Automação no Processo de Fabricação de Cerveja

Etapas de Maturação e Filtração

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Resumo

Esse artigo trata de uma abordagem para a automação do processo de maturação e filtragem de cerveja. Ele comtempla o aspecto funcional e implementação do problema em CLP e software supervisório.

Palavras Chaves: Controle de Temperatura, Acionamento de válvulas, CLP, Software Supervisório, Grafcet

I. Descrição do Problema

O mercado de fabricação de cerveja no Brasil está crescendo de maneira acelerada, alguns dos sintomas que evidenciam esse crescimento são o surgimento de diversas novas marcas e a popularização das cervejas artesanais. Nesse trabalho, escolhemos abordar parte desse processo pois ele representa um tópico atual que aborda dois grandes problemas da automação: o controle de tempera-

tura e o acionamento de válvulas. No processo de fabricação da cerveja, logo após a fermentação, é comum deixar que a bebida passe por uma "fermentação secundária" conhecida como maturação. Durante a maturação ocorre a redução na concentração de ácido sulfídrico, de acetaldeído e de diacetil, produtos da fermentação que afetam o sabor da cerveja. Esse processo também é importante pois nele ocorre a clarificação da cerveja através da precipitação das leveduras e

de proteínas que dão um aspecto turvo ao produto. É importante controlar a temperatura e o tempo de maturação de maneira a garantir as características desejadas para a cerveja, tipos diferentes de cerveja precisam ser maturadas em temperaturas e por durações diferentes. A clarificação da cerveja pode ser completada com um processo de filtração pós maturação a fim de remover as partículas em suspensão.

II. Descrição Técnica do Processo

Este relatório consiste na descrição da solução encontrada para o problema da maturação e filtragem da produção de cerveja. O processo começa após a fermentação da cerveja verde (pós fermentação) que é mandada para tanques de maturação como o da figura 1 (válvula V_{cv} e $timer_1$). No tanque a cerveja verde permanece no taque por um tempo variado ($timer_2$) com controle constante de sua temperatura, esta necessitando estar em um intervalo específico de temperaturas. Este controle de temperatura será feito com base no acionamento do fluido refrigerante (V_{fr}) e em um sensor de temperatura (S_t).

Passado este tempo e com sucesso do controle de temperatura a cerveja verde torna-se cerveja madura e é despeja na próxima etapa (válvula V_{cm}). A etapa consiste em passar por um filtro com terra diatomácea (válvula V_{td}), que retira partículas desagradáveis à cerveja, como o mostrado na figura 2.

O resíduo do filtro deve ser descartado após



Fig. 1: Tanque de maturação da cerveja verde.

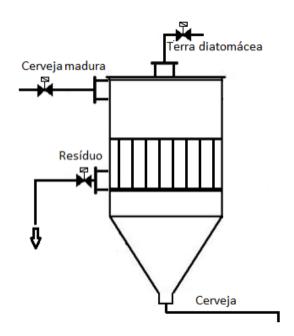


Fig. 2: Filtro da cerveja maturada

o uso, o seu descarte é feito pela acionamento de uma válvula (V_r) que dependerá de um sensor (S_{bf}) .

Tanto a válvula de despejo da cerveja maturada quanto a da terra diatomácea dependem do sensor de volume do tanque de maturação (S_{bm}) .

Após a filtragem a cerveja é então destinada à próxima etapa da sua fabricação, sendo esta não descrita por este trabalho.

III. Análise do Projeto

Para a primeira etapa do projeto nós acrescentamos um sensor de nível baixo no taque do maturador, afim de verificar que este está de fato vazio antes de preenchê-lo com cerveja verde. Como não existe perigo de que muita cerveja verde seja fornecida para o tanque (uma vez que a quantidade disponível é limitada pelo tamanho do tanque anterior no processo), o procedimento é controlado através de um timer, estimamos que 10 minutos seja tempo mais que suficiente para preencher o tanque. Deixamos então a cerveja maturar por 2 horas, controlando a sua temperatura através de sensores. A temperatura deverá se manter no intervalo entre -5 e $5^{\circ}C$

Enquanto o tanque está sendo preenchido e durante o processo de maturação da cerveja, podemos realizar de maneira paralela a liberação dos resíduos do filtro, contanto que não exista mais cerveja maturada para ser filtrada, verificamos isso através de um sensor colocado um pouco abaixo do nível do filtro. Abrimos a válvula para liberação dos resíduos e a deixamos aberta até que a cerveja no maturador acabe de maturar, como a maturação é um processo lento, teremos tempo de sobra para esvaziar o filtro.

Uma vez maturada, a cerveja segue para o a filtração onde receberá terra diatomácea. O controle da proporção entre cerveja e terra diatomácea se dá pela configuração manual das válvulas de liberação de ambas e não será abordada pelo programa.

A figura 3 mostra um diagrama grafcet da nossa implementação do processo.

A. Modo Automático

O modo automático consiste na ciclagem automática entre os estados do sistema. Este é o modo padrão de operação do sistema e não necessita de um funcionário presente para fazer as transições. Quando o sistema está na posição home e no modo automático, este aguarda que seja pressionada a chave Iniciar para começar sua execução. Caso este esteja no modo homming e seja transferido para o automático, ele continuará seu ciclo normalmente até que volte para home e então aguardará o botão Iniciar para entrar no modo automático. A implementação de tal lógica pode ser vista na seção V nas redes 2 a 4.

B. Modo Homming

O modo Homming, ao contrário do modo Automático, faz com o que o sistema pause entre os ciclos de operação. A transição entre a posição "home" e a próxima somente ocorrerá quando o botão "Iniciar" da IHM for apertado. Um ciclo de homming só termina quando o sistema atinge sua posição inicial ("home"), sendo que a transição entre o modo Homming e o modo Automático somente será efetuada quando o sistema se encontrar nesta posição. O modo Homming é útil durante a configuração inicial do sistema e a etapa de testes/validação. Sua implementação pode ser vista na seção V nas redes 2 a 4.

C. Modo Passo a Passo

O modo passo a passo facilita a depuração e teste do sistema, introduzindo a necessidade

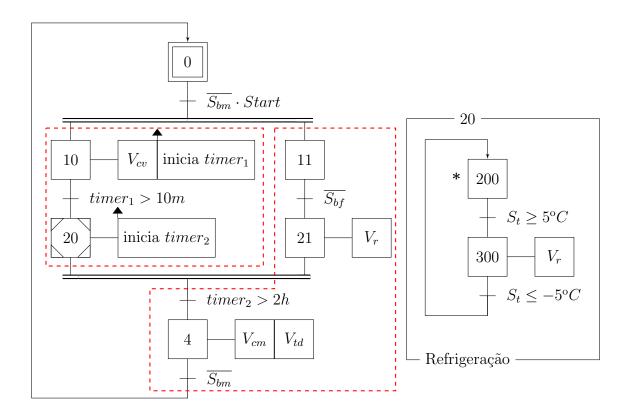


Fig. 3: Diagrama grafcet do projeto

a atuação humana para a transição entre estados. Com todas as condições de transição verificadas o processo apenas mudará de estado caso um botão na IHM (Passo) seja apertado manualmente. Caso as condições de transição não sejam obedecidas e o operador pressionar o botão na IHM nada acontecerá.

Sua utilidade é comprovada durante os testes, já que o processo pode ser totalmente controlado pelo engenheiro de qualidade, testando todas as transições e funcionalidade das entradas (sensores e timers) do sistema. A implementação do modo passo a passo

pode ser vista na seção V nas redes 5 a 9.

D. Parada de emergência

Quando o botão de emergência da IHM (interface homem-máquina, figura 4) é ativado, os estados ativos são enviados para seu estado equivalente de emergência, como pode ser visto na implementação na rede 24 da seção V. Por motivos de segurança, todos os atuadores são desativados (todas as válvulas são fechadas, incluindo a responsável pelo fluido refrigerante que não tem contato direto com o

produto), até que o sistema saia do estado de emergência ao desativar o botão da interface gráfica.

No processo de saída do estado de emergência, conforme a rede 23 da seção V, cada estágio que estava em modo de emergência é retomado, cabendo ao operador determinar a validade ou não do lote que ficou parado na produção dependendo do tempo em que o sistema ficou em emergência e da circunstância que levou à parada, pois pode ou não afetar a integridade do produto. Esta decisão é de certa maneira delicada, e não foi possível automatizá-la.

E. Alarmes e tratamentos de Erros

Para a implementação do sistema de alarmes, utilizamos um conjunto de situações que não afetavam de imediato a produção, mas que necessitam de atenção do operador. Estas situações são descritas abaixo, junto com os cuidados que devem ser tomados caso aconteça a situação de alarme. Está implementada nas redes 18 a 23 na seção V.

- Temperatura da cerveja no maturador ficar menor que −10°C ou maior que 30°C: Indica problemas com sensor de temperatura ou com a válvula de fluido refrigerante, além de indicar que a temperatura saiu do intervalo desejado e que pode ter comprometido o lote de cerveja em produção.
- Tempo para atingir o nível baixo do filtro maior que 30 minutos: Indica problemas com o sensor de nível baixo do filtro ou com sua permeabilidade, que pode cau-

- sar atrasos na linha de produção.
- Tempo de resfriamento da cerveja no maturador maior que 30 minutos: Indica problemas com o sensor de temperatura ou com o sistema de refrigeração (válvula defeituosa, vazamento no fluido de refrigeração, entre outros), podendo causar distúrbios na temperatura de maturação.
- Tempo de saída da cerveja madura maior que 10 minutos: Indica problemas na válvula de saída ou no sensor de nível baixo do maturador.

Quando o sistema se encontra em situação de alarme, um LED de alarme é aceso na IHM (interface homem-máquina), e só pode ser apagado quando todas as condições de alarme forem resolvidas e o operador pressionar a tecla para desligar o alarme (Reset Alarme) na IHM.

F. IHM (Supervisório)

A IHM (Interface Homem-Máquina) do sistema possui entradas e saídas para que o operador consiga controlar o andamento da produção, obtendo dados do que está acontecendo com ela. Contamos com duas telas, uma para o acompanhamento e controle do processo como um todo mostrada na figura 4), destinada ao operador, e uma para acompanhar os detalhes de manutenção (figura 5), destinada à equipe de reparo, de maneira a evitar a poluição visual e mostrar para cada membro da equipe somente as informações que são relevantes a ele.

Na tela de visão geral, três duas saídas:

as luzes do lado superior esquerdo identificadas com o símbolo *, uma vermelha para identificar uma situação de alarme, e outra verde quando o sistema está em "Home", e também a variação de temperatura no maturador mostrada no centro da tela identificado também com o símbolo *.

Conforme explicado anteriormente, é possível escolher modos de operação, como o "Homming" ou "Automático" pela chave seletora na parte inferior esquerda (identificada pelo número 1), ativar ou desativar a execução "Passo a passo" pela chave ao lado (identificada pelo número 2). Para ativar e desativar o modo de emergência pela chave em destaque no lado direito superior.

No modo "Passo a Passo" após o sistema conseguir as condições para mudar de estado, deve-se pressionar a tecla "Passo" (identificado por 4) na parte inferior direita da tela para efetuar a transição. No modo "Homming" é necessário apertar o botão "Iniciar" na parte superior central (identificado por 5) para começar um novo ciclo quando o sistema se encontra em "Home". Em caso de estado de alarme, deve-se reparar as condições que causaram o alarme e em seguida apertar o botão "Reset Alarme" do lado direito no centro (identificado por 6) para desativá-lo.

Na tela de manutenção temos luzes indicando as não conformidades específicas do sistema (uma para cada alarme e uma para o estado de emergência), um contador com a quantidade de ciclos consecutivos que foram executados e dois botões para iniciar os processos de limpeza do maturador e do filtro (processos estes que não foram implementa-



Fig. 4: Tela de acompanhamento geral do sistema



Fig. 5: Tela de manutenção do sistema

dos neste projeto).

Os detalhes da implementação da IHM podem ser vistas no apêndice A.

IV. TABELA DE DESIGNAÇÃO

As tabelas 1, 2 e 3 apresentam as entradas, saídas e temporizadores do sistema. A tabela completa de variáveis pode ser vista no apêndice A

V. IMPLEMENTAÇÃO DO SISTEMA

Implementamos o sistema em ladder para as CLPs da Siemens disponíveis no laboratório de automação seguindo o grafcet apresentado na figura 3 e todas as considerações feitas na seção III, para facilitar as demonstrações e o processo de depuração, nós diminuímos o tempo de enchimento do tanque para 5 segundos e o tempo de maturação da cerveja para 25 segundos. A implementação completa pode ser vista no apêndice A.

VI. Conclusões

O processo de produção de cerveja é grande e complexo, porém ao abordar uma parte específica, conseguimos chegar a soluções relativamente simples para a automatização de etapas do mesmo. O processo de abstração que nos foi apresentado durante o decorrer do curso se provou de grande utilidade para a realização desse projeto. A organização do problema em tabelas de variáveis e a construção do diagrama grafcet facilitaram a implementação ladder, além de nos dar uma percepção mais acurada da complexidade do sistema.

Devemos ressaltar que para elaborar esse projeto tivemos que fazer algumas suposições sobre o sistema real. Decisões como o tempo necessário para ativar os alarmes e a vazão de cada válvula necessitam de um estudo mais detalhado do sistema e devem ser revisadas no caso de uma implementação física.

Referências

- [1] PICCINI, A. R., MORESCO C. e MUNHOS, L. http://www.ufrgs.br/ alimentus1/feira/prcerea/cerveja/ fluxo.htm
- [2] MASTELARI, N. "Maturação e Filtração"

8 Referências

Tab. 1: Tabela de Entradas

Entrada	Utilidade	Posição
S_{bm}	sensor de volume baixo no tanque de maturação	%I1.0
S_t	sensor de temperatura no tanque de maturação	%MD1
S_{bf}	sensor de volume baixo do filtro	% I1.1

Tab. 2: Tabela de Saídas

Atuador	Utilidade	Posição
V_{cv}	acionamento da válvula da cerveja verde	%Q6.3
V_{cm}	acionamento da válvula da cerveja maturada	%Q6.3 $%Q6.2$
$egin{array}{c} V_{fr} \ V_{td} \end{array}$	acionamento da válvula de fluido refrigerante	%Q7.0
V_{td}	acionamento da válvula de terra diatomácea	%Q7.1
V_r	acionamento da válvula de descarte	%Q7.2

Tab. 3: Tabela de Temporizadores

Nome	Utilidade	Posição
$timer_1$	temporizador de entrada da cerveja verde	%M5.5
$timer_2$	temporizador da maturação da cerveja verde	%M5.6

A. Apêndices

A. Tabela de Variáveis

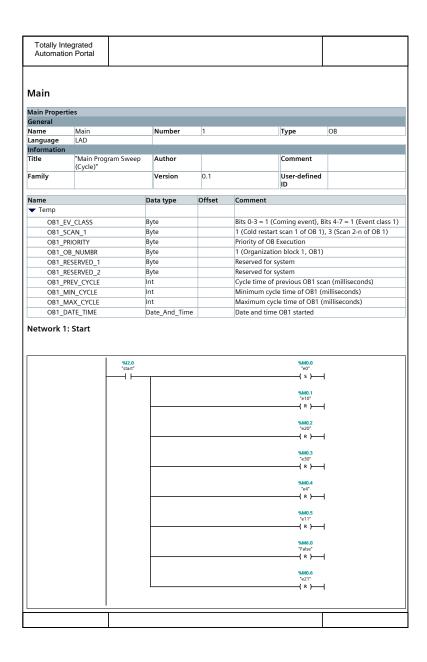
PLC tags

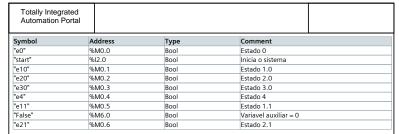
NONAME

	Name	Data type	Address	Retain		Acces- sible from HMI	Comment
40	e0	Bool	%M0.0		True	True	Estado 0
1	e10	Bool	%M0.1		True	True	Estado 1.0
1	start	Bool	%12.0		True	True	Inicia o sistema
1	e20	Bool	%M0.2		True	True	Estado 2.0
1	e4	Bool	%M0.4		True	True	Estado 4
40	e30	Bool	%M0.3		True	True	Estado 3.0
1	e11	Bool	%M0.5		True	True	Estado 1.1
400	e21	Bool	%M0.6		True	True	Estado 2.1
411	vcv	Bool	%Q6.3		True	True	Valvula cerveja verde
1	vcm	Bool	%Q6.2		True	True	Valvula cerveja maturada
1	vfr	Bool	%Q7.0		True	True	Valvula fluido refrigerante
	sbm	Bool	%I1.O		True	True	Sensor de nivel baixo matura- dor
	sbf	Bool	%I1.1		True	True	Sensor de nivel baixo filtro
40	iniciar	Bool	%M6.2		True	True	Botao iniciar
400	T.P	Int	%IW448		True	True	Sinal de temperatura
	Tdig	Real	%MD1		True	True	Temperatura do maturador
	Tscale	Int	%MW3		True	True	Sinal de temperatura digital
411	False	Bool	%M6.0		True	True	Variavel auxiliar = 0
400	Error	Word	%MW7		True	True	Variavel auxiliar
400	homming	Bool	%M6.1		True	True	Modo homming
€ 01	рар	Bool	%M6.3		True	True	Modo passo a passo
400	passo	Bool	%M6.4		True	True	Botao de passo
_	emergencia	Bool	%M6.5		True	True	Modo de emergencia
400	alarme	Bool	%M6.6		True	True	Estado de Alarme
400	alarmeFiltro	Bool	%M5.0		True	True	Alarme por tempo do filtro
	alarmeRefrig	Bool	%M5.1		True	True	Alarme por tempo do Refriger- ante
400	ResetAlarm	Bool	%M5.2		True	True	Reseta alarme
_	TrataAlarme	Bool	%M5.3		True	True	
_	alarmeCond	Bool	%M5.4		True	True	Condicao de alarme
	em0	Bool	%M9.0		True	True	Estado de emergencia 0
	em10	Bool	%M9.1		True	True	Estado de emergencia 1.0
	em20	Bool	%M9.2		True	True	Estado de emergencia 2.0
	em30	Bool	%M9.3		True	True	Estado de emergencia 3.0
	em4	Bool	%M9.4		True	True	Estado de emergencia 4
400	em11	Bool	%M9.5		True	True	Estado de emergencia 1.1

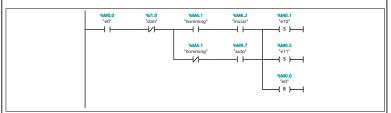
	Name	Data type	Address	Retain	Visible in HMI		Comment
1	em21	Bool	%M9.6		True	True	Estado de emergencia 2.1
1	auto	Bool	%M9.7		True	True	Modo automatico
1	vtd	Bool	%Q7.1		True	True	Valvula de terra diatomacea
1	vr	Bool	%Q7.2		True	True	Valvula de residuos
1	tenchimento	Bool	%M5.5		True	True	Tempo de enchimento atingi- do
1	tmaturacao	Bool	%M5.6		True	True	Tempo de maturacao atingido
1	alarmeMat	Bool	%M5.7		True	True	Alarme por tempo do matura- dor
1	alarmeTemp	Bool	%M6.7		True	True	Alarme temperatura
1	homeCount	Int	%MW2		True	True	Contador de ciclos
1	cleanMat	Bool	%M10.0		True	True	Botao Limpeza Maturador
400	clean Filt	Bool	%M10.1		True	True	Botao Limpeza Filtro
1	em6	Bool	%M10.2		True	True	Estado Limpeza Maturador
1	em7	Bool	%M10.3		True	True	Estado Limpeza Filtro

B. Implementação Ladder





Network 2: Transicoes e0

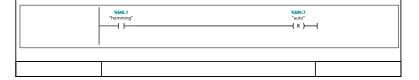


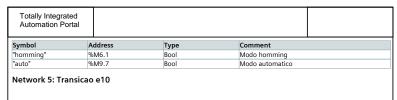
ı				
I		Address	Туре	Comment
I		%M0.0	Bool	Estado 0
I		%M6.2	Bool	Botao iniciar
I		%M0.1	Bool	Estado 1.0
I	"sbm"	%I1.0	Bool	Sensor de nivel baixo maturador
I	"e11"	%M0.5	Bool	Estado 1.1
I	"homming"	%M6.1	Bool	Modo homming
١	"auto"	%M9.7	Bool	Modo automatico

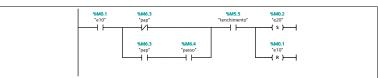
Network 3: Inicia modo automatico

l				
Symbol	Address	Type	Comment	
Symbol "e0"	%M0.0	Bool	Estado 0	
"iniciar"	%M6.2	Bool	Botao iniciar	
"homming"	%M6.1	Bool	Modo homming	
"auto"	%M9.7	Bool	Modo automatico	

Network 4: Inicia modo homming

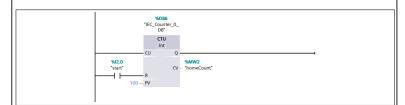






Symbol	Address	Type	Comment
"e10" "e20"	%M0.1	Bool	Estado 1.0
"e20"	%M0.2	Bool	Estado 2.0
"pap"	%M6.3	Bool	Modo passo a passo
"passo"	%M6.4	Bool	Botao de passo
"tenchimento"	%M5.5	Bool	Tempo de enchimento atingido

Network 26: Contador de ciclos



Symbol	Address	Туре	Comment
"start"	%I2.0	Bool	Inicia o sistema
"IEC_Counter_0_DB"	%DB6	Block_SFB	
"homeCount"	%MW2	Int	Contador de ciclos
100	100	Int	

Network 27: Limpeza Maturador

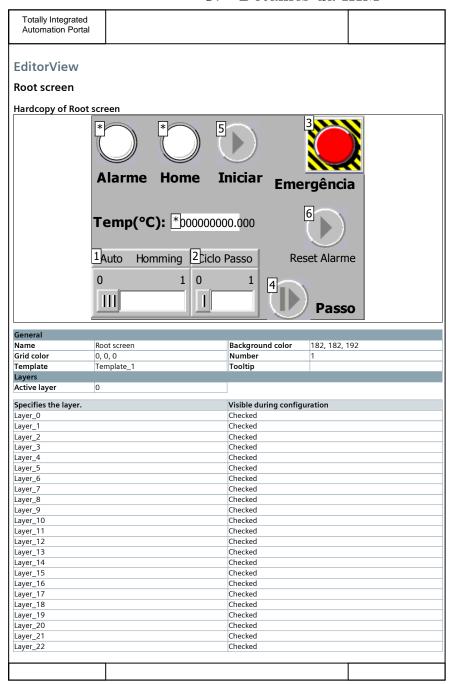


I	Symbol	Address	Туре	Comment
I	"cleanMat"	%M10.0	Bool	Botao Limpeza Maturador
ı	"em6"	%M10.2	Bool	Estado Limpeza Maturador

Network 28: Limpeza Filtro

	%M10.1 "cleanFilt"		%M10.2 "em6" (s)——	
ymbol	Address	Туре	Comment	
em6" :leanFilt"	%M10.2 %M10.1	Bool Bool	Estado Limpeza Maturador Botao Limpeza Filtro	

C. Detalhes da IHM



Specifies the layer. Visible during configuration	Totally Integrated						
Layer 23	Automation Portal						
Layer_24	Specifies the layer.		Visible during configu	ration			
Layer 2.5	Layer_23		Checked				
Layer 2.5			Checked				
Layer_26			Checked				
Layer_28							
Layer_28							
Layer_29							
Layer_30							
Switch_1							
Switch							
Type	-		Checked				
Canal	Switch_1						
Label text		Switch					
Value status ON		A. de Henrica	M - d -	Constants			
Text OFF 0		Ţ.		SWITCU			
Appearance Background color 192, 192, 192 Label color 0, 0, 0							
Background color 192, 192, 192 Label color 0, 0, 0		U	Text ON	1			
Foreground color 0, 0, 0 Inner background color OFF Inner background							
Inner background color ON Design 3D border style Checked Focus color 0, 0, 0 Fit to size Unchecked Height 80 X position 0 Switch orientation Left to right 116 Text Label font Tahoma, 13px Font Tahoma, 13px Horizontal alignment Centered Vertical alignment Flashing Flashing None Flash on limit violation Unchecked Limits Color for High limit 255, 0, 0 Color for Low limit violated Miscellaneous Tooltip Layer 0 - Layer_0 Name Switch_1 Security Authorization Allow operator control Dynamizations/Tag connection Property name Process value Tag homming Switch_2 Type Switch General Label text Ciclo Passo Mode Switch Text Olor Foreground color 192, 192, 192 Label color 0, 0, 0 Inner background col- 255, 255, 255, 255 Foreground color 192, 192 Label color 0, 0, 0 Inner background col- 255, 255, 255				1			
Design Sign	Foreground color	0, 0, 0		255, 255, 255			
Design Shorder style Checked Focus color O, 0, 0	Inner background col-	255, 255, 255					
3D border style Checked Focus color 0, 0, 0 Focus width 1 Layout Fit to size Unchecked Height 80 X position 0 Switch orientation Left to right Y position 156 Width 116 Text Label font Tahoma, 13px Font Tahoma, 13px Horizontal alignment Centered Vertical alignment Middle Flashing None Flash on limit violation Limits Color for High limit violated Wiscellaneous Tooltip Layer 0 - Layer_0 Name Switch_1 Security Authorization Allow operator control Dynamizations\Tag connection Property name Process value Tag homming Switch_2 Type Switch General Label text Ciclo Passo Mode Switch Text OFF 0 Text ON 1 Appearance Background color 192, 192, 192 Label color 0, 0, 0 Inner background color 255, 255, 255 Inner background color 2555, 255 Inner background color 2555, 255 Inner background color 2555, 25							
Focus width 1 Layout Fit to size Unchecked Height 80 X position 0 Switch orientation Left to right Y position 156 Width 116 Text Label font Tahoma, 13px Font Tahoma, 13px Horizontal alignment Centered Vertical alignment Middle Flashing None Flash on limit violation Limits Color for High limit violated violated Violated Miscellaneous Tooltip Layer 0 - Layer_0 Name Switch_1 Security Authorization Allow operator control Dynamizations\Tag connection Property name Process value Tag homming Switch_2 Type Switch General Label text Ciclo Passo Mode Switch Text OFF 0 Text ON 1 Appearance Background color 192, 192, 192 Label color 0, 0, 0 Inner background col- Property online to right		Chacked	Eogus color	0.0.0			
Fit to size Unchecked Height 80 X position 0 Switch orientation Left to right Y position 156 Width 116 Text Label font Tahoma, 13px Font Tahoma, 13px Merical alignment Middle Flashing Flashing None Flash on limit violation Violated Size Sp. 255, 0, 0 Color for High limit Violated Violated Miscellaneous Tooltip Layer 0 - Layer_0 Name Switch_1 Security Authorization Allow operator control Dynamizations\Tag connection Property name Process value Tag homming Switch_2 Type Switch General Label text Ciclo Passo Mode Switch Value status ON 1 Process value Text OFF 0 Text ON 1 Appearance Background color 192, 192, 192 Label color 0, 0, 0 Inner background col- 255, 255, 255 Itahom Violated Switch Inner background col- 255, 255, 255			rocus coloi	0, 0, 0			
Fit to size Unchecked X position 0 Switch orientation Left to right Y position 156 Width 116 Text Label font Tahoma, 13px Font Tahoma, 13px Horizontal alignment Centered Vertical alignment Middle Flashing Flashing None Flash on limit violation Unchecked tion Unchecked Limits Color for High limit violated V		l .					
X position 0 Switch orientation Left to right Y position 156 Width 116 Text Label font Tahoma, 13px Font Tahoma, 13px Horizontal alignment Centered Vertical alignment Middle Flashing Flashing None Flash on limit violation Unchecked Limits Color for High limit violated Violated Miscellaneous Tooltip Layer 0 - Layer_0 Name Switch_1 Security Authorization Allow operator control Dynamizations\Tag connection Property name Process value Tag homming Switch_2 Type Switch General Label text Ciclo Passo Mode Switch Text OFF 0 Text ON 1 Appearance Background color 192, 192, 192 Foreground color 0, 0, 0 Inner background col- 255, 255, 255 Font Tahoma, 13px Vertical alignment Tahoma, 13px Middle Tahoma, 13px Font Tahoma, 13px Text OFF 0, 0, 0 Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked Unchecked		Unidendiad	11-1-1-4	00			
Y position 156 Width 116 Text Label font Tahoma, 13px Font Tahoma, 13px Middle Flashing Flashing None Flash on limit violation Violated							
Text Label font Tahoma, 13px Font Tahoma, 13px Horizontal alignment Centered Vertical alignment Middle Flashing Flashing Flashing None Flash on limit violation Unchecked tion Unchecked tion Limits Color for High limit violated Violated Miscellaneous Tooltip Name Switch_1 Security Authorization Allow operator control Dynamizations\Tag connection Property name Process value Tag homming Switch_2 Type Switch General Label text Ciclo Passo Mode Switch Value status ON 1 Process value Text OFF O Text ON 1 Appearance Background color 192, 192, 192 Label color 0, 0, 0 Foreground color 192, 192, 192 Label color 0, 0, 0 Foreground color 1 1, 255, 255, 255 Vertical alignment Middle Tahoma, 13px Vertical alignment Middle Text OFF O, 0, 0 Inner background color 255, 255, 255		-					
Label font Tahoma, 13px Font Tahoma, 13px Middle Flashing Flashing Flashing Flashing None Flash on limit violation Limits Color for High limit violated Miscellaneous Tooltip Name Switch_1 Security Authorization Property name Process value Flash on limit violation Switch_2 Type Switch General Label text Ciclo Passo Value status ON I Process value Foreground color Flash on Inathoma, 13px Middle Tahoma, 13px Middle Tahoma, 13px Middle Flash on limit violation Unchecked Unchecked Unchecked Laber O - Layer_O A - Lay		156	Width	116			
Horizontal alignment Flashing Flash on limit violation Limits Color for High limit violated Miscellaneous Tooltip Name Switch_1 Security Authorization Property name Process value Flash on limit violation Layer O - Layer_O Allow operator control Dynamizations\Tag connection Property name Process value Switch_2 Type Switch General Label text Ciclo Passo Mode Switch Text OFF O Appearance Background color Boven Color for Low limit violation Layer O - Layer_O Allow operator control Checked Checked Switch Switch Tag Mode Switch Inner background color O, 0, 0 Inner background color Sy, 255, 255, 255			"-				
Flashing Flashing None Flash on limit violation Limits Color for High limit violated Miscellaneous Tooltip Name Switch_1 Security Authorization Property name Process value Switch_2 Switch_2 Switch_2 Switch_2 Type Switch General Label text Value status ON Value St							
Flashing None Flash on limit violation Unchecked Limits Color for High limit violated Security Name Switch_1 Security Authorization Process value Tag homming Switch_2 Type Switch General Label text Ciclo Passo Mode Switch Value status ON 1 Process value Security Authorization I Process value Tag Node Switch Value status ON 1 Process value Text ON 1 Appearance Background color 192, 192, 192 Label color 0, 0, 0 Foreground color 192, 192, 192 Label color 0, 0, 0 Foreground color 192, 192, 192 Inner background col- 255, 255, 255		Centered	Vertical alignment	Middle			
Switch S							
Color for High limit violated	Flashing	None		Unchecked			
violated violated Miscellaneous Layer 0 - Layer_0 Name Switch_1 Switch_1 Security Allow operator control Authorization Allow operator control Property name Process value Tag homming Switch_2 Type Switch General Label text Ciclo Passo Mode Switch Value status ON 1 Process value Text OFF 0 Text ON 1 Appearance Background color 192, 192, 192 Label color 0, 0, 0 Foreground color 0, 0, 0 Inner background col- 255, 255, 255	Limits						
Tooltip		255, 0, 0		255, 255, 0			
Name Switch_1 Security Authorization Allow operator control Dynamizations\Tag connection Property name Process value Tag homming Switch_2 Type Switch General Label text Ciclo Passo Mode Switch Value status ON 1 Process value Text OFF 0 Text ON 1 Appearance Background color 192, 192, 192 Label color 0, 0, 0 Foreground color 0, 0, 0 Inner background col- 255, 255, 255	Miscellaneous						
Name Switch_1 Security Authorization Allow operator control Dynamizations\Tag connection Property name Process value Tag homming Switch_2 Type Switch General Label text Ciclo Passo Mode Switch Value status ON 1 Process value Text OFF 0 Text ON 1 Appearance Background color 192, 192, 192 Label color 0, 0, 0 Foreground color 0, 0, 0 Inner background col- 255, 255, 255	Tooltip		Layer	0 - Layer_0			
Security Authorization Allow operator control Dynamizations\Tag connection Property name Process value Tag homming Switch_2 Type Switch General Label text Ciclo Passo Mode Switch Value status ON 1 Process value Text OFF 0 Text ON 1 Appearance Background color 192, 192, 192 Label color 0, 0, 0 Foreground color 0, 0, 0 Inner background col- 255, 255, 255	Name	Switch_1	-				
Authorization Allow operator control Dynamizations\Tag connection Tag homming Switch_2 Type Switch General Label text Ciclo Passo Mode Switch Value status ON 1 Process value Text OFF 0 Text ON 1 Appearance Background color 192, 192, 192 Label color 0, 0, 0 Foreground color 0, 0, 0 Inner background col- 255, 255 255	Security						
Dynamizations\Tag connection Property name Process value Tag homming Switch_2 Type Switch General Label text Ciclo Passo Mode Switch Value status ON 1 Process value Text OFF 0 Text ON 1 Appearance Background color 192, 192, 192 Label color 0, 0, 0 Foreground color 0, 0, 0 Inner background col- 255, 255, 255	Authorization			Checked			
Property name	Dynamizations\Tag co	nnection	,				
Switch_2 Type Switch General Mode Switch Label text Ciclo Passo Mode Switch Value status ON 1 Process value Text OFF 0 Text ON 1 Appearance Background color 192, 192, 192 Label color 0, 0, 0 Foreground color 0, 0, 0 Inner background col- 255, 255, 255			Tag	homming			
Type				, ,			
General Label text Ciclo Passo Mode Switch Value status ON 1 Process value Text OFF 0 Text ON 1 Appearance Background color 192, 192, 192 Label color 0, 0, 0 Foreground color 0, 0, 0 Inner background col- 255, 255, 255		C ital					
Label text Ciclo Passo Mode Switch Value status ON 1 Process value Text OFF 0 Text ON 1 Appearance Background color 192, 192, 192 Label color 0, 0, 0 Foreground color 0, 0, 0 Inner background col- 255, 255, 255		Switch					
Value status ON 1 Process value Text OFF 0 Text ON 1 Appearance Background color 192, 192, 192 Label color 0, 0, 0 Foreground color 0, 0, 0 Inner background col- 255, 255, 255, 255		Ciclo Passo	Mode	Switch			
Text OFF 0 Text ON 1 Appearance Background color 192, 192, 192 Label color 0, 0, 0 Foreground color 0, 0, 0 Inner background col- 255, 255, 255				5********			
Appearance Background color 192, 192, 192 Label color 0, 0, 0 Foreground color 0, 0, 0 Inner background col- 255, 255, 255		'		1			
Background color 192, 192, 192 Label color 0, 0, 0 Foreground color 0, 0, 0 Inner background col- 255, 255, 255		U .	TEXT ON	1			
Foreground color 0, 0, 0 Inner background col- 255, 255, 255		102 102 102	label sel	0.0.0			

d l3px	Focus color Height Switch orientation Width Font Vertical alignment Flash on limit violation Color for Low limit violated Layer Allow operator control Tag	0, 0, 0 80 Left to right 80 Tahoma, 13px Middle Unchecked 255, 255, 0 0 - Layer_0 Checked
d 13px	Height Switch orientation Width Font Vertical alignment Flash on limit violation Color for Low limit violated Layer Allow operator control	80 Left to right 80 Tahoma, 13px Middle Unchecked 255, 255, 0 0 - Layer_0 Checked
d 13px	Height Switch orientation Width Font Vertical alignment Flash on limit violation Color for Low limit violated Layer Allow operator control	80 Left to right 80 Tahoma, 13px Middle Unchecked 255, 255, 0 0 - Layer_0 Checked
13px	Height Switch orientation Width Font Vertical alignment Flash on limit violation Color for Low limit violated Layer Allow operator control	80 Left to right 80 Tahoma, 13px Middle Unchecked 255, 255, 0 0 - Layer_0 Checked
13px	Height Switch orientation Width Font Vertical alignment Flash on limit violation Color for Low limit violated Layer Allow operator control	80 Left to right 80 Tahoma, 13px Middle Unchecked 255, 255, 0 0 - Layer_0 Checked
13px	Height Switch orientation Width Font Vertical alignment Flash on limit violation Color for Low limit violated Layer Allow operator control	80 Left to right 80 Tahoma, 13px Middle Unchecked 255, 255, 0 0 - Layer_0 Checked
13px	Switch orientation Width Font Vertical alignment Flash on limit violation Color for Low limit violated Layer Allow operator control	Left to right 80 Tahoma, 13px Middle Unchecked 255, 255, 0 0 - Layer_0 Checked
13px	Switch orientation Width Font Vertical alignment Flash on limit violation Color for Low limit violated Layer Allow operator control	Left to right 80 Tahoma, 13px Middle Unchecked 255, 255, 0 0 - Layer_0 Checked
13px	Switch orientation Width Font Vertical alignment Flash on limit violation Color for Low limit violated Layer Allow operator control	Left to right 80 Tahoma, 13px Middle Unchecked 255, 255, 0 0 - Layer_0 Checked
	Width Font Vertical alignment Flash on limit violation Color for Low limit violated Layer Allow operator control	80 Tahoma, 13px Middle Unchecked 255, 255, 0 0 - Layer_0 Checked
	Font Vertical alignment Flash on limit violation Color for Low limit violated Layer Allow operator control	Tahoma, 13px Middle Unchecked 255, 255, 0 0 - Layer_0 Checked
	Vertical alignment Flash on limit violation Color for Low limit violated Layer Allow operator control	Middle Unchecked 255, 255, 0 0 - Layer_0 Checked
	Vertical alignment Flash on limit violation Color for Low limit violated Layer Allow operator control	Middle Unchecked 255, 255, 0 0 - Layer_0 Checked
ılue	Flash on limit violation Color for Low limit violated Layer Allow operator control	Unchecked 255, 255, 0 0 - Layer_0 Checked
ılue	tion Color for Low limit violated Layer Allow operator control	255, 255, 0 0 - Layer_0 Checked
ılue	tion Color for Low limit violated Layer Allow operator control	255, 255, 0 0 - Layer_0 Checked
llue	Color for Low limit violated Layer Allow operator control	0 - Layer_0 Checked
ılue	violated Layer Allow operator control	0 - Layer_0 Checked
ılue	violated Layer Allow operator control	0 - Layer_0 Checked
ilue	Layer Allow operator control	Checked
llue	Allow operator control	Checked
llue	Allow operator control	Checked
llue	trol	
llue	trol	
ilue	trol	
ilue		pap
ilue	Tag	pap
llue	Tag	рар
	1	
		10
	Field length	13
199.999		Output
	Snift decimal point	0
a		
255		la tra
255	Background fill pat- tern	Solid
	3D border style	Unchecked
	Foreground color	0, 0, 0
d		
	Fit to size	Unchecked
	X position	93
	Right margin	2
	Top margin	2
		-
13px	Horizontal alignment	Left
d d		Тор
	Flash on limit viola-	Unchecked
	иоп	
		255 255 0
	violated	255, 255, 0
	13px	99.999 Mode Shift decimal point Background fill pattern 3D border style Foreground color Fit to size X position Right margin Top margin Top margin Horizontal alignment Vertical alignment Flash on limit violation Color for Low limit

Automation Portal			
Miscellaneous			
Tooltip		Layer	0 - Layer_0
	I/O field_1	Layer	o Edyci_o
Security	I/O Held_1		
Authorization		Allow operator con-	Checked
		trol	Checked
Dynamizations\Tag co		-	T !
Property name	Process value	Tag	Tdig
Text field_2			
Туре	Text field		
General			
Text	Temp(°C):		
Appearance			
Background color	153, 153, 192	Background fill pat- tern	Transparent
Border color	0, 0, 0	3D border style	Unchecked
Border color Border width	0, 0, 0	Line style	None
	•	Line style	ivone
	0, 0, 0		
Layout	2	Fig. 4.	Charlind
	2	Fit to size	Checked
Height	23	X position	0
Left margin	2	Right margin	2
Y position	112	Top margin	2
	89		
Text			
Font	Tahoma, 16px, style=Bold	Horizontal alignment	
Line break	Unchecked	Orientation	Horizontal
	Тор		
Flashing			
	None		
Miscellaneous			
Layer	0 - Layer_0	Name	Text field_2
Pushbutton_Emerge	ency		
Туре	Switch		
General	SWITCH		
Label text		Mode	Switch with graphic
Value status ON	1	Process value	Switch with graphic
	0	Text ON	1
Appearance		rext ON	1
Appearance Background color	182, 182, 192	Label color	0, 0, 0
Foreground color	0, 0, 0	Inner background col-	
Inner background col-	255, 255, 255	or OFF	
or ON			
Design			0.00
3D border style	Unchecked	Focus color	0, 0, 0
Focus width	1		
Layout			
Fit to size	Unchecked	Height	68
	249	Switch orientation	Left to right
X position	0	Width	71
X position Y position			
X position Y position Text			
X position Y position Text Label font	Tahoma, 16px	Font	Tahoma, 16px
X position Y position Text	Tahoma, 16px	Font Vertical alignment	Tahoma, 16px Middle

Totally Integrated Automation Portal			
Flashing			
Flashing	None	Flash on limit viola- tion	Unchecked
Limits			
Color for High limit violated	255, 0, 0	Color for Low limit violated	255, 255, 0
Miscellaneous			
Tooltip		Layer	0 - Layer_0
Name	Pushbutton_Emergency		
Security			
Authorization		Allow operator con- trol	Checked
Dynamizations\Tag co	nnection		
Property name	Process value	Tag	emergencia
PlotLight_Round_R			
Туре	Graphic I/O field		
General			
Bit number	0	Mode	Two states
Value status ON	1	Graphic list	
Graphic OFF	Pushbutton_Round_N_On_mono	Graphic ON	PilotLight_Round_R_On_256c
Process value	0		,
Appearance			
Background color	182, 182, 192	Border color	0, 0, 0
3D border style	Unchecked	Border width	1
Line style	None	Focus color	0, 0, 0
Focus width	1	Scroll bar orientation	
Show scroll bar	No scrollbar	Transparent color	255, 0, 255
		Transparent color	255, 0, 255
Use transparent color	ипспескеа		
Layout			le o
Fit to size	Unchecked	Height	50
X position	4	Y position	7
Width	50		
Flashing			
Flashing	None	Flash on limit viola- tion	Unchecked
Limits			
Color for High limit violated	255, 0, 0	Color for Low limit violated	255, 255, 0
Miscellaneous			
Tooltip		Layer	0 - Layer_0
Name	PlotLight_Round_R		
Security			
Authorization		Allow operator con- trol	Checked
Dynamizations\Tag co	nnection		
Dynamizations(rug co			
Property name	Process value	Tag	alarme
	Process value	Tag	alarme
Property name PlotLight_Round_G Type	Process value Graphic I/O field	Tag	alarme
Property name PlotLight_Round_G Type General	Graphic I/O field		
Property name PlotLight_Round_G Type General Bit number	Graphic I/O field	Mode	Two states
Property name PlotLight_Round_G Type General Bit number Value status ON	Graphic I/O field 0 1	Mode Graphic list	Two states
Property name PlotLight_Round_G Type General Bit number Value status ON Graphic OFF	Graphic I/O field 0 1 Pushbutton_Round_N_On_mono	Mode	
Property name PlotLight_Round_G Type General Bit number Value status ON Graphic OFF Process value	Graphic I/O field 0 1	Mode Graphic list	Two states
Property name PlotLight_Round_G Type General Bit number Value status ON Graphic OFF Process value Appearance	Graphic I/O field 0 1 Pushbutton_Round_N_On_mono 0	Mode Graphic list Graphic ON	Two states PilotLight_Round_G_On_256c
Property name PlotLight_Round_G Type General Bit number Value status ON Graphic OFF Process value	Graphic I/O field 0 1 Pushbutton_Round_N_On_mono	Mode Graphic list	Two states

Totally Integrated			
Automation Portal			
ine style	None	Focus color	0, 0, 0
Focus width	1	Scroll bar orientation	
Show scroll bar	No scrollbar	Transparent color	255, 0, 255
Use transparent colo		mansparent colo.	255, 0, 255
Layout	oneneekeu		
Fit to size	Unchecked	Height	50
X position	78	Y position	7
		r position	/
Width	50		
Flashing			
Flashing	None	Flash on limit viola- tion	Unchecked
Limits			
Color for High limit	255, 0, 0	Color for Low limit	255, 255, 0
violated	255, 6, 6	violated	255, 255, 0
Miscellaneous			
Tooltip		Layer	0 - Layer_0
Name	PlotLight_Round_G		,
Security	otzigitc_touriu_d		
Authorization		Allow operator con-	Checked
		trol	
Dynamizations\Tag co			
Property name	Process value	Tag	e0
FB_SlowForward_F	Round		
Туре	Button		
General			
Bit number	0	Mode	Check back with graphic
Graphic list		Graphic OFF	FB_SlowForward_Round_Re-
Graphic ON	FB_SlowForward_Round_Press-	Process value	leased_256c
diaplife ON	ed_256c	110cess value	
Text list		Text OFF	Text
Text ON	Text		
Appearance			
Background color	182, 182, 192	Foreground color	0, 0, 0
Design	,, ,	g	-1 -1 -
3D border style	Unchecked	Focus color	0, 0, 0
Focus width	1	i ocus coloi	0, 0, 0
	ı		
Layout			
Fit to size	Unchecked	Height	50
X position	206	Y position	190
Width	50		
Text			
Font	Tahoma, 16px	Horizontal alignment	Centered
Vertical alignment	Middle		
Flashing			
Flashing	None		
Miscellaneous			
Tooltip		Layer	0 - Layer_0
Name	FB_SlowForward_Round		3/00
Security	i b_siowrorward_nourid		
Authorization		Allow operator control	Checked
Dvnamizations\Event			
Dynamizations\Event Event name	Press		
Event name			

Totally Integrated Automation Portal			
Dynamizations\Event			
Event name	Relea	se	
Function list\ResetBit	<u>, </u>		
Тад	passo)	
FB_Right_Round			
Туре	Button		
General			
Bit number	0	Mode	Graphic
Graphic list	-	Graphic OFF	FB_Right_Round_Released_256c
Graphic ON	FB_Right_Round_Pressed_256		b_ngnc_neana_neasea_bsec
Text list	D_Mg//C_Nounid_1 ressed_Est	Text OFF	Text
Text ON	Text	I CAL GIT	Text
Appearance	TEXT		
Background color	182, 182, 192	Foreground color	0, 0, 0
Design	102, 102, 172	i oreground color	0, 0, 0
3D border style	Unchecked	Focus color	0, 0, 0
Focus width	1	i ocus coloi	0, 0, 0
Layout	1		
•	Harden de d	Uninka	50
Fit to size	Unchecked	Height	50
X position	146	Y position	7
Width	50		
Text			
Font	Tahoma, 16px	Horizontal alignment	Centered
Vertical alignment	Middle		
Flashing			
Flashing	None		
Miscellaneous			
Tooltip		Layer	0 - Layer_0
Name	FB_Right_Round		
Security			
Authorization		Allow operator con- trol	Checked
Dynamizations\Event			
Event name	Press		
Function list\SetBit			
Tag	s1		
Dynamizations\Event			
Event name	Relea	se	
Function list\ResetBit			
Tag	s1		
•			
Text field_1			
Туре	Text field		
General			
Text	Iniciar		
Appearance			
Background color	153, 153, 192	Background fill pat- tern	Transparent
Border color	0, 0, 0	3D border style	Unchecked
Border width	1	Line style	None
Foreground color	0, 0, 0		
Layout			
Bottom margin	2	Fit to size	Checked
	23	X position	146
Height			
Height Left margin	2	Right margin	2

/ position	60	Top margin	2
Nidth	56		
Text			
Font	Tahoma, 16px, style=Bold	Horizontal alignment	: Left
Line break	Unchecked	Orientation	Horizontal
Vertical alignment	Тор		
Flashing			
Flashing	None		
Miscellaneous			
Layer	0 - Layer_0	Name	Text field_1
Text field_3			
Туре	Text field		
General	rext neid		
Text	Home		
Appearance	,		
Background color	153, 153, 192	Background fill pat- tern	Transparent
Border color	0, 0, 0	3D border style	Unchecked
Border width	1	Line style	None
Foreground color	0, 0, 0	Line style	
Layout	0, 0, 0		
Bottom margin	2	Fit to size	Checked
Height	23	X position	78
Left margin	23	Right margin	2
Y position	60		2
y position Width	51	Top margin	2
Text	51		
Font	T. 16		
	Tahoma, 16px, style=Bold	Horizontal alignment	
Line break	Unchecked	Orientation	Horizontal
Vertical alignment	Тор		
Flashing	le.		
Flashing	None		
Miscellaneous			
Layer	0 - Layer_0	Name	Text field_3
Text field_4			
Туре	Text field		
General	, ext neid		
Text	Alarme		
Appearance	p same		
Background color	153, 153, 192	Background fill pat- tern	Transparent
Border color	0, 0, 0	3D border style	Unchecked
Border width	1	Line style	None
Foreground color	0, 0, 0		1
Layout			
Bottom margin	2	Fit to size	Checked
Height	23	X position	4
Left margin	2	Right margin	2
Y position	60	Top margin	2
Width	63	1	
Text	, 		
	Tahoma, 16px, style=Bold	Horizontal alignment	Left
Font		inonizoniai angimlem	
Font Line break	Unchecked	Orientation	Horizontal

Flashing			
Flashing	None		
Miscellaneous	Notie		
Layer	0 - Layer_0	Name	Text field_4
Layer	0 - Layer_0	Name	Text field_4
Text field_5			
Туре	Text field		
General			
Text	Passo		
Appearance			
Background color	153, 153, 192	Background fill pat- tern	Transparent
Border color	0, 0, 0	3D border style	Unchecked
Border width	1	Line style	None
Foreground color	0, 0, 0		1 -
Layout	, , -, -		
Bottom margin	2	Fit to size	Checked
Height	23	X position	260
Left margin	2	Right margin	2
Y position	213	Top margin	2
		тор шагдіп	4
Width Text	51		
Font	Tahoma, 16px, style=Bold	Horizontal alignment	
Line break	Unchecked	Orientation	Horizontal
Vertical alignment	Тор		
Flashing			
Flashing	None		
Miscellaneous			
Layer	0 - Layer_0	Name	Text field_5
Text field_6			
Туре	Text field		
General	T EXC TIETO		
Text	Emergência		
Appearance	Emergencia		
Background color	153, 153, 192	Background fill pat- tern	Transparent
Border color	0, 0, 0	3D border style	Unchecked
Border color Border width	1		None
Foreground color	0, 0, 0	Line style	None
	0, 0, 0		
Layout	2	Fit to air-	Chasked
Bottom margin	2	Fit to size	Checked
Height	23	X position	212
Left margin	2	Right margin	2
Y position	68	Top margin	2
Width	99		
Text			
Font	Tahoma, 16px, style=Bold	Horizontal alignment	
Line break	Unchecked	Orientation	Horizontal
	Тор		
Vertical alignment			
Vertical alignment Flashing			
Vertical alignment Flashing Flashing	None		
Vertical alignment Flashing	None		
Vertical alignment Flashing Flashing Miscellaneous	None 0 - Layer_0	Name	Text field_6
Vertical alignment Flashing Flashing	0 - Layer_0	Name	Text field_6
Vertical alignment Flashing Flashing Miscellaneous Layer	0 - Layer_0	Name	Text field_6

General					
Bit number	0		Mode	Graphic	
Graphic list			Graphic OFF		nd_Released_256c
Graphic ON	FB_Right_Round_Pres	sed 256c	Process value		
Text list			Text OFF	Text	
Text ON	Text				
Appearance					
Background color	182, 182, 192		Foreground color	0, 0, 0	
Design					
3D border style	Unchecked		Focus color	0, 0, 0	
Focus width	1				
Layout					
Fit to size	Unchecked		Height	50	
X position	249		Y position	106	
Width	50				
Text					
Font	Tahoma, 16px		Horizontal alignment	Centered	
Vertical alignment	Middle				
Flashing					
Flashing	None				
Miscellaneous					
Tooltip			Layer	0 - Layer_0	
Name	FB_Right_Round_1				
Security					
Authorization			Allow operator con- trol	Checked	
Dynamizations\Even	t				
Event name		Release			
Function list\ResetBi	t				
Tag		ResetAlarm			
Dynamizations\Even	t				
Event name		Press			
Function list\SetBit					
Tag		ResetAlarm			
Text field_7					
Туре	Text field				
General					
Text	Reset Alarme				
Appearance					
Background color	153, 153, 192		Background fill pat- tern	Transparent	
Border color	0, 0, 0		3D border style	Unchecked	
Border width	1		Line style	None	
Foreground color	0, 0, 0				
			Fit to size	Checked	
Layout	2		X position	230	
Layout Bottom margin	20				
Layout Bottom margin Height	20		Right margin	2	
Layout Bottom margin Height Left margin	20		Right margin	2	
Layout Bottom margin Height Left margin Y position	20 2 156		Right margin Top margin	2	
Layout Bottom margin Height Left margin Y position Width	20				
Layout Bottom margin Height Left margin Y position Width Text	20 2 156 81		Top margin	2	
Layout Bottom margin Height Left margin Y position Width Text Font	20 2 156 81 Tahoma, 13px		Top margin Horizontal alignment	2 Left	
Layout Bottom margin Height Left margin Y position Width Text	20 2 156 81		Top margin	2	

Totally Integrated Automation Portal			
Flashing			
Flashing Nor	ne		
Miscellaneous			
Layer 0 -	Layer_0	Name Text fi	eld_7
	cayo0	pear.	

Totally Integrated Automation Portal **EditorView** Screen_1 Hardcopy of Screen_1 **Emergência** *0000000 Ciclos 1 Filtro Entupido **Maturador Entupido** Limpeza Maturador 2 Limpeza Filtro Temperatura Fluído Refrigerante General Name Background color Number 182, 182, 192 Screen_1 0, 0, 0 Grid color 2 Template Tooltip Layers Active layer 0 Specifies the layer. Layer_0 Layer_1 Layer_2 Layer_3 Layer_4 Visible during configuration Checked Checked Checked Checked Checked Layer_5 Layer_6 Checked Checked Layer_7 Layer_8 Checked Checked Layer_9 Checked Layer_10 Checked Layer_11 Checked Layer_12 Checked Layer_13 Checked Layer_14 Checked Layer_15 Checked Layer_16 Checked Layer_17 Checked Layer_18 Checked Layer_19 Checked Layer_20 Checked Layer_21 Checked Layer_22 Checked

Totally Integrated			
Automation Portal			
Specifies the layer.		Visible during configu	ration
_ayer_23		Checked	
Layer_24		Checked	
Layer_25		Checked	
Layer_26		Checked	
Layer_27		Checked	
Layer_28		Checked	
Layer_29		Checked	
Layer_30		Checked	
Layer_31		Checked	
PlotLight_Round_R			
Туре	Graphic I/O field		
General		110.00	
Bit number	0	Mode	Two states
Value status ON	1	Graphic list	
Graphic OFF	Pushbutton_Round_N_On_mono	Graphic ON	PilotLight_Round_R_On_256c
Process value	0		
Appearance			
Background color	182, 182, 192	Border color	0, 0, 0
3D border style	Unchecked	Border width	1
Line style	None	Focus color	0, 0, 0
Focus width	1	Scroll bar orientation	Vertical
Show scroll bar	No scrollbar	Transparent color	255, 0, 255
Use transparent color	Unchecked		
Layout			
Fit to size	Unchecked	Height	50
X position	24	Y position	147
Width	50		
Flashing			
Flashing	None	Flash on limit viola- tion	Unchecked
Limits			
Color for High limit	255, 0, 0	Color for Low limit	255, 255, 0
violated	255, 6, 6	violated	233, 233, 6
Miscellaneous			
Tooltip		Layer	0 - Layer_0
Name	PlotLight_Round_R		· · · ·
Security			
Authorization		Allow operator con- trol	Checked
Dynamizations\Tag co	onnection	il Oi	
Property name	Process value	Tag	alarmeTemp
· •		iug	ulumeremp
PlotLight_Round_R			
Туре	Graphic I/O field		
General			
Bit number	0	Mode	Two states
Value status ON	1	Graphic list	
Graphic OFF	Pushbutton_Round_N_On_mono	Graphic ON	PilotLight_Round_R_On_256c
Process value	0		
Appearance			
Background color	182, 182, 192	Border color	0, 0, 0
3D border style	Unchecked	Border width	1
	None	Focus color	0, 0, 0
Line style	INOTIC		
	1 No scrollbar	Scroll bar orientation Transparent color	Vertical 255, 0, 255

Totally Integrated			
Automation Porta			
Automation Forta			
Use transparent colo	r Unchecked		
Layout			
Fit to size	Unchecked	Height	50
X position	137	Y position	64
Width	50		
Flashing			
Flashing	None	Flash on limit viola-	Unchecked
		tion	
Limits			
Color for High limit	255, 0, 0	Color for Low limit	255, 255, 0
violated	, -, -	violated	
Miscellaneous			
Tooltip		Layer	0 - Layer_0
Name	PlotLight_Round_R_1	Layer	o Edyci_o
Security	HotElgHt_NodHd_It_1		
		All	Charles d
Authorization		Allow operator con-	Checked
D		trol	
Dynamizations\Tag c			
Property name	Process value	Tag	alarmeMat
DI III II D			
PlotLight_Round_F	2		
-	C 1: NO.E 11		
Туре	Graphic I/O field		
General			
Bit number	0	Mode	Two states
Value status ON	1	Graphic list	
Graphic OFF	Pushbutton_Round_N_On_mono	Graphic ON	PilotLight_Round_R_On_256c
Process value	0		
Appearance			
Background color	182, 182, 192	Border color	0, 0, 0
3D border style	Unchecked	Border width	1
Line style	None	Focus color	0, 0, 0
Focus width	1	Scroll bar orientation	
Show scroll bar	No scrollbar	Transparent color	255, 0, 255
		Transparent Color	255, 0, 255
Use transparent colo	r Unchecked		
Layout			
Fit to size	Unchecked	Height	50
X position	137	Y position	148
Width	50		
Flashing			
Flashing	None	Flash on limit viola-	Unchecked
		tion	
Limits			
Color for High limit	255, 0, 0	Color for Low limit	255, 255, 0
violated	1	violated	· ·
violateu			
Miscellaneous			
Miscellaneous		Laver	0 - Laver 0
Miscellaneous Tooltip	PlotLight Round R 2	Layer	0 - Layer_0
Miscellaneous Tooltip Name	PlotLight_Round_R_2	Layer	0 - Layer_0
Miscellaneous Tooltip Name Security	PlotLight_Round_R_2		
Miscellaneous Tooltip Name	PlotLight_Round_R_2	Allow operator con-	0 - Layer_0 Checked
Miscellaneous Tooltip Name Security Authorization			
Miscellaneous Tooltip Name Security Authorization	onnection	Allow operator control	Checked
Miscellaneous Tooltip Name Security Authorization		Allow operator con-	
Miscellaneous Tooltip Name Security Authorization Dynamizations\Tag c Property name	onnection Process value	Allow operator control	Checked
Miscellaneous Tooltip Name Security Authorization	onnection Process value	Allow operator control	Checked
Miscellaneous Tooltip Name Security Authorization Dynamizations\Tag c Property name PlotLight_Round_F	onnection Process value	Allow operator control	Checked
Miscellaneous Tooltip Name Security Authorization Dynamizations\Tag c Property name PlotLight_Round_F Type	onnection Process value	Allow operator control	Checked
Miscellaneous Tooltip Name Security Authorization Dynamizations\Tag c Property name PlotLight_Round_F Type General	onnection Process value 2_3 Graphic I/O field	Allow operator control	Checked
Miscellaneous Tooltip Name Security Authorization Dynamizations\Tag c Property name PlotLight_Round_F Type General Bit number	onnection Process value 2_3 Graphic I/O field	Allow operator control Tag Mode	Checked
Miscellaneous Tooltip Name Security Authorization Dynamizations\Tag c Property name PlotLight_Round_F Type General	onnection Process value 2_3 Graphic I/O field	Allow operator control	Checked
Miscellaneous Tooltip Name Security Authorization Dynamizations\Tag c Property name PlotLight_Round_F Type General Bit number	onnection Process value 2_3 Graphic I/O field	Allow operator control Tag Mode	Checked

Automation Portal			
Graphic OFF	Pushbutton_Round_N_On_mono	Graphic ON	PilotLight_Round_R_On_256c
Process value	0		
Appearance			
Background color	182, 182, 192	Border color	0, 0, 0
3D border style	Unchecked	Border width	1
Line style	None	Focus color	0, 0, 0
Focus width	1	Scroll bar orientation	
Show scroll bar	No scrollbar	Transparent color	255, 0, 255
Use transparent color		Transparent Color	233, 0, 233
	Unchecked		
Layout			F.0
Fit to size	Unchecked	Height	50
X position	24	Y position	64
Width	50		
Flashing			
Flashing	None	Flash on limit viola- tion	Unchecked
Limits			
Color for High limit violated	255, 0, 0	Color for Low limit violated	255, 255, 0
Miscellaneous			
Tooltip		Layer	0 - Layer_0
Name	PlotLight_Round_R_3		
Security			
Authorization		Allow operator con- trol	Checked
Dynamizations\Tag co	nnection		
Property name	Process value	Tag	alarmeFiltro
Text field_4 Type	Text field		
General			
	Temperatura		
Text			
	remperatura		
Text Appearance Background color	153, 153, 192	Background fill pat- tern	Transparent
Appearance	153, 153, 192	tern	Transparent Unchecked
Appearance Background color Border color		tern 3D border style	Unchecked
Appearance Background color Border color Border width	153, 153, 192 0, 0, 0	tern	·
Appearance Background color Border color Border width Foreground color	153, 153, 192 0, 0, 0	tern 3D border style	Unchecked
Appearance Background color Border color Border width Foreground color Layout	153, 153, 192 0, 0, 0 1 0, 0, 0	tern 3D border style Line style	Unchecked None
Appearance Background color Border color Border width Foreground color Layout Bottom margin	153, 153, 192 0, 0, 0 1 0, 0, 0	tern 3D border style Line style Fit to size	Unchecked None
Appearance Background color Border color Border width Foreground color Layout Bottom margin Height	153, 153, 192 0, 0, 0 1 0, 0, 0	tern 3D border style Line style Fit to size X position	Unchecked None Checked
Appearance Background color Border color Border width Foreground color Layout Bottom margin Height Left margin	153, 153, 192 0, 0, 0 1 0, 0, 0 2 17 2	tern 3D border style Line style Fit to size X position Right margin	Unchecked None Checked
Appearance Background color Border color Border width Foreground color Layout Bottom margin Height Left margin Y position	153, 153, 192 0, 0, 0 1 0, 0, 0 2 17 2 201	tern 3D border style Line style Fit to size X position	Unchecked None Checked
Appearance Background color Border width Foreground color Layout Bottom margin Height Left margin Y position Width	153, 153, 192 0, 0, 0 1 0, 0, 0 2 17 2	tern 3D border style Line style Fit to size X position Right margin	Unchecked None Checked
Appearance Background color Border color Border width Foreground color Layout Bottom margin Height Left margin Y position Width	153, 153, 192 0, 0, 0 1 0, 0, 0 2 17 2 201 79	tern 3D border style Line style Fit to size X position Right margin Top margin	Unchecked None Checked 11 2 2
Appearance Background color Border color Border width Foreground color Layout Bottom margin Height Left margin Y position Width Text Font	153, 153, 192 0, 0, 0 1 0, 0, 0 2 17 2 201 79 Tahoma, 11px, style=Bold	tern 3D border style Line style Fit to size X position Right margin Top margin Horizontal alignment	Unchecked None Checked 11 2 2
Appearance Background color Border color Border width Foreground color Layout Bottom margin Height Left margin Y position Width Text Font Line break	153, 153, 192 0, 0, 0 1 0, 0, 0 2 17 2 201 79 Tahoma, 11px, style=Bold Unchecked	tern 3D border style Line style Fit to size X position Right margin Top margin	Unchecked None Checked 11 2 2
Appearance Background color Border color Border width Foreground color Layout Bottom margin Height Left margin Y position Width Text Font Line break Vertical alignment	153, 153, 192 0, 0, 0 1 0, 0, 0 2 17 2 201 79 Tahoma, 11px, style=Bold	tern 3D border style Line style Fit to size X position Right margin Top margin Horizontal alignment	Unchecked None Checked 11 2 2
Appearance Background color Border color Border width Foreground color Layout Bottom margin Height Left margin Y position Width Text Font Line break Vertical alignment	153, 153, 192 0, 0, 0 1 0, 0, 0 2 17 2 201 79 Tahoma, 11px, style=Bold Unchecked	tern 3D border style Line style Fit to size X position Right margin Top margin Horizontal alignment	Unchecked None Checked 11 2 2
Appearance Background color Border color Border width Foreground color Layout Bottom margin Height Left margin Y position Width Text Font Line break Vertical alignment Flashing	153, 153, 192 0, 0, 0 1 0, 0, 0 2 17 2 201 79 Tahoma, 11px, style=Bold Unchecked	tern 3D border style Line style Fit to size X position Right margin Top margin Horizontal alignment	Unchecked None Checked 11 2 2
Appearance Background color Border color Border width Foreground color Layout Bottom margin Height Left margin Y position Width Text Font Line break Vertical alignment Flashing Flashing	153, 153, 192 0, 0, 0 1 0, 0, 0 2 17 2 201 79 Tahoma, 11px, style=Bold Unchecked Top	tern 3D border style Line style Fit to size X position Right margin Top margin Horizontal alignment	Unchecked None Checked 11 2 2
Appearance Background color Border color Border width Foreground color Layout Bottom margin Height Left margin Y position Width Text Font Line break Vertical alignment Flashing Flashing Miscellaneous	153, 153, 192 0, 0, 0 1 0, 0, 0 2 17 2 201 79 Tahoma, 11px, style=Bold Unchecked Top None	tern 3D border style Line style Fit to size X position Right margin Top margin Horizontal alignment Orientation	Unchecked None Checked 11 2 2 2 Left Horizontal
Appearance Background color Border color Border width Foreground color Layout Bottom margin Height Left margin Y position Width Text Font Line break Vertical alignment Flashing Flashing	153, 153, 192 0, 0, 0 1 0, 0, 0 2 17 2 201 79 Tahoma, 11px, style=Bold Unchecked Top	tern 3D border style Line style Fit to size X position Right margin Top margin Horizontal alignment	Unchecked None Checked 11 2 2
Appearance Background color Border color Border width Foreground color Layout Bottom margin Height Left margin Y position Width Text Font Line break Vertical alignment Flashing Flashing Miscellaneous Layer	153, 153, 192 0, 0, 0 1 0, 0, 0 2 17 2 201 79 Tahoma, 11px, style=Bold Unchecked Top None	tern 3D border style Line style Fit to size X position Right margin Top margin Horizontal alignment Orientation	Unchecked None Checked 11 2 2 2 Left Horizontal
Appearance Background color Border color Border width Foreground color Layout Bottom margin Height Left margin Y position Width Text Font Line break Vertical alignment Flashing Miscellaneous Layer Text field_1 Type	153, 153, 192 0, 0, 0 1 0, 0, 0 2 17 2 201 79 Tahoma, 11px, style=Bold Unchecked Top None 0 - Layer_0	tern 3D border style Line style Fit to size X position Right margin Top margin Horizontal alignment Orientation	Unchecked None Checked 11 2 2 2 Left Horizontal
Appearance Background color Border color Border width Foreground color Layout Bottom margin Height Left margin Y position Width Text Font Line break Vertical alignment Flashing Flashing Miscellaneous Layer Text field_1	153, 153, 192 0, 0, 0 1 0, 0, 0 2 17 2 201 79 Tahoma, 11px, style=Bold Unchecked Top None 0 - Layer_0	tern 3D border style Line style Fit to size X position Right margin Top margin Horizontal alignment Orientation	Unchecked None Checked 11 2 2 2 Left Horizontal

Appearance			
Background color	153, 153, 192	Background fill pat- tern	Transparent
Border color	0, 0, 0	3D border style	Unchecked
Border width	1	Line style	None
Foreground color	0, 0, 0		
Layout			
Bottom margin	2	Fit to size	Checked
Height	17	X position	106
Left margin	2	Right margin	2
Y position	117	Top margin	2
Width	116		
Text			
Font	Tahoma, 11px, style=Bold	Horizontal alignment	
Line break	Unchecked	Orientation	Horizontal
Vertical alignment	Тор		
Flashing	1		
Flashing	None		
Miscellaneous		N	T . C . L . 4
Layer	0 - Layer_0	Name	Text field_1
Text field_2			
Туре	Text field		
General			
Text	Filtro Entupido		
Appearance			
Background color	153, 153, 192	Background fill pat- tern	Transparent
Border color	0, 0, 0	3D border style	Unchecked
Border width	1	Line style	None
Foreground color	0, 0, 0		
Layout			
Bottom margin	2	Fit to size	Checked
Height	17	X position	5
Left margin	2	Right margin	2
Y position	117	Top margin	2
Width	85		
Text			
Font	Tahoma, 11px, style=Bold	Horizontal alignment	
Line break	Unchecked	Orientation	Horizontal
Vertical alignment	Тор		
Flashing	1		
Flashing	None		
Miscellaneous Layer	0 - Layer_0	Name	Text field_2
•	u - Layer_u	матте	rext field_2
Text field_3			
Туре	Text field		
General			
Text	Fluído Refrigerante		
Appearance			
Background color	153, 153, 192	Background fill pat- tern	Transparent
	0, 0, 0	3D border style	Unchecked
Border color	, , , -		-
Border color Border width	1	Line style	None

Totally Integrated Automation Portal			
Automation Fortal			
Layout			
Bottom margin	2	Fit to size	Checked
Height	17	X position	111
	2	Right margin	2
	201	Top margin	2
	112	Top margin	2
	112		
Text			
	Tahoma, 11px, style=Bold	Horizontal alignment	
	Unchecked	Orientation	Horizontal
Vertical alignment	Тор		
Flashing			
	None		
Miscellaneous			
	0 - Layer_0	Name	Text field_3
Layer	0 - Layei_0	Ivaille	Text field_3
PlotLight_Round_R_	4		
		_	
	Graphic I/O field		
General			
Bit number	0	Mode	Two states
Value status ON	1	Graphic list	
Graphic OFF	Pushbutton_Round_N_On_mono	Graphic ON	PilotLight_Round_R_On_256c
	0	Grapine Ort	riiotzigiit_kounu_k_on_250c
	0		
Appearance			
	182, 182, 192	Border color	0, 0, 0
	Unchecked	Border width	1
Line style	None	Focus color	0, 0, 0
Focus width	1	Scroll bar orientation	Vertical
Show scroll bar	No scrollbar	Transparent color	255, 0, 255
Use transparent color		Transparent color	255, 5, 255
<u> </u>	Olichecked		
Layout		llee • •	
	Unchecked	Height	50
	24	Y position	2
Width	50		
Flashing			
Flashing	None	Flash on limit viola-	Unchecked
•		tion	
Limits			
Color for High limit	255, 0, 0	Color for Low limit	255, 255, 0
violated	, , 	violated	
Miscellaneous			
Tooltip		Layer	0 - Layer_0
	PlotLight_Round_R_4	Layer	o Layer_o
	noteignt_nounu_r_4		
Security		11	T-1
Authorization		Allow operator con- trol	Checked
Dynamizations\Tag con	nection	uoi	
	Process value	Tag	emergencia
Toperty name	1 Toccis value	iay	emergencia
Text field_6			
Typo	Text field		
71	rext neiu		
General			
Text	Emergência		
Appearance	153, 153, 192	Background fill pat-	Transparent
Appearance	133, 133, 132		
Appearance Background color		tern	
Appearance Background color Border color	0, 0, 0	3D border style	Unchecked
Appearance Background color Border color			Unchecked None

Totally Integrated Automation Portal			
Foreground color	0, 0, 0		
Layout			
Bottom margin	2	Fit to size	Checked
Height	22	X position	80
Left margin	2	Right margin	2
Y position	16	Top margin	2
Width	91	- ' '	
Text			
Font	Tahoma, 15px, style=Bold	Horizontal alignment	Left
Line break	Unchecked	Orientation	Horizontal
Vertical alignment	Тор	Onentation	Horizontal
	ТОР		
Flashing			
Flashing	None		
Miscellaneous			
Layer	0 - Layer_0	Name	Text field_6
I/O field_1			
	WO C II		
Туре	I/O field		
General			
Display format	Decimal	Field length	10
Format pattern	9999999	Mode	Output
Process value		Shift decimal point	0
Show leading zeros	Unchecked		
Appearance			
Background color	255, 255, 255	Background fill pat- tern	Solid
Border color	0, 0, 0	3D border style	Unchecked
Line style	None	Foreground color	0, 0, 0
Unit	- Itone	r or agreema core.	0,0,0
Characteristics			
Hidden input	Unchecked		
Layout	Offichecked		
		er	
Bottom margin	2	Fit to size	Unchecked
Height	20	X position	223
Left margin	2	Right margin	2
Y position	18	Top margin	2
Width	80		
Text			
Font	Tahoma, 13px	Horizontal alignment	Left
Line break	Unchecked	Vertical alignment	Тор
Flashing			1 -1
Flashing	None	Flash on limit viola- tion	Unchecked
Limits		aon	
Color for High limit	255, 0, 0	Color for Low limit	255, 255, 0
Color for High limit violated	255, U, U	violated	233, 233, 0
		violated	
Miscellaneous			
Tooltip	W2 5 11 4	Layer	0 - Layer_0
Name	I/O field_1		
Security			
Authorization		Allow operator con- trol	Checked
Dynamizations\Tag co	onnection		
	Process value	Tag	homeCount
Property name	-		
Property name Text field_5			
· •	Text field		

General Text	Ciclos		
Appearance	Cicios		
Background color	153, 153, 192	Background fill pat- tern	Transparent
Border color	0, 0, 0	3D border style	Unchecked
Border width	1	Line style	None
Foreground color	0, 0, 0		<u> </u>
Layout			
Bottom margin	2	Fit to size	Checked
Height	22	X position	222
Left margin	2	Right margin	2
Y position	38	Top margin	2
Width	49		
Text			
Font	Tahoma, 15px, style=Bold	Horizontal alignment	
Line break	Unchecked	Orientation	Horizontal
Vertical alignment	Тор		
Flashing			
Flashing	None		
Miscellaneous			
Layer	0 - Layer_0	Name	Text field_5
FB_Right_Round			
Туре	Button		
General			
Bit number	0	Mode	Graphic
Graphic list		Graphic OFF	FB_Right_Round_Released_256c
Graphic ON	FB_Right_Round_Pressed_256	oc Process value	
Text list		Text OFF	Text
Text ON	Text		
Appearance			
Background color Design	182, 182, 192	Foreground color	0, 0, 0
3D border style	Unchecked	Focus color	0, 0, 0
Focus width	1		
Layout			_
Fit to size	Unchecked	Height	50
X position	244	Y position	67
Width	50		
Text			
Font	Tahoma, 16px	Horizontal alignment	t Centered
Vertical alignment	Middle		
Flashing			
Flashing	None		
Miscellaneous		-	
Tooltip		Layer	0 - Layer_0
Name	FB_Right_Round		
Security Authorization		Allow operator con- trol	Checked
		112.22	
	Relea	se	
Event name			
Dynamizations\Eve Event name Function list\ResetE	Bit		
Event name		Mat	

Totally Integrated Automation Portal			
Dynamizations\Event			
Event name	Press		
Function list\SetBit			
Tag	cleanMat		
FB_Right_Round_1			
Туре	Button		
General			
Bit number	0	Mode	Graphic
Graphic list		Graphic OFF	FB_Right_Round_Released_256c
Graphic ON	FB_Right_Round_Pressed_256c	Process value	_ 5 _ 1 _ 1 _ 1 _ 1
Text list		Text OFF	Text
Text ON	Text	- I CALCOLL	rexe
Appearance	Text		
Background color	182, 182, 192	Foreground color	0, 0, 0
Design	102, 102, 132	i sregiouna coloi	0, 0, 0
Besign 3D border style	Unchecked	Focus color	0, 0, 0
Focus width	1	i ocus coloi	0, 0, 0
	1		
Layout			50
Fit to size	Unchecked	Height	50
X position	244	Y position	147
Width	50		
Text			
Font	Tahoma, 16px	Horizontal alignment	Centered
Vertical alignment	Middle		
Flashing			
Flashing	None		
Miscellaneous			
Tooltip		Layer	0 - Layer_0
Name	FB_Right_Round_1		
Security			
Authorization		Allow operator con- trol	Checked
Dynamizations\Event			
Event name	Press		
Function list\SetBit			
Tag	cleanFilt		
Dynamizations\Event			
Event name	Release		
Event name Function list\ResetBit	Release		
	Release cleanFilt		
Function list\ResetBit Tag			
Function list\ResetBit Tag Text field_7	clean Filt		
Function list\ResetBit Tag Text field_7 Type			
Function list\ResetBit Tag Text field_7 Type General	cleanFilt Text field		
Function list\ResetBit Tag Text field_7 Type General	clean Filt		
Function list\ResetBit Tag Text field_7 Type General Text	cleanFilt Text field Limpeza		
Function list\ResetBit Tag Text field_7 Type General Text Appearance	cleanFilt Text field Limpeza	Background fill pat-	Transparent
Function list\ResetBit Tag Text field_7 Type General Text Appearance Background color	Text field Limpeza Maturador 153, 153, 192	tern	·
Function list\ResetBit Tag Text field_7 Type General Text Appearance Background color Border color	Text field Limpeza Maturador 153, 153, 192 0, 0, 0	tern 3D border style	Unchecked
Function list\ResetBit Tag Text field_7 Type General Text Appearance Background color Border color Border width	cleanFilt Text field Limpeza Maturador 153, 153, 192 0, 0, 0	tern	·
Function list\ResetBit Tag Text field_7 Type General Text Appearance Background color Border color Border width Foreground color	Text field Limpeza Maturador 153, 153, 192 0, 0, 0	tern 3D border style	Unchecked
Function list\ResetBit Tag Text field_7 Type General Text Appearance Background color Border color Border width Foreground color Layout	cleanFilt Text field Limpeza Maturador 153, 153, 192 0, 0, 0 1 0, 0, 0	tern 3D border style Line style	Unchecked None
Function list\ResetBit Tag Text field_7 Type General Text Appearance Background color Border color Border width Foreground color	cleanFilt Text field Limpeza Maturador 153, 153, 192 0, 0, 0	tern 3D border style	Unchecked

Totally Integrated			
Automation Portal			
Left margin	2	Right margin	2
Y position	117	Top margin	2
Width	64		
Text			
Font	Tahoma, 11px, style=Bold	Horizontal alignment	Left
Line break	Unchecked	Orientation	Horizontal
Vertical alignment	Тор		
Flashing	- - - - - - - - -		
Flashing	None		
Miscellaneous	110.112		
Layer	0 - Layer_0	Name	Text field_7
Layer	0 - Layer_0	Ivaille	Text field_/
Text field_8			
Туре	Text field		
General	· ·		
Text	Limpeza Filtro		
Appearance	<u> </u>		
Background color	153, 153, 192	Background fill pat- tern	Transparent
Border color	0, 0, 0	3D border style	Unchecked
Border width	1	Line style	None
Foreground color	0, 0, 0	Line style	
Layout	0, 0, 0		
Bottom margin	2	Fit to size	Checked
Height	30	X position	244
Left margin	2	Right margin	2
Y position	198	Top margin	2
Width	51		
Text			
Font	Tahoma, 11px, style=Bold	Horizontal alignment	
Line break	Unchecked	Orientation	Horizontal
Vertical alignment	Тор		
Flashing			
Flashing	None		
Miscellaneous			
Layer	0 - Layer_0	Name	Text field_8