utgangsverdiene
5      N : UINT ; //Antall hull i encoderen
6  END_VAR
7  VAR_OUTPUT
8      FQ : REAL ; //Omdreiningssfrekvens i Hertz
9      RPM : REAL ; //Omdreiningshastighet i RPM (rotations per minute)
10 END_VAR
11 VAR
12     lastcount : REAL ;
13     lasttime : TIME ;
14
15     currentcount : REAL ;
16     currenttime : TIME ;
17
18     deltacount : REAL ;
19     deltetime : TIME ;
20 END_VAR
21

```

```

1  IF TIME_TO_WORD ( lasttime ) = 0 AND lastcount = 0 THEN
2      //Først kjøring, ikke gi noe output men bare ta tiden og currentcount
3      lastcount := CV ;
4      lasttime := TIME ( ) ;
5  ELSE
6      currentcount := CV ;
7      currenttime := TIME ( ) ;
8      //Bare kjør resten av koden når mer tid enn PT gar gått siden sist
9      IF ( currenttime >= lasttime + PT ) THEN
10         //Korrektur når overflow av CV - via mellomvariabel for å unngå
   overflow i REAL-datatypen
11         IF currentcount < lastcount THEN
12             deltacount := 65536 - lastcount ;
13             deltacount := currentcount + deltacount ;
14         ELSE
15             deltacount := currentcount - lastcount ;
16         END_IF
17         //Korrektur når overflow av TIME() - i to steg for å unngå negative
   tall eller overflow i TIME-datatypen
18         IF currenttime < lasttime THEN
19             //Finn resttid før overflow
20             deltetime := DWORD_TO_TIME ( NOT 2#0 ) - lasttime ;
   //Makstid - gammeltid
21             //Legg til tid etter overflow (nå er currenttime fra 0)
22             deltetime := currenttime + deltetime + T#1MS ;
23         ELSE
24             deltetime := currenttime - lasttime ;
25         END_IF //Regn ut omdreiningssfrekvens i Hertz

```

```
26         FQ := deltacount / TIME_TO_REAL ( deltatime ) ;
27         FQ := FQ * 1000.0 / N ;
28         //Regn ut omdreiningssfrekvens i RPM
29         RPM := FQ * 60.0 ;
30         //Husk tilstand til neste gang
31         lastcount := currentcount ;
32         lasttime := currenttime ;
33     END_IF
34 END_IF
35
```

2.1.1.6 Task Configuration: Task configuration

Max. number of tasks: 15
Max. number of cyclic tasks: 15
Max. number of freewheeling tasks: 15
Max. number of event tasks: 15
Max. number of external event tasks: 8
Max. number of status tasks: 15

System Events:

2.1.1.6.1 Task: PLC_Task

Priority: 15
Type: Cyclic
Interval: t#50ms Unit: ms
Watchdog: Inactive
POUs: Kran_Kontroll

2.1.1.6.1.1 Program Call: Kran_Kontroll

2.1.1.6.2 Task: VISU_TASK

Priority: 15
Type: Cyclic
Interval: 100 Unit: ms
Watchdog: Inactive
POUs: VisuElems.Visu_Prg

2.1.1.6.2.1 Program Call: VisuElems.Visu_Prg

2.1.1.7 Visualization Manager: VisualizationManager

Settings

Use CurrentVisu variable: False
Selected style: Basic style, 3.5.14.0 (3S-Smart Software Solutions GmbH)
Numpad: VisuDialogs.Numpad
Keypad: VisuDialogs.Keypad
Use text input with limits: False
Dialog for text input with limits: VisuDialogs.TextinputWithLimits
Support touch input (single/multi-touch): False
Support of semi-transparency: True
Login dialog: VisuUserManagement.VUM_Login
Change password dialog: VisuUserManagement.VUM_ChangePassword
Change configuration dialog: VisuUserManagement.VUM_UserManagement
Advanced settings: False
Size of memory for visualization: 400000
Size of paintbuffer (per client): 50000
File TransferMode: Transfer visualization files to the PLC
Maximum number of visualization clients: 100
Transfer svg and converted images to plc: False
Global open numpad/keypad type: OpenCentered

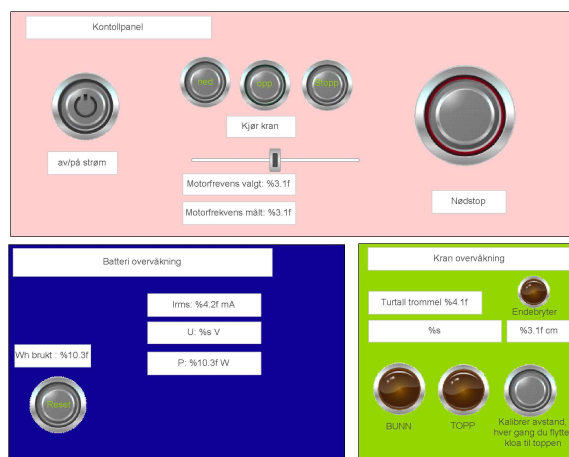
User Management

Settings in case of several applications
User management in PLC: True
User management data: Local

Font Settings: Language specific font settings

2.1.1.7.1 WebVisu: WebVisu

2.1.1.8 Visualization: Styring_overvaakning



General

Visualization size algorithm version: Respecting scrollbar location

Background

Use background color: False

Background color: 16777215

▣ Interface

VAR_IN_OUT

END_VAR

▣ Visual Element List

■ Rectangle Id: 5

Element name: GenElemInst_8

Static optimized: False

Type of element: Rectangle

Position

X: 595

Y: 85

Width: 757

Height: 298

Angle: 0

Radius setting

Radius: From style

Value: 5

Center

X: 973

Y: 234

Colors

Normal state

Frame color

Transparency: 255

Fill color

Transparency: 255

Alarmstate

Frame color

Transparency: 255

Fill color

Transparency: 255

Use gradient color: False

Gradient setting

Gradient

Color1: Color [A=255, R=0, G=0, B=0]

Color2: Color [A=255, R=255, G=255, B=255]

Brightnesscolor: Color [A=255, R=0, G=0, B=0]

Element look

Line width: 1

Fill attributes: Filled

Line style: Solid

Text properties

Horizontal alignment: Centered

Vertical alignment: Centered

Text format: Default

Font: Arial;12;Regular;Font-Default-Color, Color [A=255, R=0, G=0, B=0]

Font color

Transparency: 255

Absolute movement

Use real values: False

Text variables

Text variable: Kran_Kontroll.MOTOR_RPM

Font variables

Size: , <pt>

Color variables

Toggle color: <toggle/tap variable>

Input configuration

OnDialogClosed: Configure...

OnMouseClicked: Configure...

OnMouseDown: Configure...

OnMouseEnter: Configure...

OnMouseLeave: Configure...

OnMouseMove: Configure...

OnMouseUp: Configure...

Tap

Tap FALSE: False

Tap on enter if captured: False

Toggle

Toggle on up if captured: False

Text field Id: 4

Element name: GenElemInst_6

Type of element: Text field

Static optimized: False

Text ID: 614

Position

X: 1152

Y: 322

Width: 99

Height: 30

Colors

Normal state

Frame color

Transparency: 255

Fill color

Transparency: 255

Alarmstate

Frame color

Transparency: 255

Fill color

Transparency: 255

Element look

Line width: 1

Fill attributes: Filled

Line style: Solid

Shadow type: From style

Texts

Text: Nødstop

Text properties

Horizontal alignment: Centered

Vertical alignment: Centered

Text format: Default

Font: Arial;12;Regular;Font-Default-Color, Color [A=255, R=0, G=0, B=0]

Font color

Transparency: 255

Font variables

Size: , <pt>

Color variables

Toggle color: <toggle/tap variable>

Input configuration

OnDialogClosed: Configure...

OnMouseClicked: Configure...

OnMouseDown: Configure...
OnMouseEnter: Configure...
OnMouseLeave: Configure...
OnMouseMove: Configure...
OnMouseUp: Configure...
Tap
 Tap FALSE: False
 Tap on enter if captured: False
Toggle
 Toggle on up if captured: False

- Push switch Id: 9
 Element name: GenElemInst_12
 Type of element: Push switch
 Static optimized: False
 Position
 X: 818
 Y: 144
 Width: 70
 Height: 70
 Variable: GVL.motor_ned
 Image settings
 Transparent: False
 Transparent color: Black
 Isotropic type: Isotropic
 Horizontal alignment: Left
 Vertical alignment: Top
 Element behavior: Image tapper
 Tap FALSE: False
 Background
 Image: Gray
- Push switch Id: 10
 Element name: GenElemInst_13
 Type of element: Push switch
 Static optimized: False
 Position
 X: 898
 Y: 148
 Width: 70
 Height: 70
 Variable: GVL.Motor_opp
 Image settings
 Transparent: False
 Transparent color: Black
 Isotropic type: Isotropic
 Horizontal alignment: Left
 Vertical alignment: Top
 Element behavior: Image tapper
 Tap FALSE: False
 Background
 Image: Green
- † Label Id: 13
 Element name: GenElemInst_16
 Type of element: Label
 Static optimized: True
 Text ID: 800
 Texts
 Text: opp

2.1.1.8 Visualization: Styring_overvaakning

Position

X: 904

Y: 166

Width: 55

Height: 30

Text properties

Horizontal alignment: Centered

Vertical alignment: Centered

Text format: Default

Font: Arial;12;Regular;Element-Table-SelectionColor, Color [A=255, R=150, G=214, B=0]

Font color

Transparency: 255

TLabel Id: 14

Element name: GenElemInst_17

Type of element: Label

Static optimized: True

Text ID: 244

Texts

Text: ned

Position

X: 832

Y: 164

Width: 41

Height: 30

Text properties

Horizontal alignment: Centered

Vertical alignment: Centered

Text format: Default

Font: Arial;12;Regular;Element-Control-HighlightColor, Color [A=255, R=150, G=214, B=0]

Font color

Transparency: 255

Text field Id: 17

Element name: GenElemInst_20

Type of element: Text field

Static optimized: False

Text ID: 698

Position

X: 644

Y: 271

Width: 92

Height: 30

Colors

Normal state

Frame color

Transparency: 255

Fill color

Transparency: 255

Alarmstate

Frame color

Transparency: 255

Fill color

Transparency: 255

Element look

Line width: 1

Fill attributes: Filled

Line style: Solid

Shadow type: From style

Texts
Text: av/på strøm

Text properties
Horizontal alignment: Centered
Vertical alignment: Centered
Text format: Default
Font: Arial;12;Regular;Font-Default-Color, Color [A=255, R=0, G=0, B=0]
Font color
Transparency: 255

Font variables
Size: , <pt>

Color variables
Toggle color: <toggle/tap variable>

Input configuration
OnDialogClosed: Configure...
OnMouseClicked: Configure...
OnMouseDown: Configure...
OnMouseEnter: Configure...
OnMouseLeave: Configure...
OnMouseMove: Configure...
OnMouseUp: Configure...

Tap
Tap FALSE: False
Tap on enter if captured: False

Toggle
Toggle on up if captured: False

- Push switch Id: 18
Element name: GenElemInst_21
Type of element: Push switch
Static optimized: False
Position
X: 1129
Y: 155
Width: 136
Height: 138
Variable: Kran_Kontroll.NODSTOP
Image settings
Transparent: False
Transparent color: Red
Isotropic type: Isotropic
Horizontal alignment: Left
Vertical alignment: Top
Element behavior: Image toggler
Tap FALSE: False
Background
Image: Red

- Text field Id: 6
Element name: GenElemInst_24
Type of element: Text field
Static optimized: False
Text ID: 378
Position
X: 615
Y: 91
Width: 246
Height: 30
Colors

Normal state
 Frame color
 Transparency: 255
 Fill color
 Transparency: 255
Alarmstate
 Frame color
 Transparency: 255
 Fill color
 Transparency: 255
Element look
 Line width: 1
 Fill attributes: Filled
 Line style: Solid
Shadow type: From style
Texts
 Text: Kontrollpanel
Text properties
 Horizontal alignment: Centered
 Vertical alignment: Centered
 Text format: Default
 Font: Arial;12;Regular;Font-Default-Color, Color [A=255, R=0, G=0, B=0]
 Font color
 Transparency: 255
Font variables
 Size: 20, <pt>
Color variables
 Toggle color: <toggle/tap variable>
Input configuration
 OnDialogClosed: Configure...
 OnMouseClicked: Configure...
 OnMouseDown: Configure...
 OnMouseEnter: Configure...
 OnMouseLeave: Configure...
 OnMouseMove: Configure...
 OnMouseUp: Configure...
 Tap
 Tap FALSE: False
 Tap on enter if captured: False
 Toggle
 Toggle on up if captured: False
■ Rectangle Id: 11
 Element name: GenElemInst_26
 Static optimized: True
 Type of element: Rectangle
 Position
 X: 593
 Y: 394
 Width: 443
 Height: 289
 Angle: 0
 Radius setting
 Radius: From style
 Value: 5
 Center
 X: 666
 Y: 487

Colors

- Normal state
 - Frame color
 - Transparency: 255
 - Fill color
 - Transparency: 255
- Alarmstate
 - Frame color
 - Transparency: 255
 - Fill color
 - Transparency: 255

Use gradient color: False

Gradient setting

- Gradient
 - Color1: Color [Black]
 - Color2: Color [White]
 - Brightnesscolor: Color [Black]

Element look

- Line width: 1
- Fill attributes: Filled
- Line style: Solid

Text properties

- Horizontal alignment: Centered
- Vertical alignment: Centered
- Text format: Default
- Font: Arial;12;Regular;Font-Default-Color, Color [A=255, R=0, G=0, B=0]
- Font color
 - Transparency: 255

Absolute movement

- Use real values: False

Font variables

- Size: , <pt>

Color variables

- Toggle color: <toggle/tap variable>

Input configuration

- OnDialogClosed: Configure...
- OnMouseClicked: Configure...
- OnMouseDown: Configure...
- OnMouseEnter: Configure...
- OnMouseLeave: Configure...
- OnMouseMove: Configure...
- OnMouseUp: Configure...

Tap

- Tap FALSE: False
- Tap on enter if captured: False

Toggle

- Toggle on up if captured: False

Text field Id: 20

- Element name: GenElemInst_29
- Type of element: Text field
- Static optimized: False
- Text ID: 299

Position

- X: 599
- Y: 399
- Width: 342
- Height: 37

Colors

- Normal state
 - Frame color
 - Transparency: 255
 - Fill color
 - Transparency: 255
- Alarmstate
 - Frame color
 - Transparency: 255
 - Fill color
 - Transparency: 255

Element look

- Line width: 1
- Fill attributes: Filled
- Line style: Solid

Shadow type: From style

Texts

- Text: Batteri overvåkning

Text properties

- Horizontal alignment: Centered
- Vertical alignment: Centered
- Text format: Default
- Font: Arial;12;Regular;Font-Default-Color, Color [A=255, R=0, G=0, B=0]
- Font color
 - Transparency: 255

Font variables

- Size: 20, <pt>

Color variables

- Toggle color: <toggle/tap variable>

Input configuration

- OnDialogClosed: Configure...
- OnMouseClicked: Configure...
- OnMouseDown: Configure...
- OnMouseEnter: Configure...
- OnMouseLeave: Configure...
- OnMouseMove: Configure...
- OnMouseUp: Configure...

Tap

- Tap FALSE: False
- Tap on enter if captured: False

Toggle

- Toggle on up if captured: False

Slider Id: 22

- Element name: GenElemInst_32
- Type of element: Slider
- Static optimized: False

Position

- X: 827
- Y: 267
- Width: 236
- Height: 30

Variable: setfrekvens

- Move to click: False

Scale

- Show scale: False
- Scale start: 0
- Scale end: 32767

Main scale: 10
Sub scale: 5
Scale format (C-Syntax): %i
Scale proportion: 0

Bar
Diagram type: Bottom
Diagram type: Right
Orientation: Horizontal
Running direction: Left to right
Running direction: Top to bottom

Text field Id: 12
Element name: GenElemInst_33
Type of element: Text field
Static optimized: False
Text ID: 708

Position
X: 822
Y: 300
Width: 150
Height: 28

Colors

Normal state
Frame color
Transparency: 255
Fill color
Transparency: 255

Alarmstate
Frame color
Transparency: 255
Fill color
Transparency: 255

Element look
Line width: 1
Fill attributes: Filled
Line style: Solid

Shadow type: From style

Texts
Text: Motorfrevens valgt: %3.1f

Text properties
Horizontal alignment: Centered
Vertical alignment: Centered
Text format: Default
Font: Arial;12;Regular;Font-Default-Color, Color [A=255, R=0, G=0, B=0]
Font color
Transparency: 255

Text variables
Text variable: Kran_Kontroll.Frekvensmotor

Font variables
Size: , <pt>

Color variables
Toggle color: <toggle/tap variable>

Input configuration
OnDialogClosed: Configure...
OnMouseClicked: Configure...
OnMouseDown: Configure...
OnMouseEnter: Configure...
OnMouseLeave: Configure...

OnMouseMove: Configure...
OnMouseUp: Configure...
Tap
 Tap FALSE: False
 Tap on enter if captured: False
Toggle
 Toggle on up if captured: False

- Power switch Id: 25
 Element name: GenElemInst_35
 Type of element: Power switch
 Static optimized: False
 Position
 X: 649
 Y: 165
 Width: 93
 Height: 92
 Variable: power
 Image settings
 Transparent: False
 Transparent color: Black
 Isotropic type: Isotropic
 Horizontal alignment: Left
 Vertical alignment: Top
 Element behavior: Image toggler
 Tap FALSE: False
 Background
 Image: Gray
- Rectangle Id: 29
 Element name: GenElemInst_39
 Static optimized: True
 Type of element: Rectangle
 Position
 X: 1057
 Y: 393
 Width: 293
 Height: 290
 Angle: 0
 Radius setting
 Radius: From style
 Value: 5
 Center
 X: 1203
 Y: 538
 Colors
 Normal state
 Frame color
 Transparency: 255
 Fill color
 Transparency: 255
 Alarmstate
 Frame color
 Transparency: 255
 Fill color
 Transparency: 255
 Use gradient color: False
 Gradient setting
 Gradient

Color1: Color [Black]
Color2: Color [White]
Brightnesscolor: Color [Black]
Element look
Line width: 1
Fill attributes: Filled
Line style: Solid
Text properties
Horizontal alignment: Centered
Vertical alignment: Centered
Text format: Default
Font: Arial;12;Regular;Font-Default-Color, Color [A=255, R=0, G=0, B=0]
Font color
Transparency: 255
Absolute movement
Use real values: False
Font variables
Size: , <pt>
Color variables
Toggle color: <toggle/tap variable>
Input configuration
OnDialogClosed: Configure...
OnMouseClicked: Configure...
OnMouseDown: Configure...
OnMouseEnter: Configure...
OnMouseLeave: Configure...
OnMouseMove: Configure...
OnMouseUp: Configure...
Tap
Tap FALSE: False
Tap on enter if captured: False
Toggle
Toggle on up if captured: False
Text field Id: 31
Element name: GenElemInst_41
Type of element: Text field
Static optimized: False
Text ID: 383
Position
X: 1069
Y: 398
Width: 269
Height: 30
Colors
Normal state
Frame color
Transparency: 255
Fill color
Transparency: 255
Alarmstate
Frame color
Transparency: 255
Fill color
Transparency: 255
Element look
Line width: 1
Fill attributes: Filled

Line style: Solid
Shadow type: From style
Texts
Text: Kran overvåkning
Text properties
Horizontal alignment: Centered
Vertical alignment: Centered
Text format: Default
Font: Arial;12;Regular;Font-Default-Color, Color [A=255, R=0, G=0, B=0]
Font color
Transparency: 255
Font variables
Size: 20, <pt>
Color variables
Toggle color: <toggle/tap variable>
Input configuration
OnDialogClosed: Configure...
OnMouseClicked: Configure...
OnMouseDown: Configure...
OnMouseEnter: Configure...
OnMouseLeave: Configure...
OnMouseMove: Configure...
OnMouseUp: Configure...
Tap
Tap FALSE: False
Tap on enter if captured: False
Toggle
Toggle on up if captured: False
Text field Id: 32
Element name: GenElemInst_42
Type of element: Text field
Static optimized: False
Text ID: 933
Position
X: 1070
Y: 494
Width: 176
Height: 30
Colors
Normal state
Frame color
Transparency: 255
Fill color
Transparency: 255
Alarmstate
Frame color
Transparency: 255
Fill color
Transparency: 255
Element look
Line width: 1
Fill attributes: Filled
Line style: Solid
Shadow type: From style
Texts
Text: %s
Text properties

2.1.1.8 Visualization: Styring_overvaakning

Horizontal alignment: Centered
Vertical alignment: Centered
Text format: Default
Font: Arial;12;Regular;Font-Default-Color, Color [A=255, R=0, G=0, B=0]
Font color
 Transparency: 255
Text variables
 Text variable: Kran_Kontroll.Meld_kran_pos
Font variables
 Size: , <pt>
Color variables
 Toggle color: <toggle/tap variable>
Input configuration
 OnDialogClosed: Configure...
 OnMouseClicked: Configure...
 OnMouseDown: Configure...
 OnMouseEnter: Configure...
 OnMouseLeave: Configure...
 OnMouseMove: Configure...
 OnMouseUp: Configure...
Tap
 Tap FALSE: False
 Tap on enter if captured: False
Toggle
 Toggle on up if captured: False
■ Text field Id: 33
Element name: GenElemInst_43
Type of element: Text field
Static optimized: False
Text ID: 822
Position
 X: 1253
 Y: 494
 Width: 85
 Height: 30
Colors
 Normal state
 Frame color
 Transparency: 255
 Fill color
 Transparency: 255
 Alarmstate
 Frame color
 Transparency: 255
 Fill color
 Transparency: 255
Element look
 Line width: 1
 Fill attributes: Filled
 Line style: Solid
Shadow type: From style
Texts
 Text: %3.1f cm
Text properties
 Horizontal alignment: Centered
 Vertical alignment: Centered
 Text format: Default

2.1.1.8 Visualization: Styring_overvaakning

Font: Arial;12;Regular;Font-Default-Color, Color [A=255, R=0, G=0, B=0]
Font color
 Transparency: 255
Text variables
 Text variable: Kran_Kontroll.avstand_fra_toppen
Font variables
 Size: , <pt>
Color variables
 Toggle color: <toggle/tap variable>
Input configuration
 OnDialogClosed: Configure...
 OnMouseClicked: Configure...
 OnMouseDown: Configure...
 OnMouseEnter: Configure...
 OnMouseLeave: Configure...
 OnMouseMove: Configure...
 OnMouseUp: Configure...
Tap
 Tap FALSE: False
 Tap on enter if captured: False
Toggle
 Toggle on up if captured: False

- Lamp Id: 34
 Element name: GenElemInst_44
 Type of element: Lamp
 Static optimized: False
 Position
 X: 1076
 Y: 551
 Width: 70
 Height: 70
 Variable: GVL.bunn_pos
 Image settings
 Transparent: False
 Transparent color: Black
 Isotropic type: Isotropic
 Horizontal alignment: Left
 Vertical alignment: Top
 Background
 Image: Yellow
- Lamp Id: 35
 Element name: GenElemInst_45
 Type of element: Lamp
 Static optimized: False
 Position
 X: 1161
 Y: 553
 Width: 70
 Height: 70
 Variable: GVL.topp_pos
 Image settings
 Transparent: False
 Transparent color: Black
 Isotropic type: Isotropic
 Horizontal alignment: Left
 Vertical alignment: Top
 Background

Image: Yellow

T Label Id: 37
Element name: GenElemInst_47
Type of element: Label
Static optimized: True
Text ID: 844
Texts
Text: TOPP
Position
X: 1120
Y: 620
Width: 150
Height: 30
Text properties
Horizontal alignment: Centered
Vertical alignment: Centered
Text format: Default
Font: Arial;12;Regular;Font-Default-Color, Color [A=255, R=0, G=0, B=0]
Font color
Transparency: 255

T Label Id: 38
Element name: GenElemInst_48
Type of element: Label
Static optimized: True
Text ID: 10
Texts
Text: BUNN
Position
X: 1035
Y: 621
Width: 150
Height: 30
Text properties
Horizontal alignment: Centered
Vertical alignment: Centered
Text format: Default
Font: Arial;12;Regular;Font-Default-Color, Color [A=255, R=0, G=0, B=0]
Font color
Transparency: 255

• Push switch Id: 40
Element name: GenElemInst_50
Type of element: Push switch
Static optimized: False
Position
X: 1249
Y: 553
Width: 74
Height: 71
Variable: GVL.kalibrering
Image settings
Transparent: False
Transparent color: Black
Isotropic type: Isotropic
Horizontal alignment: Left
Vertical alignment: Top
Element behavior: Image tapper
Tap FALSE: False

Background
Image: Gray

Label Id: 42
Element name: GenElemInst_52
Type of element: Label
Static optimized: True
Text ID: 811

Texts
Text: Kalibrer avstand,

Position
X: 1214
Y: 619
Width: 147
Height: 50

Text properties
Horizontal alignment: Centered
Vertical alignment: Centered
Text format: Default
Font: Arial;12;Regular;Font-Default-Color, Color [A=255, R=0, G=0, B=0]
Font color
Transparency: 255

Text field Id: 44
Element name: GenElemInst_54
Type of element: Text field
Static optimized: False
Text ID: 530

Position
X: 881
Y: 224
Width: 91
Height: 28

Colors

Normal state
Frame color
Transparency: 255
Fill color
Transparency: 255

Alarmstate
Frame color
Transparency: 255
Fill color
Transparency: 255

Element look
Line width: 1
Fill attributes: Filled
Line style: Solid

Shadow type: From style

Texts
Text: Kjør kran

Text properties
Horizontal alignment: Centered
Vertical alignment: Centered
Text format: Default
Font: Arial;12;Regular;Font-Default-Color, Color [A=255, R=0, G=0, B=0]
Font color
Transparency: 255

Font variables

Size: , <pt>
Color variables
Toggle color: <toggle/tap variable>
Input configuration
OnDialogClosed: Configure...
OnMouseClicked: Configure...
OnMouseDown: Configure...
OnMouseEnter: Configure...
OnMouseLeave: Configure...
OnMouseMove: Configure...
OnMouseUp: Configure...
Tap
Tap FALSE: False
Tap on enter if captured: False
Toggle
Toggle on up if captured: False
■ Text field Id: 46
Element name: GenElemInst_56
Type of element: Text field
Static optimized: False
Text ID: 134
Position
X: 822
Y: 337
Width: 150
Height: 30
Colors
Normal state
Frame color
Transparency: 255
Fill color
Transparency: 255
Alarmstate
Frame color
Transparency: 255
Fill color
Transparency: 255
Element look
Line width: 1
Fill attributes: Filled
Line style: Solid
Shadow type: From style
Texts
Text: Motorfrekvens målt: %3.1f
Text properties
Horizontal alignment: Centered
Vertical alignment: Centered
Text format: Default
Font: Arial;12;Regular;Font-Default-Color, Color [A=255, R=0, G=0, B=0]
Font color
Transparency: 255
Text variables
Text variable: Kran_Kontroll.M_FRQ
Font variables
Size: , <pt>
Color variables
Toggle color: <toggle/tap variable>

Input configuration

OnDialogClosed: Configure...

OnMouseClicked: Configure...

OnMouseDown: Configure...

OnMouseEnter: Configure...

OnMouseLeave: Configure...

OnMouseMove: Configure...

OnMouseUp: Configure...

Tap

Tap FALSE: False

Tap on enter if captured: False

Toggle

Toggle on up if captured: False

Text field Id: 47

Element name: GenElemInst_57

Type of element: Text field

Static optimized: False

Text ID: 109

Position

X: 1070

Y: 456

Width: 150

Height: 30

Colors

Normal state

Frame color

Transparency: 255

Fill color

Transparency: 255

Alarmstate

Frame color

Transparency: 255

Fill color

Transparency: 255

Element look

Line width: 1

Fill attributes: Filled

Line style: Solid

Shadow type: From style

Texts

Text: Turtall trommel %4.1f

Text properties

Horizontal alignment: Centered

Vertical alignment: Centered

Text format: Default

Font: Arial;12;Regular;Font-Default-Color, Color [A=255, R=0, G=0, B=0]

Font color

Transparency: 255

Text variables

Text variable: Kran_Kontroll.T_RPM

Font variables

Size: , <pt>

Color variables

Toggle color: <toggle/tap variable>

Input configuration

OnDialogClosed: Configure...

OnMouseClicked: Configure...

OnMouseDown: Configure...
OnMouseEnter: Configure...
OnMouseLeave: Configure...
OnMouseMove: Configure...
OnMouseUp: Configure...
Tap
 Tap FALSE: False
 Tap on enter if captured: False
Toggle
 Toggle on up if captured: False
● Push switch Id: 50
 Element name: GenElemInst_61
 Type of element: Push switch
 Static optimized: False
 Position
 X: 621
 Y: 569
 Width: 77
 Height: 76
 Variable: Kran_Kontroll.lader
 Image settings
 Transparent: False
 Transparent color: Black
 Isotropic type: Isotropic
 Horizontal alignment: Left
 Vertical alignment: Top
 Element behavior: Image tapper
 Tap FALSE: False
 Background
 Image: Gray
† Label Id: 52
 Element name: GenElemInst_63
 Type of element: Label
 Static optimized: True
 Text ID: 629
 Texts
 Text: Reset
 Position
 X: 631
 Y: 589
 Width: 57
 Height: 36
 Text properties
 Horizontal alignment: Centered
 Vertical alignment: Centered
 Text format: Default
 Font: Arial;12;Regular;Element-Table-SelectionColor, Color [A=255, R=150, G=214, B=0]
 Font color
 Transparency: 255
▣ Text field Id: 54
 Element name: GenElemInst_65
 Type of element: Text field
 Static optimized: False
 Text ID: 340
 Position
 X: 601
 Y: 527

Width: 100
Height: 30
Colors
Normal state
Frame color
Transparency: 255
Fill color
Transparency: 255
Alarmstate
Frame color
Transparency: 255
Fill color
Transparency: 255
Element look
Line width: 1
Fill attributes: Filled
Line style: Solid
Shadow type: From style
Texts
Text: Wh brukt : %10.3f
Text properties
Horizontal alignment: Centered
Vertical alignment: Centered
Text format: Default
Font: Arial;12;Regular;Font-Default-Color, Color [A=255, R=0, G=0, B=0]
Font color
Transparency: 255
Text variables
Text variable: Kran_Kontroll.Wh
Font variables
Size: , <pt>
Color variables
Toggle color: <toggle/tap variable>
Input configuration
OnDialogClosed: Configure...
OnMouseClicked: Configure...
OnMouseDown: Configure...
OnMouseEnter: Configure...
OnMouseLeave: Configure...
OnMouseMove: Configure...
OnMouseUp: Configure...
Tap
Tap FALSE: False
Tap on enter if captured: False
Toggle
Toggle on up if captured: False
■ Text field Id: 56
Element name: GenElemInst_67
Type of element: Text field
Static optimized: False
Text ID: 68
Position
X: 776
Y: 459
Width: 150
Height: 30
Colors

Normal state
Frame color
Transparency: 255
Fill color
Transparency: 255
Alarmstate
Frame color
Transparency: 255
Fill color
Transparency: 255
Element look
Line width: 1
Fill attributes: Filled
Line style: Solid
Shadow type: From style
Texts
Text: Irms: %4.2f mA
Text properties
Horizontal alignment: Centered
Vertical alignment: Centered
Text format: Default
Font: Arial;12;Regular;Font-Default-Color, Color [A=255, R=0, G=0, B=0]
Font color
Transparency: 255
Text variables
Text variable: Kran_Kontroll.RMS_strom
Font variables
Size: , <pt>
Color variables
Toggle color: <toggle/tap variable>
Input configuration
OnDialogClosed: Configure...
OnMouseClicked: Configure...
OnMouseDown: Configure...
OnMouseEnter: Configure...
OnMouseLeave: Configure...
OnMouseMove: Configure...
OnMouseUp: Configure...
Tap
Tap FALSE: False
Tap on enter if captured: False
Toggle
Toggle on up if captured: False
Text field Id: 59
Element name: GenElemInst_69
Type of element: Text field
Static optimized: False
Text ID: 868
Position
X: 776
Y: 496
Width: 150
Height: 30
Colors
Normal state
Frame color
Transparency: 255

Fill color
 Transparency: 255

Alarmstate

Frame color
 Transparency: 255

Fill color
 Transparency: 255

Element look

Line width: 1

Fill attributes: Filled

Line style: Solid

Shadow type: From style

Texts

 Text: U: %s V

Text properties

 Horizontal alignment: Centered

 Vertical alignment: Centered

 Text format: Default

 Font: Arial;12;Regular;Font-Default-Color, Color [A=255, R=0, G=0, B=0]

 Font color
 Transparency: 255

Text variables

 Text variable: Kran_Kontroll.spenning

Font variables

 Size: , <pt>

Color variables

 Toggle color: <toggle/tap variable>

Input configuration

 OnDialogClosed: Configure...

 OnMouseClicked: Configure...

 OnMouseDown: Configure...

 OnMouseEnter: Configure...

 OnMouseLeave: Configure...

 OnMouseMove: Configure...

 OnMouseUp: Configure...

Tap

 Tap FALSE: False

 Tap on enter if captured: False

Toggle

 Toggle on up if captured: False

■ Text field Id: 61

Element name: GenElemInst_71

Type of element: Text field

Static optimized: False

Text ID: 951

Position

 X: 776

 Y: 537

 Width: 150

 Height: 30

Colors

 Normal state

 Frame color
 Transparency: 255

 Fill color
 Transparency: 255

 Alarmstate

Frame color
 Transparency: 255
Fill color
 Transparency: 255
Element look
 Line width: 1
 Fill attributes: Filled
 Line style: Solid
Shadow type: From style
Texts
 Text: P: %10.3f W
Text properties
 Horizontal alignment: Centered
 Vertical alignment: Centered
 Text format: Default
 Font: Arial;12;Regular;Font-Default-Color, Color [A=255, R=0, G=0, B=0]
 Font color
 Transparency: 255
Text variables
 Text variable: Kran_Kontroll.RMS_strom
 Tooltip variable: Kran_Kontroll.effekt
Font variables
 Size: , <pt>
Color variables
 Toggle color: <toggle/tap variable>
Input configuration
 OnDialogClosed: Configure...
 OnMouseClicked: Configure...
 OnMouseDown: Configure...
 OnMouseEnter: Configure...
 OnMouseLeave: Configure...
 OnMouseMove: Configure...
 OnMouseUp: Configure...
Tap
 Tap FALSE: False
 Tap on enter if captured: False
Toggle
 Toggle on up if captured: False
● Lamp Id: 64
 Element name: GenElemInst_74
 Type of element: Lamp
 Static optimized: False
Position
 X: 1267
 Y: 435
 Width: 56
 Height: 44
 Variable: IoConfig_Globals_Mapping.magnet
Image settings
 Transparent: False
 Transparent color: Black
 Isotropic type: Isotropic
 Horizontal alignment: Left
 Vertical alignment: Top
Background
 Image: Yellow
T Label Id: 66

Element name: GenElemInst_76

Type of element: Label

Static optimized: True

Text ID: 628

Texts

Text: Endebyter

Position

X: 1248

Y: 469

Width: 83

Height: 30

Text properties

Horizontal alignment: Centered

Vertical alignment: Centered

Text format: Default

Font: Arial;12;Regular;Font-Default-Color, Color [A=255, R=0, G=0, B=0]

Font color

Transparency: 255

● Push switch Id: 67

Element name: GenElemInst_77

Type of element: Push switch

Static optimized: False

Position

X: 980

Y: 148

Width: 70

Height: 70

Variable: IoConfig_Globals_Mapping.stop

Image settings

Transparent: False

Transparent color: Black

Isotropic type: Isotropic

Horizontal alignment: Left

Vertical alignment: Top

Element behavior: Image tapper

Tap FALSE: False

Background

Image: Gray

T Label Id: 71

Element name: GenElemInst_80

Type of element: Label

Static optimized: True

Text ID: 821

Texts

Text: Stopp

Position

X: 986

Y: 165

Width: 55

Height: 30

Text properties

Horizontal alignment: Centered

Vertical alignment: Centered

Text format: Default

Font: Arial;12;Regular;Element-Table-SelectionColor, Color [A=255, R=150, G=214, B=0]

Font color

Transparency: 255

2.2 Device: Kbus

K-BUS Parameters

Parameters:

Name:	Type:	Value:	Default Value:	Unit:	Description:
k-bus cycle time	UINT(1..50)	10	10		cycle time in [ms]
k-bus event control 1					cycle offset and cycle number
offset	USINT	0	0		offset in number of cycles
cycle number	USINT	2	2		cycle number (disable event with zero)
k-bus event control 2					cycle offset and cycle number
offset	USINT	1	1		offset in number of cycles
cycle number	USINT	4	4		cycle number (disable event with zero)
k-bus event control 3					cycle offset and cycle number
offset	USINT	3	3		offset in number of cycles
cycle number	USINT	8	8		cycle number (disable event with zero)
k-bus event control 4					cycle offset and cycle number
offset	USINT	7	7		offset in number of cycles
cycle number	USINT	16	16		cycle number (disable event with zero)
program start interlock	BOOL	TRUE	TRUE		locks on configuration error

Information

Name: Kbus
 Vendor: WAGO
 Categories:
 Type: 32778
 ID: Wago 750-Series Local Bus Interface
 Version: 1.4.0.2
 Description: WAGO Kbus Interface

2.2.1 Device: _4AI_4_20mA_SE

K-BUS Parameters

Parameters:

Name:	Type:	Value:	Default Value:	Unit:	Description:
K-BUS module slot index	BYTE	1	0		K-BUS slot index of the module (1 indexed)
Optional module	BOOL	0	0		Mark module as optional
Module compare value	STRING	'000001C7UUUUUUUUU'	'000001C7UUUUUUUUU'		Desired value
Module attitude	STRING	0750-0455	0750-0455		Module attitude

Information

Name: 0750-0455
 Vendor: WAGO
 Categories:
 Type: 32776
 ID: 07500455

2.2.1 Device: _4AI_4_20mA_SE

Version: 0.0.0.12
Order number: 0750-0455
Description: 4AI 4-20mA SE

2.2.2 Device: _4AO_4_20mA

K-BUS Parameters

Parameters:

Name:	Type:	Value:	Default Value:	Unit:	Description:
K-BUS module slot index	BYTE	2	0		K-BUS slot index of the module (1 indexed)
Optional module	BOOL	0	0		Mark module as optional
Module compare value	STRING	'0000022BUUUUUUUUU'	'0000022BUUUUUUUUU'		Desired value
Module attitude	STRING	0750-0555	0750-0555		Module attitude

Information

Name: 0750-0555
Vendor: WAGO
Categories:
Type: 32776
ID: 07500555
Version: 0.0.0.12
Order number: 0750-0555
Description: 4AO 4-20mA

2.2.3 Device: _2Up_Down_Counter_16bits_500Hz

K-BUS Parameters

Parameters:

Name:	Type:	Value:	Default Value:	Unit:	Description:
K-BUS module slot index	BYTE	3	0		K-BUS slot index of the module (1 indexed)
Optional module	BOOL	0	0		Mark module as optional
Module compare value	STRING	'0000027EUUUUUUUUU'	'0000027EUUUUUUUUU'		Desired value
Module attitude	STRING	0750-0638	0750-0638		Module attitude

Information

Name: 0750-0638
Vendor: WAGO
Categories:
Type: 32776
ID: 07500638
Version: 0.0.0.11
Order number: 0750-0638
Description: 2Up/Down Counter 16bits 500Hz

2.2.4 Device: _16_DI_Generic

K-BUS Parameters

Parameters:

Name:	Type:	Value:	Default Value:	Unit:	Description:
K-BUS module slot index	BYTE	4	0		K-BUS slot index of the module (1 indexed)
Optional module	BOOL	0	0		Mark module as optional
Module compare value	STRING	'UUUUU9001UUUUUUUUU'	'UUUUU9001UUUUUUUUU'		Desired value
Module attitude	STRING	075x-16DI	075x-16DI		Module attitude

Information

Name: 075x-16DI
 Vendor: WAGO
 Categories:
 Type: 32776
 ID: 075x16DI
 Version: 0.0.0.13
 Order number: 075x-16DI
 Description: 16 DI Generic

2.2.5 Device: _16_DO_Generic

K-BUS Parameters

Parameters:

Name:	Type:	Value:	Default Value:	Unit:	Description:
K-BUS module slot index	BYTE	5	0		K-BUS slot index of the module (1 indexed)
Optional module	BOOL	0	0		Mark module as optional
Module compare value	STRING	'UUUUU9002UUUUUUUUU'	'UUUUU9002UUUUUUUUU'		Desired value
Module attitude	STRING	075x-16DO	075x-16DO		Module attitude

Information

Name: 075x-16DO
 Vendor: WAGO
 Categories:
 Type: 32776
 ID: 075x16DO
 Version: 0.0.0.13
 Order number: 075x-16DO
 Description: 16 DO Generic

2.2.6 Device: _4AI_RTD_Adjust

K-BUS Parameters

Parameters:

Name:	Type:	Value:	Default Value:	Unit:	Description:
K-BUS module slot index	BYTE	6	0		K-BUS slot index of the module (1 indexed)
Optional module	BOOL	0	0		Mark module as optional
Module compare value	STRING	'000001C2UUUUUUUUU'	'000001C2UUUUUUUUU'		Desired value
Module attitude	STRING	0750-0450	0750-0450		Module attitude

Information

Name: 0750-0450
Vendor: WAGO
Categories:
Type: 32776
ID: 07500450
Version: 0.0.0.9
Order number: 0750-0450
Description: 4AI RTD Adjust

2.3 Connector: MODBUS

MODBUS I/O Mapping

2.3.1 Device: MODBUS

Information

Name: MODBUS
Vendor: WAGO
Categories:
Type: 32777
ID: 1006 0001
Version: 1.1.1.15
Order number: n/a
Description: This device implements master and slave functionality for MODBUS.

3 GlobalTextList: GlobalTextList

4 : Licenses

4.1 : Assigned licenses

Assigned licenses

Device name Item number Item description License key Serial number

4.2 : License requirement

License requirement

Function/library name Version Manufacturer Licensed product Points/number

5 : Project Settings

Static Analysis Light:

Unused variables (#33): 0

Overlapping memory areas (#28): 0

Write access from several tasks (#6): 0

Multiple write access on output (#4): 0

Multiple uses of identifiers (#27): 0

Report temporary FunctionBlock instances (#167): 0