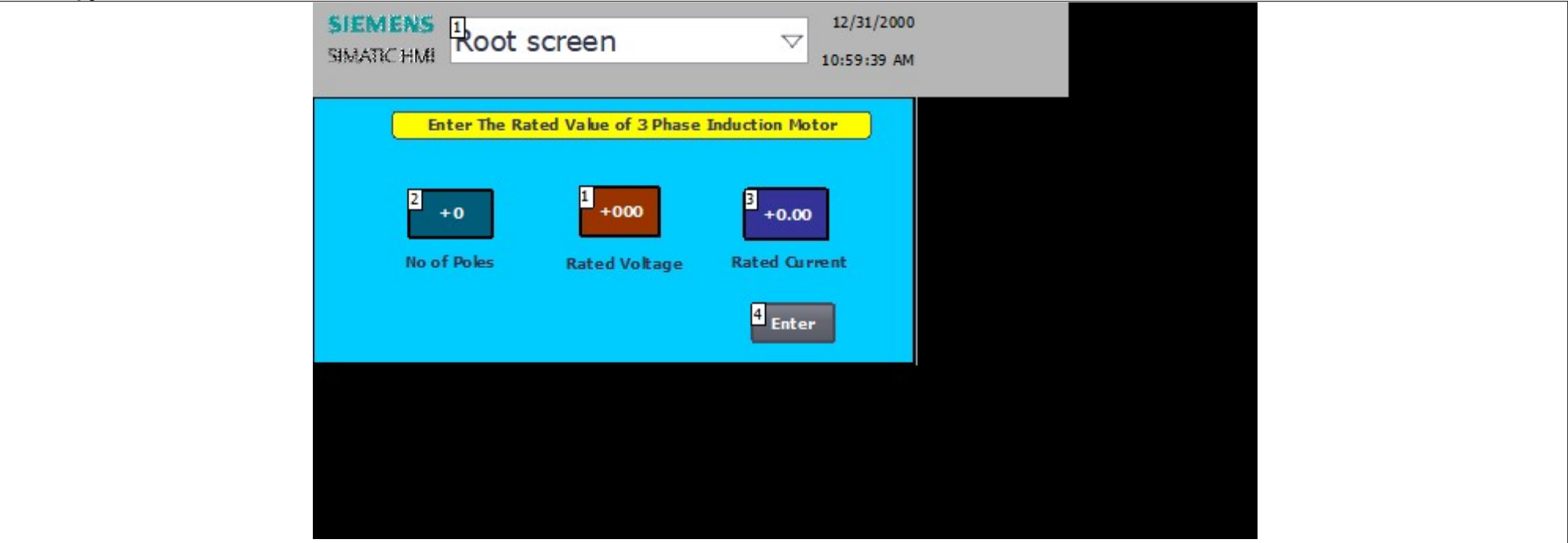# Fault detection of 3ph Induction Motor using PLC & HMI / HMI_1 [KP400 Comfort] / Screens

Root screen

Hardcopy of Root screen

General

Name	Root screen	Background color	182, 182, 182	Grid color	0, 0, 0
Number	1	Template	Template_1	Tooltip	

Layers

Active layer	0		

Layer_0		Enabled
Layer_1		Enabled
Layer_2		Enabled
Layer_3		Enabled
Layer_4		Enabled
Layer_5		Enabled
Layer_6		Enabled
Layer_7		Enabled
Layer_8		Enabled
Layer_9		Enabled
Layer_10		Enabled
Layer_11		Enabled
Layer_12		Enabled
Layer_13		Enabled
Layer_14		Enabled
Layer_15		Enabled
Layer_16		Enabled
Layer_17		Enabled
Layer_18		Enabled
Layer_19		Enabled
Layer_20		Enabled
Layer_21		Enabled
Layer_22		Enabled
Layer_23		Enabled
Layer_24		Enabled
Layer_25		Enabled
Layer_26		Enabled
Layer_27		Enabled
Layer_28		Enabled
Layer_29		Enabled
Layer_30		Enabled
Layer_31		Enabled

Dynamizations\Event

Event name		Loaded

Function list\SetTag

Tag	Tag_ScreenNumber	Value	1

Rectangle_1

Type	Rectangle		

Appearance

Background color	0, 204, 255	Background fill pattern	Solid	Border width	2
Line style	Solid	Border color	0, 0, 0		

Layout

X position	0	Y position	0	Width	477
Height	211	Round corner width	0	Round corner height	0

Flashing

Flashing	Disabled		

Styles/Designs					
Use style/design	Disabled	Style item appearance			
Miscellaneous					
Name	Rectangle_1	Layer	0 - Layer_0		

Text field_1

Type	Text field				
General					
Text	Enter The Rated Value of 3 Phase Induction Motor				
Appearance					
Background color	255, 255, 0	Background fill pattern	Solid	Corner radius (border)	3
Foreground color	49, 52, 74	Border width	1	Line style	Double line
Border color	71, 73, 87	Border background color	101, 103, 115		
Layout					
X position	63	Y position	11	Width	380
Height	22	Left margin	3	Top margin	2
Right margin	2	Bottom margin	2	Fit object to contents	Enabled
Text format					
Font	Tahoma, 13px, style=Bold	Orientation	Horizontal	Horizontal alignment	Centered
Vertical alignment	Middle	Line break	Disabled		
Flashing					
Flashing	Disabled				
Styles/Designs					
Use style/design	Disabled	Style item appearance			
Miscellaneous					
Name	Text field_1	Layer	0 - Layer_0		

I/O field_1

Type	I/O field				
General					
Process value		Mode	Input/output	Display format	Decimal
Shift decimal point	0	Field length	3	Show leading zeros	Disabled
Format pattern	s999				
Appearance					
Background color	153, 51, 0	Background fill pattern	Solid	Corner radius	3
Foreground color	255, 255, 255	Unit		Border width	3
Line style	Solid	Border color	0, 0, 0	Border background color	101, 103, 115
Characteristics					
Hidden input	Disabled				
Layout					
X position	211	Y position	70	Width	66
Height	42	Left margin	3	Top margin	2
Right margin	2	Bottom margin	2	Fit object to contents	Disabled
Text format					
Font	Tahoma, 13px, style=Bold	Orientation	Horizontal	Horizontal alignment	Centered
Vertical alignment	Middle	Line break	Disabled		
Flashing					
Flashing	Disabled	Flash on limit violation	Disabled		
Limits					
Color for High limit violated	237, 88, 97	Color for Low limit violated	241, 161, 44		
Styles/Designs					
Use style/design	Disabled	Style item appearance			
Miscellaneous					
Name	I/O field_1	Layer	0 - Layer_0	Tooltip	
Security					
Authorization		Allow operator control	Enabled		
Dynamizations\Tag connection					
Property name	Process value	Tag	Rated Voltage according th Nameplate		

I/O field_2

Type	I/O field				
General					
Process value		Mode	Input/output	Display format	Decimal
Shift decimal point	0	Field length	1	Show leading zeros	Disabled
Format pattern	s9				
Appearance					
Background color	0, 92, 120	Background fill pattern	Solid	Corner radius	3
Foreground color	255, 255, 255	Unit		Border width	3
Line style	Solid	Border color	0, 0, 0	Border background color	101, 103, 115
Characteristics					
Hidden input	Disabled				
Layout					
X position	75	Y position	72	Width	69

Height	41	Left margin	3	Top margin	2
Right margin	2	Bottom margin	2	Fit object to contents	Disabled

Text format

Font	Tahoma, 13px, style=Bold	Orientation	Horizontal	Horizontal alignment	Centered
Vertical alignment	Middle	Line break	Disabled		

Flashing

Flashing	Disabled	Flash on limit viola-tion	Disabled		

Limits

Color for High limit violated	237, 88, 97	Color for Low limit violated	241, 161, 44		

Styles/Designs

Use style/design	Disabled	Style item appear-ance			

Miscellaneous

Name	I/O field_2	Layer	0 - Layer_0	Tooltip	

Security

Authorization		Allow operator con-trol	Enabled		

Dynamizations\Tag connection

Property name	Process value	Tag	No of poles		

I/O field_3

Type	I/O field		

General

Process value		Mode	Input/output	Display format	Decimal
Shift decimal point	0	Field length	4	Show leading zeros	Disabled
Format pattern	s9.99				

Appearance

Background color	51, 51, 153	Background fill pat-tern	Solid	Corner radius	3
Foreground color	255, 255, 255	Unit		Border width	2
Line style	Solid	Border color	0, 0, 0	Border background color	101, 103, 115

Characteristics

Hidden input	Disabled		

Layout

X position	342	Y position	72	Width	68
Height	42	Left margin	3	Top margin	2
Right margin	2	Bottom margin	2	Fit object to contents	Disabled

Text format

Font	Tahoma, 13px, style=Bold	Orientation	Horizontal	Horizontal alignment	Centered
Vertical alignment	Middle	Line break	Disabled		

Flashing

Flashing	Disabled	Flash on limit viola-tion	Disabled		

Limits

Color for High limit violated	237, 88, 97	Color for Low limit violated	241, 161, 44		

Styles/Designs

Use style/design	Disabled	Style item appear-ance			

Miscellaneous

Name	I/O field_3	Layer	0 - Layer_0	Tooltip	

Security

Authorization		Allow operator con-trol	Enabled		

Dynamizations\Tag connection

Property name	Process value	Tag	Rated Current According to Nameplate		

Text field_5

Type	Text field		

General

Text	No of Poles		

Appearance

Background color	255, 255, 255	Background fill pat-tern	Transparent	Corner radius (bor-der)	3
Foreground color	49, 52, 74	Border width	0	Line style	Double line
Border color	71, 73, 87	Border background color	101, 103, 115		

Layout

X position	71	Y position	121	Width	87
Height	20	Left margin	3	Top margin	2
Right margin	2	Bottom margin	2	Fit object to contents	Enabled

Text format

Font	Tahoma, 13px, style=Bold	Orientation	Horizontal	Horizontal alignment	Left
Vertical alignment	Middle	Line break	Disabled		

Flashing

Flashing	Disabled		

Styles/Designs

Use style/design	Disabled	Style item appear-ance			

Miscellaneous

Name	Text field_5	Layer	0 - Layer_0		

Text field_6

Type	Text field				
General					
Text	Rated Voltage				
Appearance					
Background color	255, 255, 255	Background fill pattern	Transparent	Corner radius (border)	3
Foreground color	49, 52, 74	Border width	0	Line style	Double line
Border color	71, 73, 87	Border background color	101, 103, 115		
Layout					
X position	198	Y position	122	Width	111
Height	20	Left margin	3	Top margin	2
Right margin	2	Bottom margin	2	Fit object to contents	Enabled
Text format					
Font	Tahoma, 13px, style=Bold	Orientation	Horizontal	Horizontal alignment	Left
Vertical alignment	Middle	Line break	Disabled		
Flashing					
Flashing	Disabled				
Styles/Designs					
Use style/design	Disabled	Style item appearance			
Miscellaneous					
Name	Text field_6	Layer	0 - Layer_0		

Text field_7

Type	Text field				
General					
Text	Rated Current				
Appearance					
Background color	255, 255, 255	Background fill pattern	Transparent	Corner radius (border)	3
Foreground color	49, 52, 74	Border width	0	Line style	Double line
Border color	71, 73, 87	Border background color	101, 103, 115		
Layout					
X position	329	Y position	120	Width	111
Height	20	Left margin	3	Top margin	2
Right margin	2	Bottom margin	2	Fit object to contents	Enabled
Text format					
Font	Tahoma, 13px, style=Bold	Orientation	Horizontal	Horizontal alignment	Left
Vertical alignment	Middle	Line break	Disabled		
Flashing					
Flashing	Disabled				
Styles/Designs					
Use style/design	Disabled	Style item appearance			
Miscellaneous					
Name	Text field_7	Layer	0 - Layer_0		

Button_1

Type	Button				
General					
Mode	Text	Hotkey	None	Text OFF	Enter
Text ON	Text	Text list		Graphic OFF	
Graphic ON		Graphic list		Process value	
Bit number	0				
Appearance					
Background color	99, 101, 113	Background fill pattern	Vertical gradient	Corner radius (border)	3
Foreground color	255, 255, 255	Border width	2	Line style	Solid
Border color	71, 73, 87	Border background color	105, 105, 105		
Fill pattern					
Background color gradient (fill pattern)	99, 101, 113	Gradient 1 (fill pattern)	Enabled	Color gradient 1 (fill pattern)	131, 132, 142
Offset gradient 1 (fill pattern)	15	Gradient 2 (fill pattern)	Enabled	Color gradient 2 (fill pattern)	88, 90, 103
Offset gradient 2 (fill pattern)	15				
Design					
Focus width	2	Focus color	148, 182, 231		
Layout					
X position	348	Y position	163	Width	67
Height	32	Fit graphic to size	Stretch graphic	Horizontal alignment of the graphic	Centered
Vertical alignment of the graphic	Middle	Fit object to contents	Disabled	Margin left text (layout)	0
Margin top text (layout)	0	Margin right text (layout)	0	Margin bottom text (layout)	0
Margin left graphic (layout)	0	Margin top graphic (layout)	0	Margin right graphic (layout)	0
Margin bottom graphic (layout)	0				

Text format

Font	Tahoma, 13px, style=Bold	Orientation	Horizontal	Horizontal alignment of the text	Centered
Vertical alignment of the text	Middle				

Flashing

Flashing	Disabled

Styles/Designs

Use style/design	Disabled	Style item appearance	

Miscellaneous

Name	Button_1	Layer	0 - Layer_0	Tooltip	

Security

Authorization		Allow operator control	Enabled		

Dynamizations\Event

Event name		Click

Function list\ActivateScreen

Screen name	Screen_1	Object number	0

Hardcopy of Permanent area

General

Name	Permanent area	Background color	182, 182, 182	Grid color	0, 0, 0
Height	60				

Layers

Active layer	0

Layer_0	Enabled
Layer_1	Enabled
Layer_2	Enabled
Layer_3	Enabled
Layer_4	Enabled
Layer_5	Enabled
Layer_6	Enabled
Layer_7	Enabled
Layer_8	Enabled
Layer_9	Enabled
Layer_10	Enabled
Layer_11	Enabled
Layer_12	Enabled
Layer_13	Enabled
Layer_14	Enabled
Layer_15	Enabled
Layer_16	Enabled
Layer_17	Enabled
Layer_18	Enabled
Layer_19	Enabled
Layer_20	Enabled
Layer_21	Enabled
Layer_22	Enabled
Layer_23	Enabled
Layer_24	Enabled
Layer_25	Enabled
Layer_26	Enabled
Layer_27	Enabled
Layer_28	Enabled
Layer_29	Enabled
Layer_30	Enabled
Layer_31	Enabled

Symbolic_IO_Field_Screen

Type	Symbolic I/O field

General

Process value	0	Bit number	0	Mode	Input/output
Value status ON	1	Text OFF	0	Text ON	1
Text list	TextList_ScreenNames	Number of visible items	3		

Appearance

Background color	255, 255, 255	Background fill pattern	Solid	Foreground color	49, 52, 74
Border width	1	Line style	Solid	Border color	156, 154, 165
Border background color	226, 225, 225				

Design

Foreground color of selection	255, 255, 255	Background color of selection	162, 204, 213	Alternative color	230, 230, 232

Layout

X position	109	Y position	11	Width	284
Height	38	Left margin	3	Top margin	2

Right margin	2	Bottom margin	2	Fit object to contents	Disabled
Display selection list	Enabled	Show selection field	Enabled		

Text format

Font	Tahoma, 24px	Orientation	Horizontal	Horizontal alignment	Left
Vertical alignment	Middle				

Flashing

Flashing	Disabled	Flash on limit violation	Disabled		

Limits

Color for High limit violated	237, 88, 97	Color for Low limit violated	241, 161, 44		

Styles/Designs

Use style/design	Disabled	Style item appearance			

Miscellaneous

Name	Symbolic_IO_Field_Screen	Layer	0 - Layer_0	Tooltip	

Security

Authorization		Allow operator control	Enabled		

Dynamizations\Tag connection

Property name	Process value	Tag	Tag_ScreenNumber		

Dynamizations\Event

Event name		Change	

Function list\ActivateScreenByNumber

Screen number	Tag_ScreenNumber	Object number	0

HmiScreenItemData

Type	Date/time field

General

Long date/time format	Disabled	Display system time	Enabled	Process value	
Show date	Disabled	Show time	Enabled	Mode	Output

Appearance

Foreground color	0, 0, 0	Background color	255, 255, 255	Background fill pattern	Transparent
Corner radius (border)	3	Border width	0	Line style	Double line
Border color	156, 154, 165	Border background color	226, 225, 225		

Layout

X position	395	Y position	30	Width	85
Height	30	Left margin	3	Top margin	2
Right margin	2	Bottom margin	2	Fit object to contents	Disabled

Text format

Font	Tahoma, 13px	Orientation	Horizontal	Horizontal alignment	Right
Vertical alignment	Middle				

Flashing

Flashing	Disabled		

Styles/Designs

Use style/design	Disabled	Style item appearance			

Miscellaneous

Name	HmiScreenItemData	Layer	0 - Layer_0	Tooltip	

Security

Authorization		Allow operator control	Enabled		

HmiScreenItemData_1

Type	Date/time field

General

Long date/time format	Disabled	Display system time	Enabled	Process value	
Show date	Enabled	Show time	Disabled	Mode	Output

Appearance

Foreground color	0, 0, 0	Background color	255, 255, 255	Background fill pattern	Transparent
Corner radius (border)	3	Border width	0	Line style	Double line
Border color	156, 154, 165	Border background color	226, 225, 225		

Layout

X position	395	Y position	0	Width	85
Height	30	Left margin	3	Top margin	2
Right margin	2	Bottom margin	2	Fit object to contents	Disabled

Text format

Font	Tahoma, 13px	Orientation	Horizontal	Horizontal alignment	Right
Vertical alignment	Middle				

Flashing

Flashing	Disabled		

Styles/Designs

Use style/design	Disabled	Style item appearance			

Miscellaneous

Name	HmiScreenItemData_1	Layer	0 - Layer_0	Tooltip	

Security

Authorization		Allow operator control	Enabled

Logo

Type	Graphic view

General

Graphic	Logo of HMI_1

Appearance

Background color	222, 219, 222	Background fill pattern	Transparent	Use transparent color	Disabled
Transparent color	255, 0, 255	Border width	0	Line style	Solid
Border color	0, 0, 0				

Layout

X position	0	Y position	0	Width	107
Height	60	Fit embedded graphic object to screen size	Fit graphic to object size	Fit graphic to size	Stretch graphic
Fit object to contents	Disabled				

Flashing

Flashing	Disabled

Miscellaneous

Name	Logo	Layer	0 - Layer_0