tally Integrated
Automation Portal

motortest [FB12]

motortest Pr	operties				
General					
Name	motortest	Number	12	Type FB	
Language	SCL	Numbering	Automatic		
Information					
Title		Author		Comment	
Family		Version	0.1	User-defined	
				ID	

Name	Data type	Default value	Retain	Acces- sible from HMI/OP C UA	ta- ble fro	in HMI engi-		Super- vision	Comment
▼ Input									
links	Bool	false	Non-retain	True	Tru e	True	False		
rechts	Bool	false	Non-retain	True	Tru e	True	False		
▼ Output									
k1	Bool	false	Non-retain	True	Tru e	True	False		
k2	Bool	false	Non-retain	True	Tru e	True	False		
InOut									
Static									
Temp									
Constant									

```
0001 IF #links = TRUE THEN
0002  #k1 := TRUE;
0003 ELSE
0004  #k1 := FALSE;
0005 END_IF;
0006 IF #rechts = TRUE THEN
0007  #k2 := TRUE;
0008 ELSE
0009  #k2 := FALSE;
0010 END_IF;
0011
```

Symbol	Address	Туре	Comment
#k1		Bool	
#k2		Bool	
#links		Bool	
#rechts		Bool	

AnalogeSensor_Materiaal [FB13]

AnalogeSens	or_Materiaal Properties				
General					
Name	Analoge Sensor_Materiaal	Number	13	Type	FB
Language	SCL	Numbering	Automatic		
Information					
Title		Author		Comment	
Family		Version	0.1	User-defined	
				ID	

Name	Data type	Default value	Retain	Acces- sible from HMI/OP C UA	ta- ble fro	ing		Super- vision	Comment
✓ Input									
Sensor_materiaal	Int	0	Non-retain	True	Tru e	True	False		
▼ Output									
metaal	Bool	false	Non-retain	True	Tru e	True	False		
InOut									
▼ Static									
maxwaarde_met- aal	Int	15000	Non-retain	True	Tru e	True	False		
Temp									
Constant									

```
0001 IF #Sensor_materiaal <= #maxwaarde_metaal THEN
0002  #metaal := TRUE;
0003 ELSE
0004  #metaal := FALSE;
0005 END_IF;
0006</pre>
```

Symbol	Address	Туре	Comment
#maxwaarde_metaal		Int	
#metaal		Bool	
#Sensor_materiaal		Int	

|--|

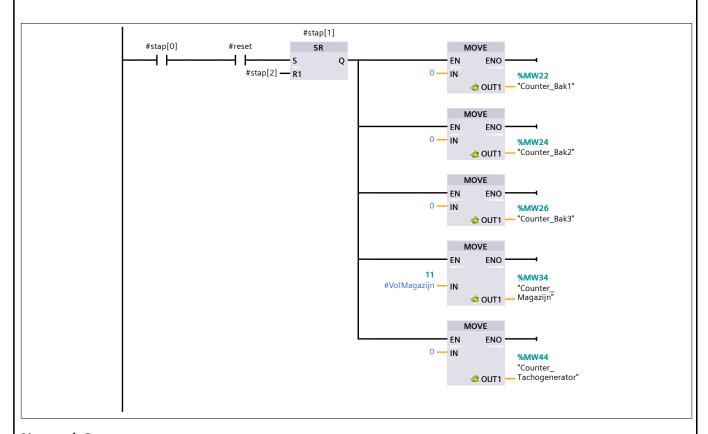
Reset_1 [FB2]

Reset_1 Prope	erties								
General									
Name	Reset_1	Number	2	Туре	FB				
Language	LAD	Numbering	Automatic						
Information									
Title		Author		Comment					
Family		Version	0.1	User-defined ID					

ame	Data type	Default value	Retain	Acces-	Wri	Visible	Set-	Super-	Comment
	7			sible from HMI/OP C UA	ta- ble fro m HM I/O	in HMI engi-		vision	
					PC UA				
▼ Input									
reset	Bool	false	Non-retain	False	Fals e	False	False		
Cil_V_in	Bool	false	Non-retain	False	Fals e	False	False		
Cil_H_in	Bool	false	Non-retain	False	Fals e	False	False		
Cil_M_in	Bool	false	Non-retain	False	Fals e	False	False		
Output									
Ven_H_in	Bool	false	Non-retain	False	Fals e	False	False		
Ven_V_in	Bool	false	Non-retain	False	Fals e	False	False		
Ven_M_in	Bool	false	Non-retain	False	Fals e	False	False		
Ven_H_uit	Bool	false	Non-retain	False	Fals e	False	False		
Ven_V_uit	Bool	false	Non-retain	False	Fals e	False	False		
Ven_M_uit	Bool	false	Non-retain	False	Fals e	False	False		
reset_complete	Bool	false	Non-retain	False	Fals e	False	False		
InOut									
▼ Static									
▼ stap	Array[02] of Bool		Non-retain	True	Tru e	True	False		
stap[0]	Bool	false	Non-retain	True	Tru e	True	False		
stap[1]	Bool	false	Non-retain	True	Tru e	True	False		
stap[2]	Bool	false	Non-retain	True	Tru e	True	False		
Temp									
Constant									

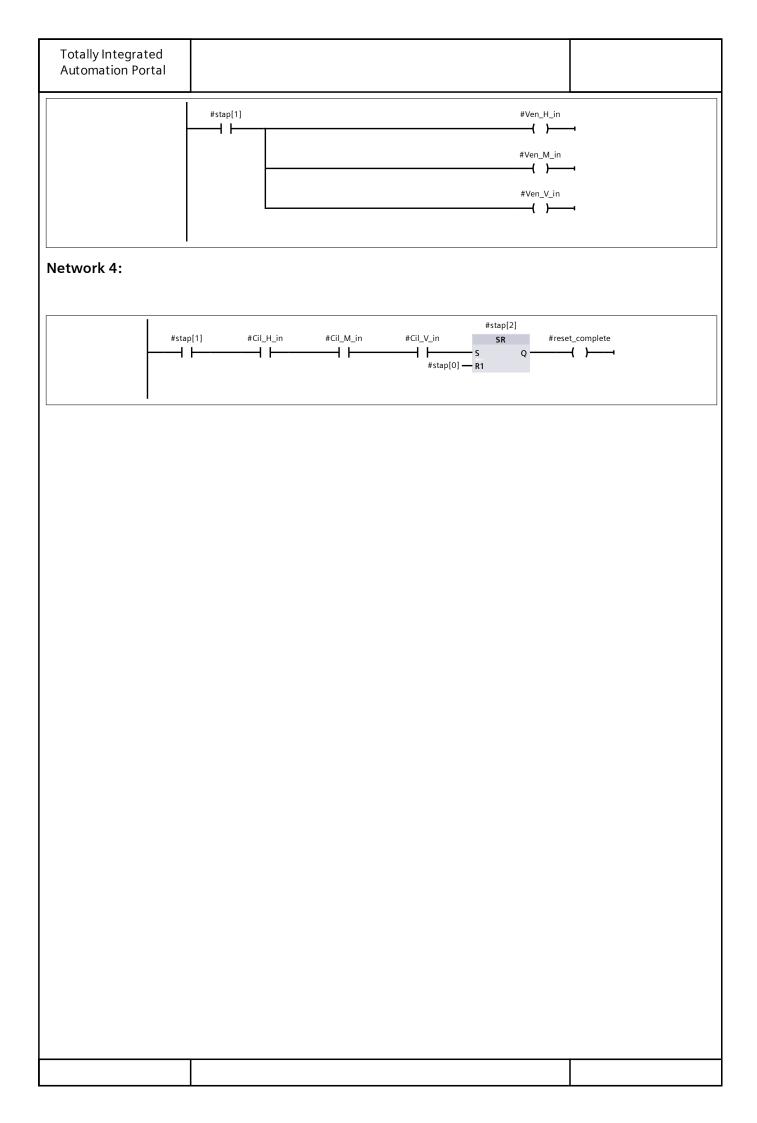
Totally Integrated Automation Portal							
Name	Data type	Default value	HMI/OP	ta- ble fro	in HMI engi-	Super- vision	Comment
VolMagazijn	Int	11					

Network 1:



Network 2:

Network 3:



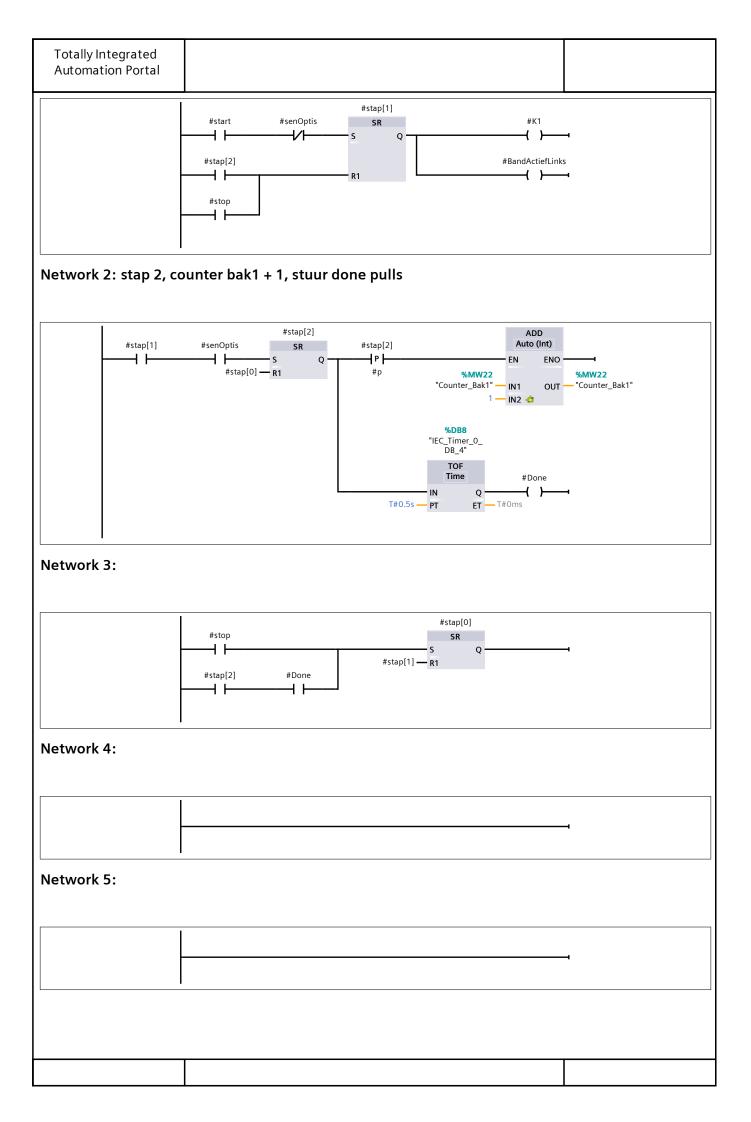
|--|

BN_Bak1 [FB5]

BN_Bak1 Pro	perties				
General					
Name	BN_Bak1	Number	5	Туре	FB
Language	LAD	Numbering	Automatic		
Information					
Title		Author		Comment	
Family		Version	0.1	User-defined	
				ID	

ame	Data type	Default value	Retain	Acces- sible from HMI/OP C UA	ta- ble fro	in HMI engi-		Comment
Input								
start	Bool	false	Non-retain	True	Tru e	True	False	
stop	Bool	false	Non-retain	True	Tru e	True	False	
senOptis	Bool	false	Non-retain	True	Tru e	True	False	
Output								
InOut								
Static								
▼ stap	Array[02] of Bool		Non-retain	True	Tru e	True	False	
stap[0]	Bool	false	Non-retain	True	Tru e	True	False	
stap[1]	Bool	false	Non-retain	True	Tru e	True	False	
stap[2]	Bool	false	Non-retain	True	Tru e	True	False	
K1	Bool	false	Non-retain	True	Tru e	True	False	
K2	Bool	false	Non-retain	True	Tru e	True	False	
BandActiefLinks	Bool	false	Non-retain	True	Tru e	True	False	
р	Bool	false	Non-retain	True	Tru e	True	False	
Done	Bool	false	Non-retain	True	Tru e	True	False	
Temp								
Constant								

Network 1: Stap 1, Draai band Links



|--|

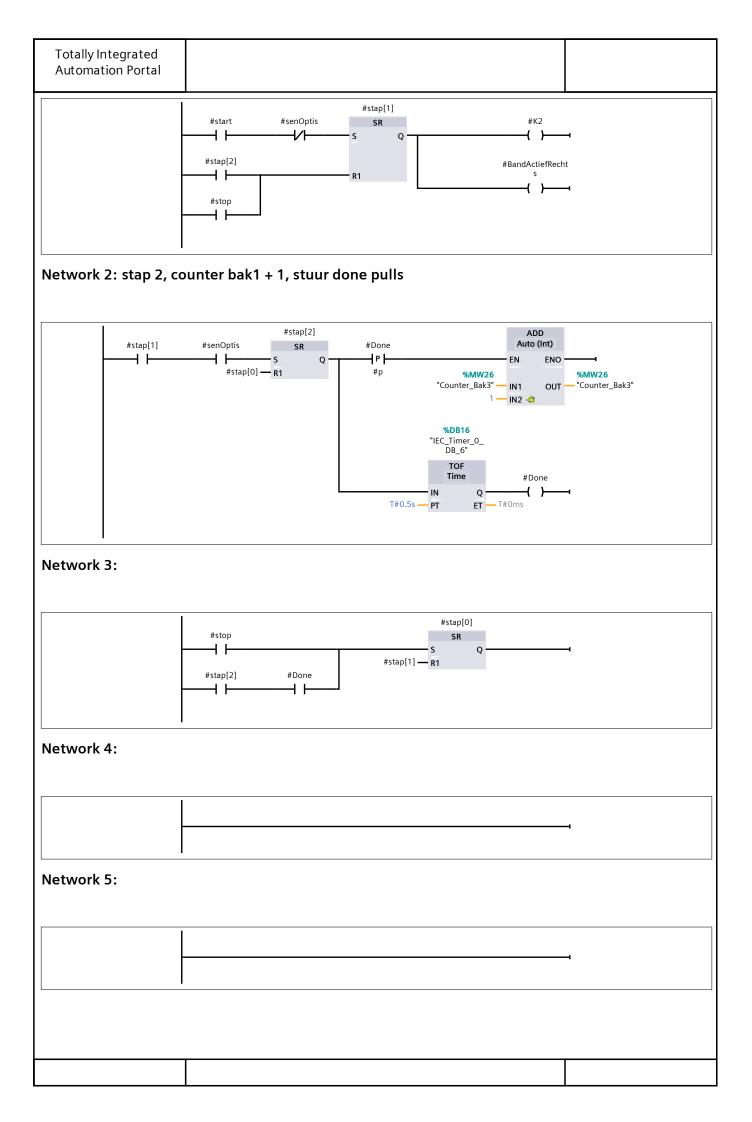
BN_Bak3 [FB7]

BN_Bak3 Prop	erties				
General					
Name	BN_Bak3	Number	7	Type	FB
Language	LAD	Numbering	Automatic		
Information					
Title		Author		Comment	
Family		Version	0.1	User-defined ID	

ame	Data type	Default value	Retain	Acces- sible from HMI/OP C UA	ta- ble fro	in HMI engi-		Comment
Input								
start	Bool	false	Non-retain	True	Tru e	True	False	
stop	Bool	false	Non-retain	True	Tru e	True	False	
senOptis	Bool	false	Non-retain	True	Tru e	True	False	
Output								
InOut								
Static								
▼ stap	Array[02] of Bool		Non-retain	True	Tru e	True	False	
stap[0]	Bool	false	Non-retain	True	Tru e	True	False	
stap[1]	Bool	false	Non-retain	True	Tru e	True	False	
stap[2]	Bool	false	Non-retain	True	Tru e	True	False	
K1	Bool	false	Non-retain	True	Tru e	True	False	
K2	Bool	false	Non-retain	True	Tru e	True	False	
BandActiefRechts	Bool	false	Non-retain	True	Tru e	True	False	
Done	Bool	false	Non-retain	True	Tru e	True	False	
р	Bool	false	Non-retain	True	Tru e	True	False	
Temp								
Constant								

Network 1: Stap 1, Draai band Rechts

	i		



P&P_1 [FB3]

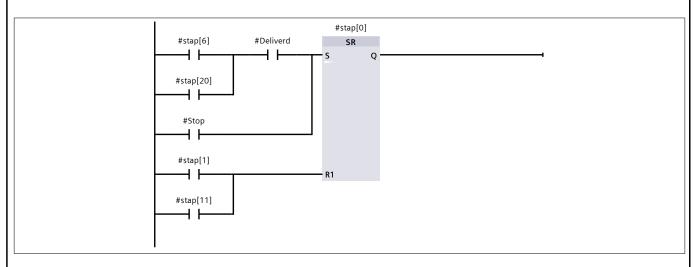
P&P_1 Propert	ies				
General					
Name	P&P_1	Number	3	Туре	FB
Language	LAD	Numbering	Automatic		
Information					
Title		Author		Comment	
Family		Version	0.1	User-defined ID	

ame	Data type	Default value	Retain		ta-	in HMI		Comment
				from HMI/OP C UA	fro	engi- neer- ing		
Input								
Start_Knop_man- ual	Bool	false	Non-retain	False	Fals e	False	False	
Start_P&P	Bool	false	Non-retain	False	Fals e	False	False	
Pauze	Bool	false	Non-retain	False	е	False	False	
Stop	Bool	false	Non-retain	False	e	False	False	
Sen_Cil_Maga- zijn_in	Bool	false	Non-retain	False	Fals e	False	False	
Sen_Cil_Maga- zijn_uit	Bool	false	Non-retain	False	Fals e	False	False	
Sen_Cil_Verti- caal_in	Bool	false	Non-retain	False	Fals e	False	False	
Sen_Cil_Verti- caal_uit	Bool	false	Non-retain	False	Fals e	False	False	
Sen_Cil_Horizon- taal_in	Bool	false	Non-retain	False	Fals e	False	False	
Sen_Cil_Horizon- taal_uit	Bool	false	Non-retain	False	Fals e	False	False	
Manual	Bool	false	Non-retain	False	Fals e	False	False	
Sensor_zuiger	Bool	false	Non-retain	True	Tru e	True	False	
Output								
Ven_Magazijn_in	Bool	false	Non-retain	False	Fals e	False	False	
Ven_Magazijn_uit		false	Non-retain	False	Fals e	False	False	
		false	Non-retain	False	e	False	False	
Ven_Verticaal_uit		false	Non-retain	False	e	False	False	
Ven_Horizon- taal_in	Bool	false	Non-retain	False	Fals e	False	False	

Totally Integrated Automation Portal								
Name	Data type	Default value	Retain	Acces- sible from HMI/OP C UA	ta- ble fro	in HMI engi-		Comment
Ven_Horizon-	Bool	false	Non-retain	False		False	False	
taal_uit Ven_Zuiger	Bool	false	Non-retain	False	e Fals	False	False	
Deliverd	Bool	false	Non-retain	False		False	False	
InOut					е			
▼ Static								
▼ stap	Ar- ray[020] of Bool		Non-retain	False	Fals e	False	False	
stap[0]	Bool	false	Non-retain	False	Fals e	False	False	
stap[1]	Bool	false	Non-retain	False	Fals e	False	False	
stap[2]	Bool	false	Non-retain	False	Fals e	False	False	
stap[3]	Bool	false	Non-retain	False	Fals e	False	False	
stap[4]	Bool	false	Non-retain	False	_	False	False	
stap[5]	Bool	false	Non-retain	False	_	False	False	
stap[6]	Bool	false	Non-retain	False		False	False	
stap[7]	Bool	false	Non-retain	False		False	False	
stap[8]	Bool	false	Non-retain	False		False	False	
stap[9]	Bool	false	Non-retain	False		False	False	
stap[10]	Bool	false	Non-retain	False	_	False	False	
stap[11]	Bool	false	Non-retain	False		False	False	
stap[12]	Bool	false	Non-retain	False		False	False	
stap[13]	Bool	false	Non-retain	False		False	False	
stap[14]	Bool	false	Non-retain	False		False	False	
stap[15]	Bool	false	Non-retain	False		False	False	
stap[16]	Bool	false	Non-retain	False	Fals e	False	False	
stap[17]	Bool	false	Non-retain	False	Fals e	False	False	
stap[18]	Bool	false	Non-retain	False		False	False	
stap[19]	Bool	false	Non-retain	False		False	False	

Name	Data type	Default value	Retain	Acces- sible from HMI/OF C UA	ta- ble fro m HM I/O PC UA	in HMI engi- neer- ing	point	Super- vision	Comment
stap[20]	Bool	false	Non-retain	False	Fals e	False	False		
p1	Bool	false	Non-retain	False	Fals e	False	False		
p2	Bool	false	Non-retain	False	Fals e	False	False		
P&P_Actief	Bool	false	Non-retain	True	Tru e	True	False		
Delay_zuiger	Time	T#2S	Non-retain	True	Tru e	True	False		
Delay_VenVerti- caal_uit	Time	T#500ms	Non-retain	True	Tru e	True	False		
Delay_VenVerti- caal_in	Time	T#1s	Non-retain	True	Tru e	True	False		
Probleem_Zuiger	Bool	false	Non-retain	True	Tru e	True	False		
Temp									
Constant									

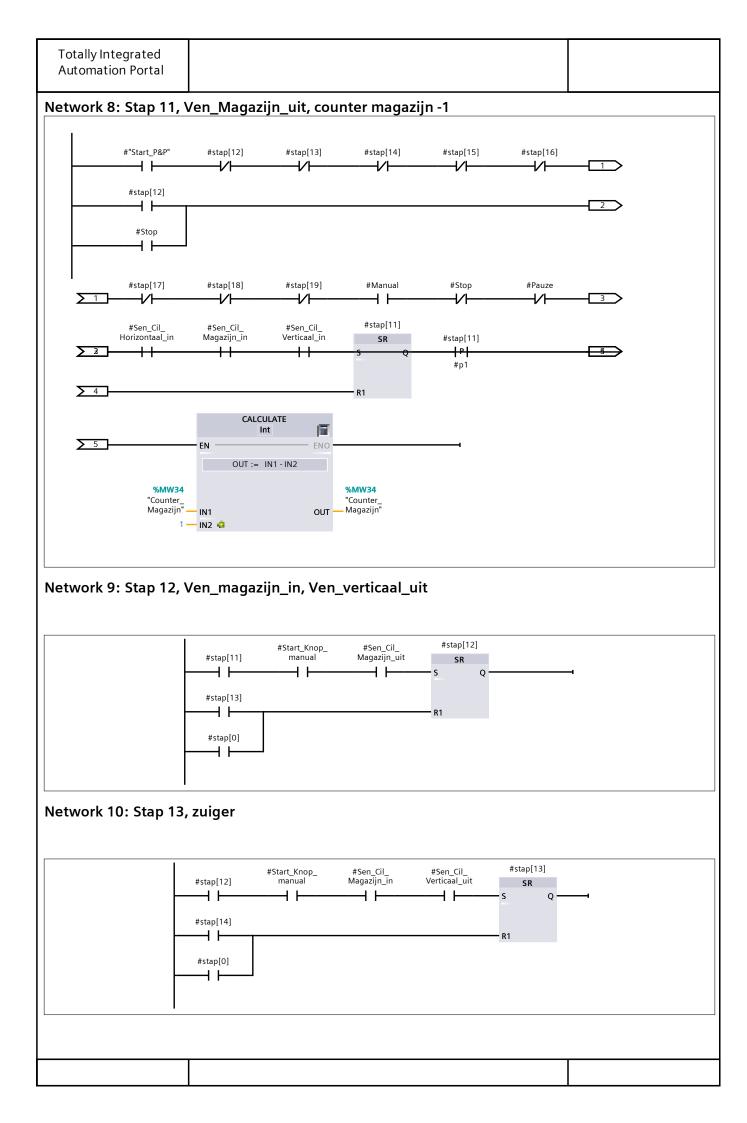
Network 1: Stap 0, Rust, Stop



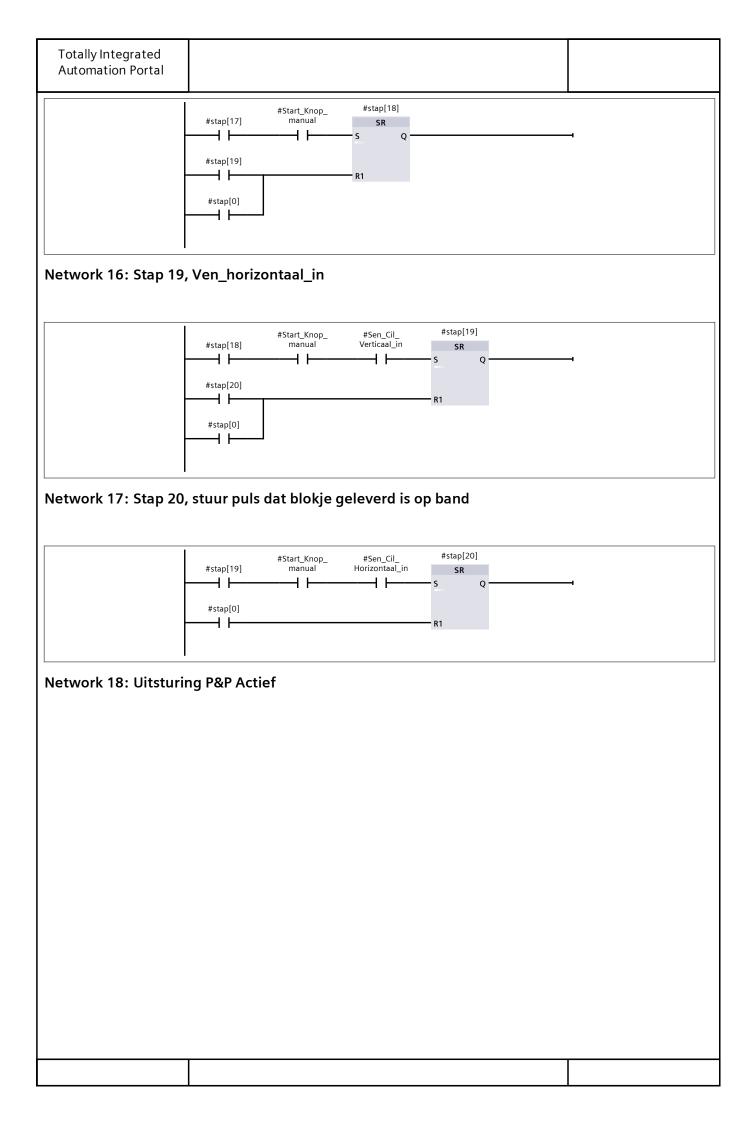
Network 2: Stap 1, Ven_magazijn_uit, Ven_verticaal_uit, counter magazijn -1

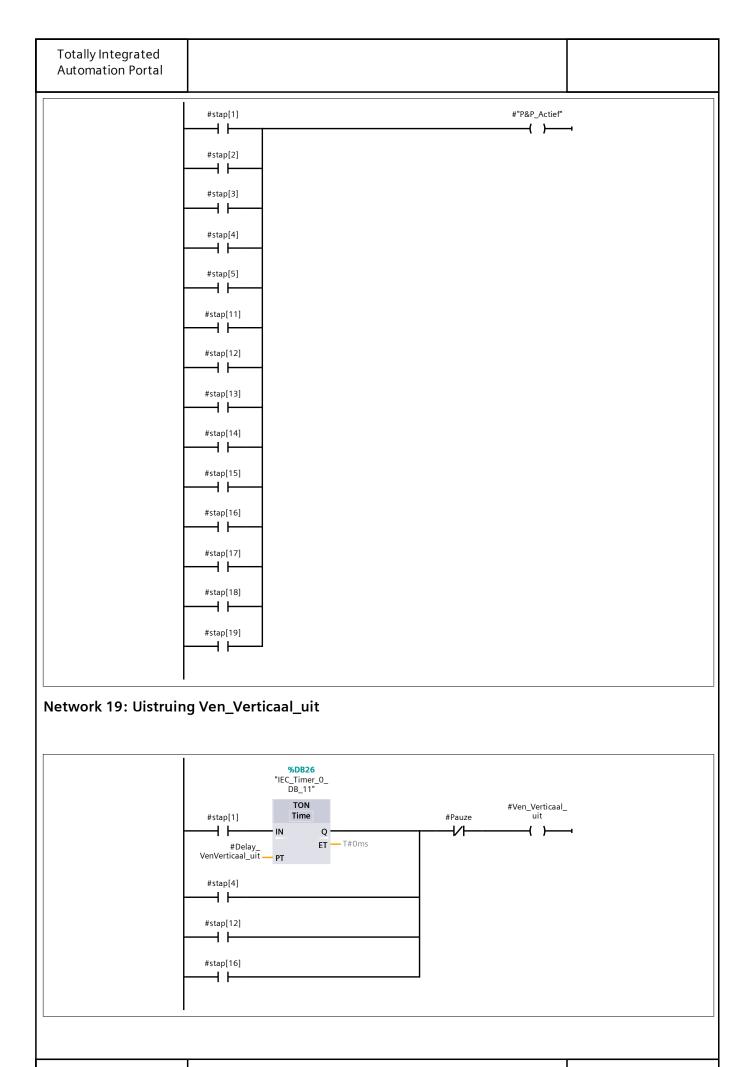
Totally Integrated Automation Portal Network 2: Stap 1, Ven_magazijn_uit, Ven_verticaal_uit, counter magazijn -1 #"Start_P&P" #stap[2] #stap[3] #stap[4] #stap[5] #stap[6] 4 H -1/} #stap[2] 4 H #Stop #Sen_Cil_ #Sen_Cil_ #Sen_Cil_ Horizontaal_in Verticaal_in #Manual #Stop #Pauze Magazijn_in 4 F | | | ┨┞ - 3 #stap[1] CALCULATE Int #stap[1] SR #p2 OUT := IN1 - IN2 \sim R1 %MW34 %MW34 "Counter_ Magazijn" -"Counter_ Magazijn" IN1 OUT 1 — IN2 🤞 Network 3: Stap 2, Zuiger %DR2 "IEC_Timer_0_ _ DB_1" #stap[2] TON #Sen_Cil_ #Sen_Cil_ #Probleem_ #stap[1] #Pauze Magazijn_uit Verticaal_uit Zuiger SR ┨┠ Q #Delay_zuiger — PT __ T#0ms ET -#stap[3] 4 F #stap[0] Network 4: Stap 3, Ven_magazijn_in, Ven_Horizontaal_in, zuiger, wacht 2s %DB1 "IEC_Timer_0_DB" #stap[3] #stap[2] #Pauze #Sensor_zuiger Time SR IN Q _T#0ms #Delay_ ET #stap[4] VenVerticaal_in _ ┨┞ R1 #stap[0] \dashv \vdash Network 5: Stap 4, Ven_magazijn_in, Ven_verticaal_uit, Ven_horizontaal_uit, zuiger

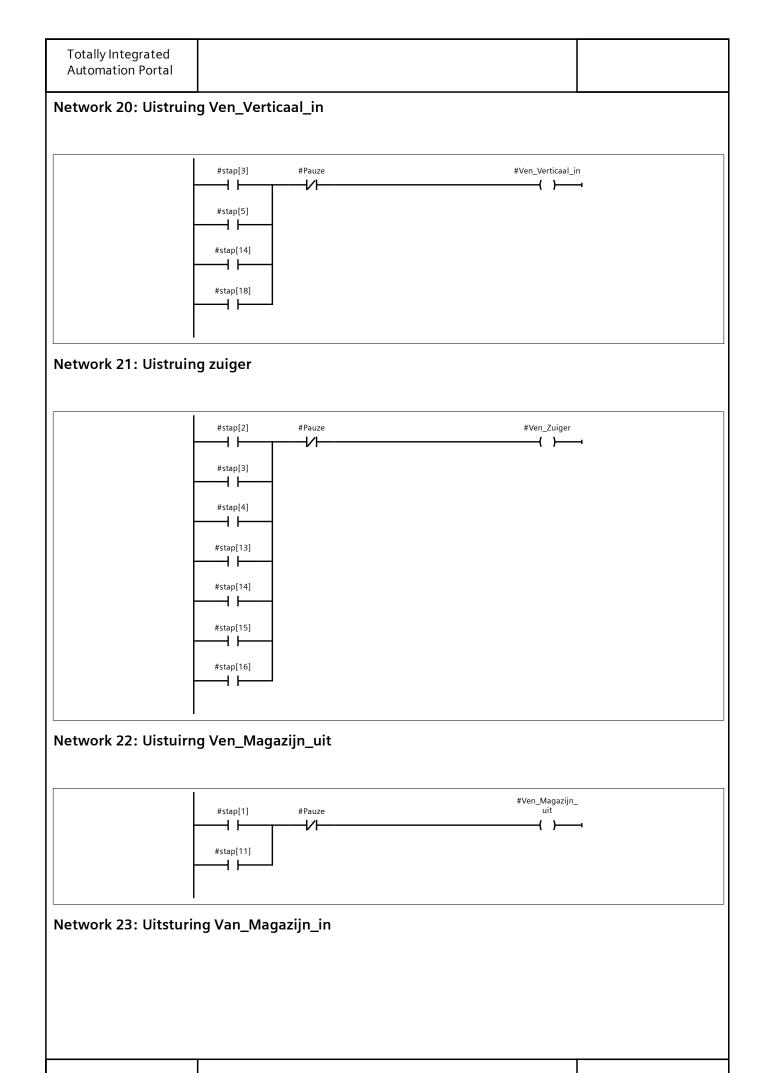
```
Totally Integrated
   Automation Portal
                                                                   "IEC_Timer_0_
DB".Q
                                                                                      #Sen_Cil_
Magazijn_in
                                                                                                          #stap[4]
                                                     #Pauze
                                  #stap[3]
                                    ┨┞
                                                                        1 H
                                                                                         \dashv \vdash
                                                                                                                 Q-
                                  #stap[5]
                                  #stap[0]
                                    Network 6: Stap 5, Ven_verticaal_in, Ven_horizontaal_in
                                                           #Sen_Cil_
Magazijn_in
                                                                            #Sen_Cil_
Horizontaal_uit
                                                                                               #Sen_Cil_
Verticaal_uit
                                                                                                                  #stap[5]
                          #stap[4]
                                            #Pauze
                                                              +
                                                                                \dashv \vdash
                                                                                                  +
                           +
                                                                                                                           Q
                          #stap[6]
                           \dashv \vdash
                          #stap[0]
                           <del>|</del> | |
Network 7: Stap 6, puls dat blokje op de band geleverd is
                                                                     #Sen_Cil_
Verticaal_in
                                                                                                         #stap[6]
                                                                                     #Ven_
Horizontaal_in
                                  #stap[5]
                                                                                                            SR
                                                                        <del>|</del> | |-
                                                                                          ⊣ ⊢
                                    #stap[0]
                                    \dashv \vdash
Network 8: Stap 11, Ven_Magazijn_uit, counter magazijn -1
```

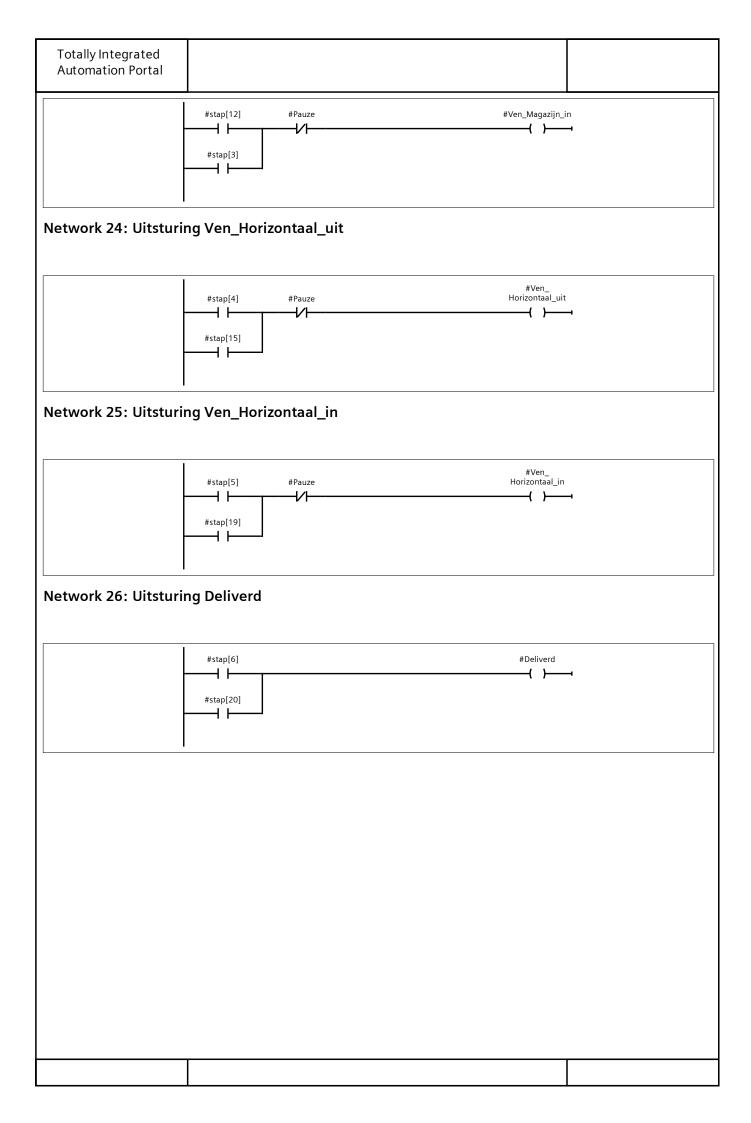


```
Totally Integrated
  Automation Portal
Network 11: stap 15, ven_verticaal_in, zuiger
                                               #Start_Knop_
manual
                                                                                  #stap[14]
                                                               #Sensor_zuiger
                                 #stap[13]
                                                                                    SR
                                   +
                                                   4 H
                                                                    <del>//</del>}
                                                                                         Q
                                 #stap[15]
                                   \dashv \vdash
                                 #stap[0]
                                   +
Network 12: Stap 15, Ven_horizontaal_uit, zuiger
                                                                #Sen_Cil_
Verticaal_in
                                                                                  #stap[15]
                                                #Start_Knop_
                                 #stap[14]
                                                                                    SR
                                   \dashv \vdash
                                 #stap[16]
                                   #stap[0]
                                   +
Network 13: Stap 16, Ven_Verticaal_uit, zuiger
                                                                                 #stap[16]
                                                               #Sen_Cil_
Horizontaal_uit
                                                #Start_Knop_
                                 #stap[15]
                                                  manual
                                                                                    SR
                                  \dashv \vdash
                                 #stap[17]
                                   +
                                 #stap[0]
                                   4 F
Network 14: Stap 17, zuiger gaat uit
                                                                #Sen_Cil_
Verticaal_uit
                                                                                 #stap[17]
                                                #Start_Knop_
                                 #stap[16]
                                                  manual
                                   ┨┞
                                 #stap[18]
                                   -| |-
                                 #stap[0]
Network 15: Stap 18, Ven_veticaal_in
```









|--|

BrengNaar_2 [FB9]

BrengNaar_2	Properties				
General					
Name	BrengNaar_2	Number	9	Туре	FB
Language	SCL	Numbering	Automatic		
Information					
Title		Author		Comment	
Family		Version	0.1	User-defined ID	

ime	Data type	Default value	Retain	Acces- sible from HMI/OP C UA	ta- ble fro	Visible in HMI engi- neer- ing		Comment
Input					O/ t			
Camera_Goedge- keurd	Bool	false	Non-retain	False	Fals e	False	False	
Sensor_Metaal	Bool	false	Non-retain	False	Fals e	False	False	
done	Bool	false	Non-retain	True	Tru e	True	False	
Under Camera	Bool	false	Non-retain	True	Tru e	True	False	
ready	Bool	false	Non-retain	True	Tru e	True	False	
aan	Bool	false	Non-retain	True	Tru e	True	False	
reset	Bool	false	Non-retain	True	Tru e	True	False	
Output								
InOut								
Static								
▼ Bak	Array[03] of Bool		Non-retain	True	Tru e	True	False	
Bak[0]	Bool	false	Non-retain	True	Tru e	True	False	
Bak[1]	Bool	false	Non-retain	True	Tru e	True	False	
Bak[2]	Bool	false	Non-retain	True	Tru e	True	False	
Bak[3]	Bool	false	Non-retain	True	_	True	False	
timerON	Bool	false	Non-retain	True	_	True	False	
TimerDone	Bool	false	Non-retain	True	Tru e	True	False	
i	Int	0	Non-retain	True	_	True	False	
Delay_camera	Time	T#0ms	Non-retain	True	_	True	False	

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Name	Data type	Default value	Retain	from HMI/OP	ta- ble	in HMI engi- neer- ing		Comment
et	Time	T#0ms	Non-retain	True	Tru e	True	False	
Temp								
▼ Constant								
Tacho_Camera	Int	5						

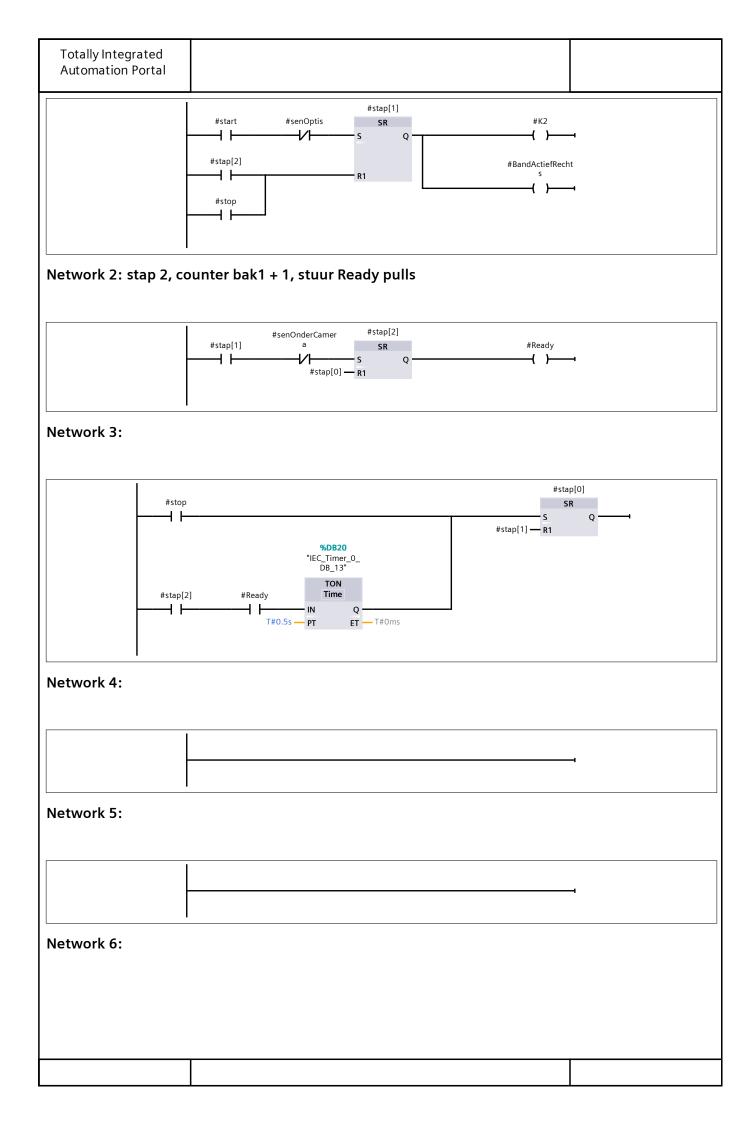
```
0001
0002 IF #done = TRUE THEN
0003 FOR #i := 1 TO 3 DO
0004
        #Bak[#i] := FALSE;
0005 END FOR;
0006 END IF;
0007 IF #ready = TRUE OR #Bak[1] = TRUE OR #Bak[2] = TRUE OR #Bak[3] = TRUE THEN
8000
     #Bak[0] := FALSE;
0009 END IF;
0010 IF #reset = TRUE THEN
0011 FOR #i := 0 TO 3 DO
        #Bak[#i] := FALSE;
0012
0013
     END FOR;
0014 END IF;
0015 IF #aan = TRUE AND #reset = FALSE THEN
     IF #UnderCamera = TRUE AND #ready = TRUE THEN
0016
       IF #Camera Goedgekeurd = TRUE THEN
0017
0018
          "Status Camera HMI" := 1;
0019
          IF "Status Sensor Inductief HMI" = 1 THEN
            #Bak["Bak metaal"] := TRUE;
0020
0021
          END IF;
          IF "Status Sensor_Inductief_HMI" = 2 THEN
0022
0023
            #Bak["Bak plastic"] := TRUE;
0024
          END IF;
       END IF;
0025
0026
       IF #Camera Goedgekeurd = FALSE AND "Status Camera HMI" = 0 THEN
          "Status Camera HMI" := 2;
0027
          #Bak["Bak foutief"] := TRUE;
0028
0029
       END IF;
0030
      ELSE
0031
      IF #Sensor Metaal = TRUE THEN
0032
         IF "Controleer Metaal" = TRUE THEN
0033
            #Bak[0] := TRUE;
0034
          ELSE
0035
            #Bak["Bak metaal"] := TRUE;
0036
          END IF;
0037
       ELSE
          IF #Sensor Metaal = FALSE AND "Status Sensor Inductief HMI" = 2 THEN
0038
0039
          IF "Controleer Plastic" = TRUE THEN
            #Bak[0] := TRUE;
0040
0041
0042
            #Bak["Bak plastic"] := TRUE;
0043
          END IF;
        END IF;
0044
0045
        END IF;
```

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```
0046 END_IF;
0047 END_IF;
0048
0049
```

Symbol	Address	Туре	Comment
"Bak_foutief"	%MW32	Int	
"Bak_metaal"	%MW28	Int	
"Bak_plastic"	%MW30	Int	
"Controleer_Metaal"	%M0.0	Bool	
"Controleer_Plastic"	%M0.1	Bool	
"Status_Camera_HMI"	%MW40	Int	
"Status_Sensor_Induc- tief_HMI"	%MW38	Int	
#aan		Bool	
#Bak[0]		Bool	
#Bak[1]		Bool	
#Bak[2]		Bool	
#Bak[3]		Bool	
#Bak[*]		Bool	
#Camera_Goedgekeurd		Bool	
#done		Bool	
#i		Int	
#ready		Bool	
#reset		Bool	
#Sensor_Metaal		Bool	
#UnderCamera		Bool	

Totally Integ Automation												
rogram												
N_Camer	a [FB6]										
N_Camera Pro ieneral	perties											
lame	BN_Came	era		Number	6				Type		FB	
anguage	LAD			Numbering	Α	utomatic						
nformation												
itle				Author					Comm			
amily				Version	0	.1			User-de ID	efined		
lame		Data type	Defa	ult value	Ret	ain	Acces- sible from HMI/OP C UA	ta- ble fro	in HMI engi-			Comment
✓ Input												
start		Bool	false		Nor	n-retain	True	Tru e	True	False		
stop		Bool	false		Nor	n-retain	True	е		False		
senOptis		Bool	false			n-retain		e		False		
	rCamera	Bool	false		Nor	n-retain	True	Tru e	True	False		
Output												
InOut												
▼ Static												
▼ stap		Array[02] of Bool				n-retain	True	е		False		
stap[0			false			n-retain		е		False		
stap[1		Bool	false			n-retain	True	e		False		
stap[2	(.]	Bool	false		INOI	n-retain	True	e e	True	False		
K1		Bool	false		Nor	n-retain	True	е		False		
K2		Bool	false			n-retain	True	e		False		
BandActi	efRechts	Bool	false		Nor	n-retain	True	Tru e	True	False		
Ready		Bool	false		Nor	n-retain	True	Tru e	True	False		
Temp												
Constant												
#Positie_ era_Tach tor	Cam- ogenera-	Int	5									



Totally Integrated Automation Portal	
	•

BN_Bak2 [FB8]

BN_Bak2 Prop	perties				
General					
Name	BN_Bak2	Number	8	Туре	FB
Language	LAD	Numbering	Automatic		
Information					
Title		Author		Comment	
Family		Version	0.1	User-defined ID	

Name	Data type	Default value	Retain	Accessible from HMI/OP C UA	ta- ble fro	in HMI engi-		Super- vision	Comment
▼ Input									
start	Bool	false	Non-retain	True	Tru e	True	False		
stop	Bool	false	Non-retain	True	Tru e	True	False		
senOptis	Bool	false	Non-retain	True	Tru e	True	False		
sen Onder Camera	Bool	false	Non-retain	True	Tru e	True	False		
Output									
InOut									
▼ Static									
▼ stap	Array[03] of Bool		Non-retain	True	Tru e	True	False		
stap[0]	Bool	false	Non-retain	True	Tru e	True	False		
stap[1]	Bool	false	Non-retain	True	Tru e	True	False		
stap[2]	Bool	false	Non-retain	True	Tru e	True	False		
stap[3]	Bool	false	Non-retain	True	Tru e	True	False		
K1	Bool	false	Non-retain	True	Tru e	True	False		
K2	Bool	false	Non-retain	True	Tru e	True	False		
BandActiefRechts		false	Non-retain	True	Tru e	True	False		
Done	Bool	false	Non-retain	True	Tru e	True	False		
р	Bool	false	Non-retain	True	Tru e	True	False		
Blazer	Bool	false	Non-retain	True	Tru e	True	False		
Temp									
▼ Constant									
	1		-					1	

Totally Integrated Automation Portal									
Name	Data type	Default value	Retain	sible from HMI/OP C UA	ta- ble fro	Visible in HMI engi- neer- ing		Super- vision	Comment
Positie_Blazer_Ta- choGenerator	Int	7							
Network 1: Stap 1,	Draai bar	nd Rechts							
	#start	#senOptis	#stap[1]			#Band <i>i</i>	ActiefRech	t -	
	#stop								

Network 2: stap 2, Blazer aan

Network 3: Stap 3, counter bak 2 + 1, stuur done pulls

```
ADD
Auto (Int)
                                     #stap[3]
#stap[2]
                  #senOptis
                                                       #stap[3]
                                                         -| ₽ |-
                                                                                                  ENO
                       #stap[0] — R1
                                                                                                  OUT — "Counter_Bak2"
                                                                               %MW24
                                                                         "Counter_Bak2" — IN1
                                                                                     1 — IN2 👍
                                                                           %DB15
                                                                       "IEC_Timer_0_
DB_5"
                                                                                             #Done
                                                                                  Q·
                                                                                 ET — T#0ms
                                                              T#0.5s — PT
```

Totally Integrated Automation Portal		
Network 4:		
	#stap[0] #stop SR S Q #stap[3] #Done Hone	
Network 5:		
-	#stap[1] #K2 #stap[2]	
Network 6:		

Illy Integrated	
mation Portal	
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Aansturing motor [FB4]

Aansturing motor Properties										
General										
Name	Aansturing motor	Number	4	Type	FB					
Language	SCL	Numbering	Automatic							
Information										
Title		Author		Comment						
Family		Version	0.1	User-defined ID						

Name	Data type	Default value	Retain	Accessible from HMI/OF C UA	ta- ble fro	Visible in HMI engi- neer- ing		Super- vision	Comment
✓ Input									
band_rechts	Bool	false	Non-retain	True	Tru e	True	False		
Output									
PWM	Bool	false	Non-retain	True	Tru e	True	False		
InOut									
▼ Static									
snelheid	Int	3	Non-retain	True	Tru e	True	False		
counter	Int	0	Non-retain	True	Tru e	True	False		
Temp									
Constant									

```
0001 IF #band_rechts = FALSE THEN
0002  #PWM := FALSE;
0003
     #counter := 0;
0004 ELSE
0005
     IF #band rechts = TRUE AND #PWM = TRUE AND #snelheid > 0 THEN
0006
         #PWM := FALSE;
0007
      ELSE
0008
       IF #band rechts = TRUE AND #PWM = FALSE AND #snelheid = 1 THEN
         #PWM := TRUE;
0009
0010
          #counter := 0;
0011
        END IF;
0012
        IF #band rechts = TRUE AND #PWM = FALSE AND #snelheid = 2 AND #counter > 1
     THEN
0013
          #PWM := TRUE;
0014
          #counter := 0;
0015
       END IF;
0016
        IF #band rechts = TRUE AND #PWM = FALSE AND #snelheid = 3 AND #counter > 2
      THEN
0017
           #PWM := TRUE;
0018
           #counter := 0;
0019
         END_IF;
```

Totally Integrated Automation Portal

```
0020
        IF #band rechts = TRUE AND #PWM = FALSE AND #snelheid = 4 AND #counter > 3
     THEN
0021
          #PWM := TRUE;
0022
          #counter := 0;
0023 END_IF;
0024 IF #band_rechts = TRUE AND #snelheid = 5 THEN
0025
          #PWM := TRUE;
0026
          #counter := 0;
      END_IF;
0027
0028 END IF;
0029 #counter := #counter + 1;
0030 END_IF;
0031
0032
0033
0034
```

Symbol	Address	Туре	Comment
#band_rechts		Bool	
#counter		Int	
#PWM		Bool	
#snelheid		Int	

master [FB1]

master Properties											
General											
Name	master	Number	1	Туре	FB						
Language	LAD	Numbering	Automatic								
Information											
Title	Master functie	Author		Comment							
Family		Version	0.1	User-defined ID							

ne	Data type	Default value	Retain	Acces- sible from HMI/OP C UA	ta- ble fro	ing		- Comment
Input								
start	Bool	false	Non-retain	True	Tru e	True	False	
stop	Bool	false	Non-retain	True	Tru e	True	False	
Cil_horizontaal_in	Bool	false	Non-retain	True	Tru e	True	False	
Cil_horizon- taal_uit	Bool	false	Non-retain	True	Tru e	True	False	
Cil_verticaal_in	Bool	false	Non-retain	True	Tru e	True	False	
Cil_verticaal_uit		false	Non-retain	True	Tru e	True	False	
Cil_Magazijn_in		false	Non-retain	True	e		False	
Cil_Magazijn_uit		false	Non-retain	True	Tru e		False	
Pauze	Bool	false	Non-retain	True	Tru e	True	False	
Sensor_op- tis_band	Bool	false	Non-retain	True	Tru e	True	False	
Reset	Bool	false	Non-retain	True	Tru e	True	False	
Sensor_op- tis_magazijn	Bool	false	Non-retain	True	Tru e	True	False	
Camera_goedge- keurd	Bool	false	Non-retain	True	Tru e	True	False	
Sensor_induc- tief_tacho	Bool	false	Non-retain	True	Tru e	True	False	
Sensor_induc- tief_materiaal	Int	0	Non-retain	True	Tru e	True	False	
Sensor_zuiger	Bool	false	Non-retain	True	Tru e	True	False	
Output								
Band_K1	Bool	false	Non-retain	True	Tru e	True	False	

Totally Integrated Automation Portal								
ame	Data type	Default value	Retain		ta- ble	Visible in HMI engi- neer- ing		Comment
Band_K2	Bool	false	Non-retain	True	Tru e	True	False	
Blazer	Bool	false	Non-retain	True	Tru e	True	False	
Zuiger	Bool	false	Non-retain	True	Tru e	True	False	
Ven_horizon- taal_in	Bool	false	Non-retain	True	Tru e	True	False	
Ven_Verticaal_in	Bool	false	Non-retain	True	Tru e	True	False	
Ven_Magazijn_in	Bool	false	Non-retain	True	Tru e	True	False	
Ven_horizon- taal_uit	Bool	false	Non-retain	True	Tru e	True	False	
Ven_verticaal_uit	Bool	false	Non-retain	True	Tru e	True	False	
Ven_Magazijn_uit	Bool	false	Non-retain	True	Tru e	True	False	
InOut ✓ Static								
▼ stap	Ar- ray[013] of Bool		Non-retain	False	Fals e	False	False	
stap[0]	Bool	false	Non-retain	False	Fals e	False	False	
stap[1]	Bool	false	Non-retain	False		False	False	
stap[2]	Bool	false	Non-retain	False		False	False	
stap[3]	Bool	false	Non-retain	False	_	False	False	
stap[4]	Bool	false	Non-retain	False		False	False	
stap[5]	Bool	false	Non-retain	False	Fals e	False	False	
stap[6]	Bool	false	Non-retain	False		False	False	
stap[7]	Bool	false	Non-retain	False		False	False	
stap[8]	Bool	false	Non-retain	False		False	False	
stap[9]	Bool	false	Non-retain	False		False	False	
stap[10]	Bool	false	Non-retain	False	_	False	False	
stap[11]	Bool	false	Non-retain	False	Fals e	False	False	
stap[12]	Bool	false	Non-retain	False	Fals e	False	False	
stap[13]	Bool	false	Non-retain	False		False	False	

e

Totally Integrated Automation Portal									
ame	Data type	Default value	Retain	Acces- sible from HMI/OP C UA	ta- ble fro	engi-		Super- vision	Comment
Metaal	Bool	false	Non-retain	True	Tru e	True	False		
Reset_Done	Bool	false	Non-retain	False	Fals e	False	False		
Gepauzeerd	Bool	false	Non-retain	False	Fals e	False	False		
Reset_Needed	Bool	false	Non-retain	False	Fals e	False	False		
Ready	Bool	false	Non-retain	False	Fals e	False	False		
BandActiefRechts	Bool	false	Non-retain	False	Fals e	False	False		
BandActiefLinks	Bool	false	Non-retain	False	Fals e	False	False		
Delivered	Bool	false	Non-retain	True	Tru e	True	False		
Done	Bool	false	Non-retain	False	Fals e	False	False		
Probleem_Over- Write	Bool	false	Non-retain	True		True	False		
Probleem	Bool	false	Non-retain	True	Tru e	True	False		
start_HMI	Bool	false	Non-retain	True	Tru e	True	False		
stop_HMI	Bool	false	Non-retain	True		True	False		
reset_HMI	Bool	false	Non-retain	True	Tru e	True	False		
pauze_HMI	Bool	false	Non-retain	True	Tru e	True	False		
Flank	Bool	false	Non-retain	True		True	False		
SetDefaultSet- tings	Bool	false	Non-retain	True		True	False		
ApplySettings	Bool	false	Non-retain	True	Tru e	True	False		
▼ error	Ar- ray[010] of Bool		Non-retain	True	Tru e	True	False		
error[0]	Bool	false	Non-retain	True	Tru e	True	False		
error[1]	Bool	false	Non-retain	True	Tru e	True	False		
error[2]	Bool	false	Non-retain	True	Tru e	True	False		
error[3]	Bool	false	Non-retain	True		True	False		
error[4]	Bool	false	Non-retain	True		True	False		
error[5]	Bool	false	Non-retain	True		True	False		

Non-retain

True

Tru True

e

False

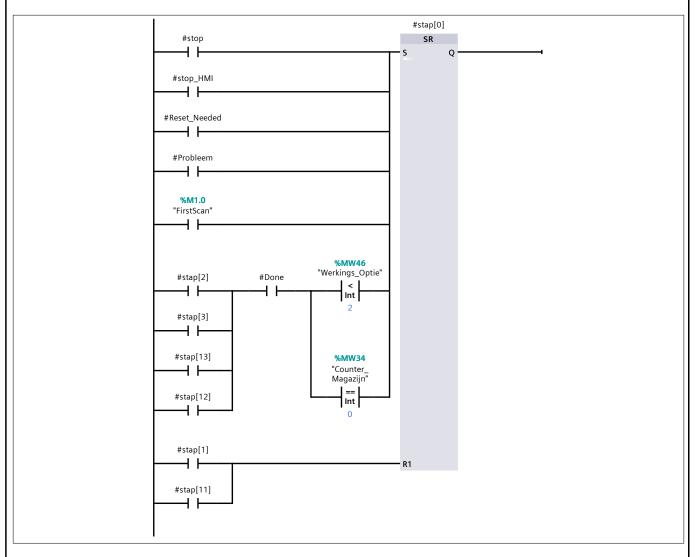
error[6]

Bool

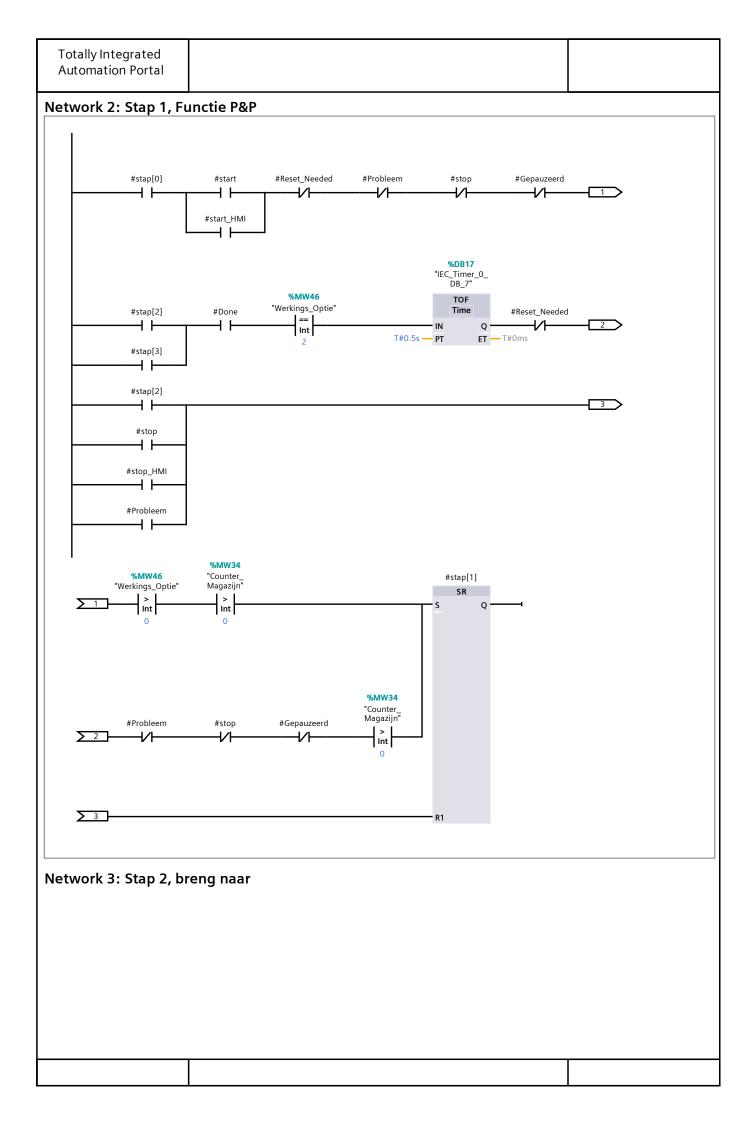
false

Totally Integrated Automation Portal									
Name	Data type	Default value	Retain	Acces- sible from HMI/OP C UA	ta- ble fro	Visible in HMI engi- neer- ing		Super- vision	Comment
error[7]	Bool	false	Non-retain	True	Tru e	True	False		
error[8]	Bool	false	Non-retain	True	Tru e	True	False		
error[9]	Bool	false	Non-retain	True	Tru e	True	False		
error[10]	Bool	false	Non-retain	True	Tru e	True	False		
Temp									
Constant									

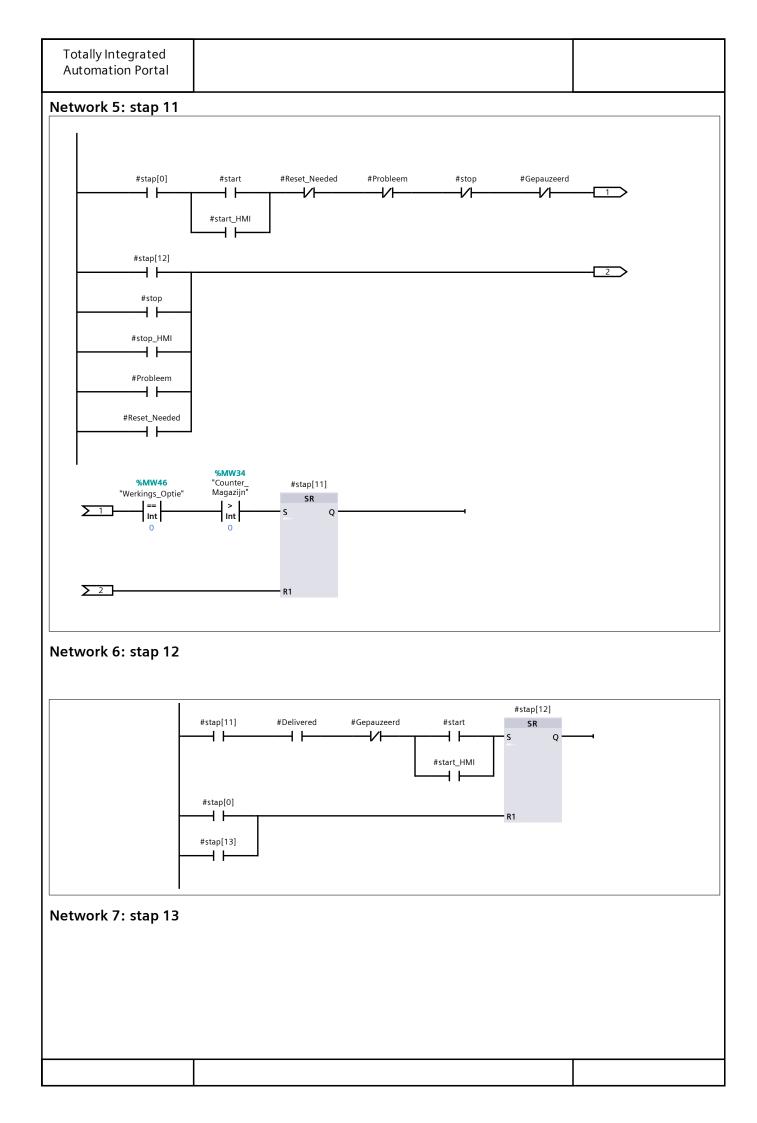
Network 1: Stap 0, Rust



Network 2: Stap 1, Functie P&P

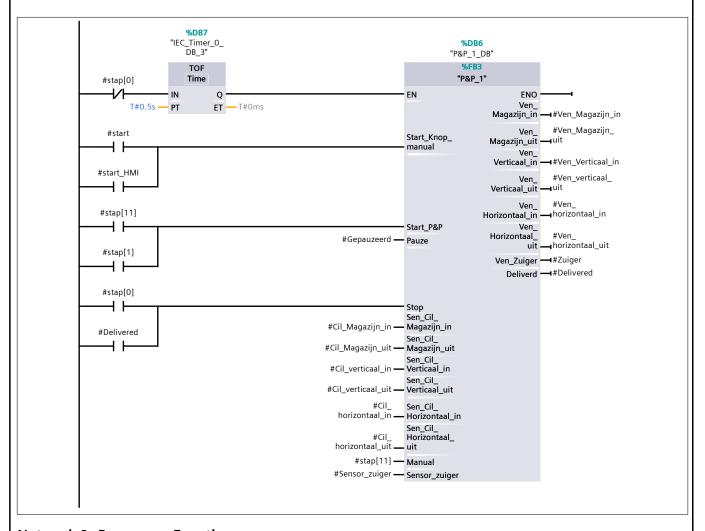


```
Totally Integrated
  Automation Portal
                                                                            #stap[2]
                               #stap[1]
                                             #Delivered
                                                           #Gepauzeerd
                                -1 |-
                                               \dashv \vdash
                                                               -//⊢
                                                                                  Q-
                               #stap[3]
                               #stap[0]
                                \dashv \vdash
                               #Done
                                \dashv \vdash
Network 4: Stap 3, Zet de status camera op foutief op HMI, Breng naar juiste bak voor foutief
                                                                            #stap[3]
                               #stap[2]
                                              #Ready
                                                           #Gepauzeerd
                                                                              SR
                               #stap[0]
                                #stap[1]
                                Network 5: stap 11
```



Totally Integrated Automation Portal #stap[13] #stap[12] #Ready #Gepauzeerd #start SR + \dashv \vdash //} 1 H Q· #start_HMI \dashv \vdash #stap[0] +

Network 8: P&P functie



Network 9: Brengnaar Functie

Totally Integrated
Automation Portal

**DB14

*BrengNaar_2_
DB**

**FB9

BrengNaar_2

```
"BrengNaar_2"
                                                                                                                                    ENO
                                                                                     #Camera_ Camera_ goedgekeurd — Goedgekeurd
                                                                                          #Metaal — Sensor_Metaal
                                                                                           #Done — done
                                       %DB19
"IEC_Timer_0_
DB_9"
                                            TON
                                           Time
#stap[3]
  \dashv \vdash
                                       · IN
                                                   Q·
                                                                                                      UnderCamera
                              T#1S — PT
                                                                                           #Ready — ready
                                                  ET — T#0ms
#stap[13]
  \dashv \vdash
#stap[2]
  +
                                                                                         #stap[0] — reset
#stap[3]
  ┨┞
#stap[13]
  \dashv \vdash
#stap[12]
  + +
```

Network 10:

```
#Start_HMI #Sensor_optis_band senOptis

#MW46
"Werkings_Optie"

| WDB10
"BN_Bak1_D8"

#FB5
"BN_Bak1"

EN ENO

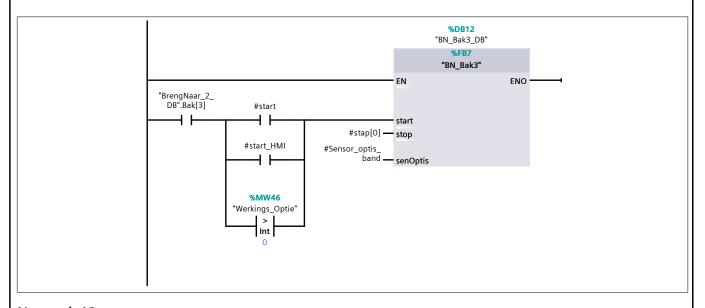
start

#start_HMI #Sensor_optis_band senOptis
```

Network 11:

Totally Integrated Automation Portal **%DB11**"BN_Bak2_DB" "BN_Bak2" ENO -EN "BrengNaar_2_ DB".Bak[2] #start #stap[0] — stop #Sensor_optis_ band — senOptis #start_HMI | | |-#Sensor_optis_ senOnderCame ra %MW46 "Werkings_Optie" | > |nt

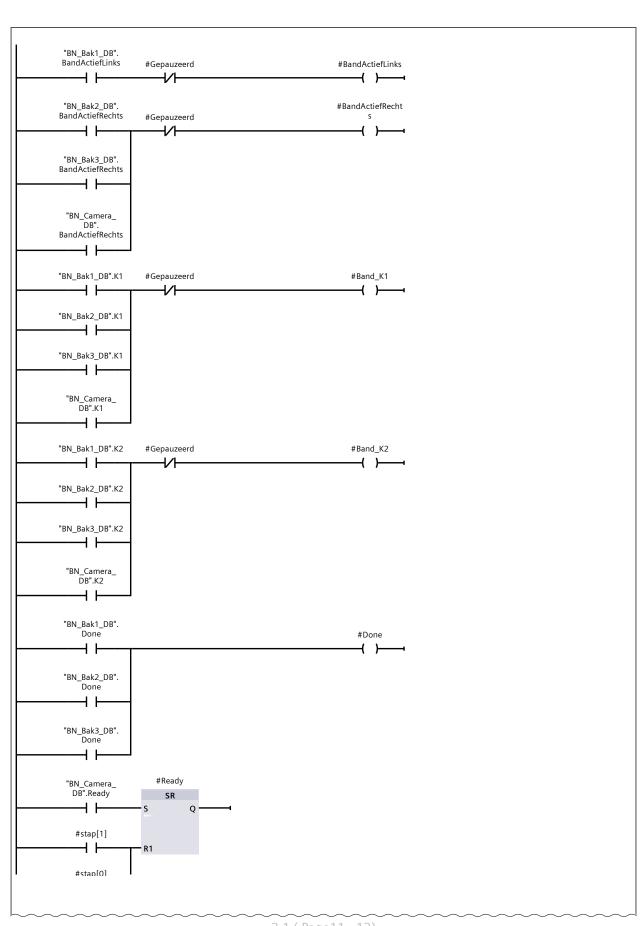
Network 12:



Network 13:

Totally Integrated Automation Portal **%DB13**"BN_Camera_DB" "BN_Camera" ENO -EN "BrengNaar_2_ DB".Bak[0] #start **-**| |-#stap[0] — stop #Sensor_optis_ band — senOptis #start_HMI | | | #Sensor_optis_ magazijn — senOnderCame ra %MW46 "Werkings_Optie" | > | |Int Network 14: Uitgangen BrengNaar

Network 14: Uitgangen BrengNaar (1.1 / 2.1)

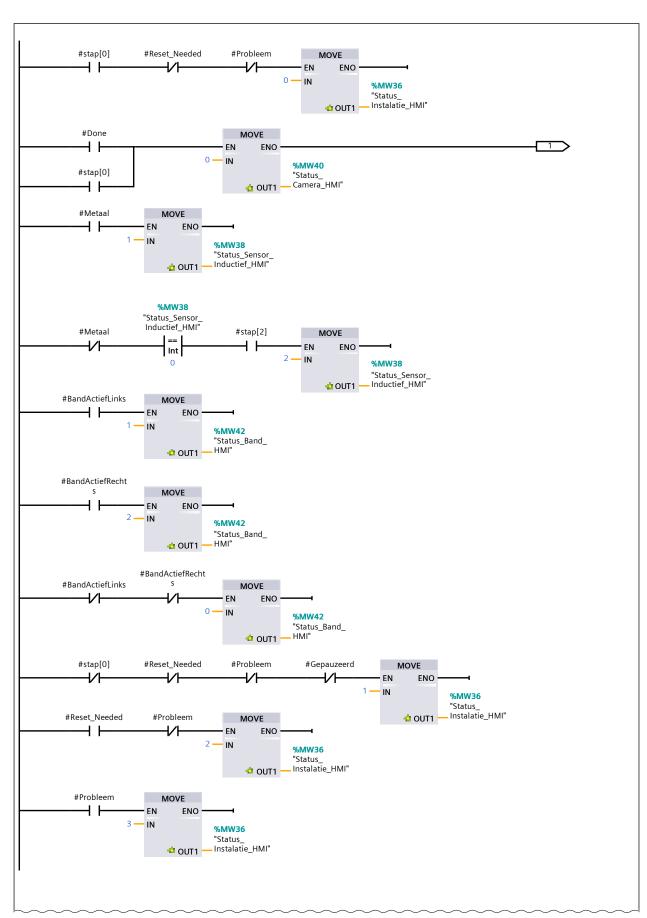


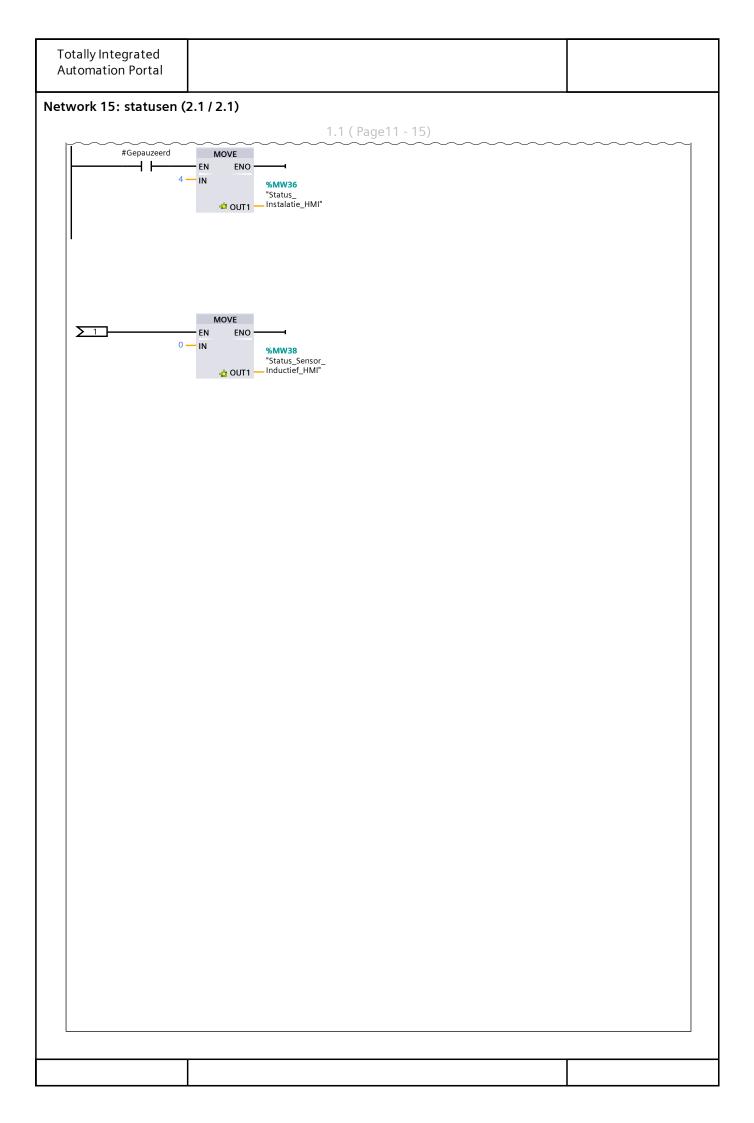
utomation Portal			
work 14: Uitgangen BrengNaar (2.1/			
#2/ah[n]	1.1 (Page11 - 12)	~~~~~	~~~~
"BN_Bak2_DB". Blazer	#Blazer		
	. ,		

	_	
Totally Integrated Automation Portal		
Network 15: statuser	1	

ı

Network 15: statusen (1.1 / 2.1)







Network 16: Pauze

```
#Gepauzeerd
  #Pauze
                            SR
    +
                                   Q ·
#pauze_HMI
   \dashv \vdash
   #start
   \dashv \vdash
#stop_HMI
   \dashv \vdash
#start_HMI
  \dashv \vdash
   #stop
   \dashv \vdash
  #Reset
   \dashv \vdash
#reset_HMI
    #stap[0]
   \dashv \vdash
```

Network 17: Reset Needed Checker

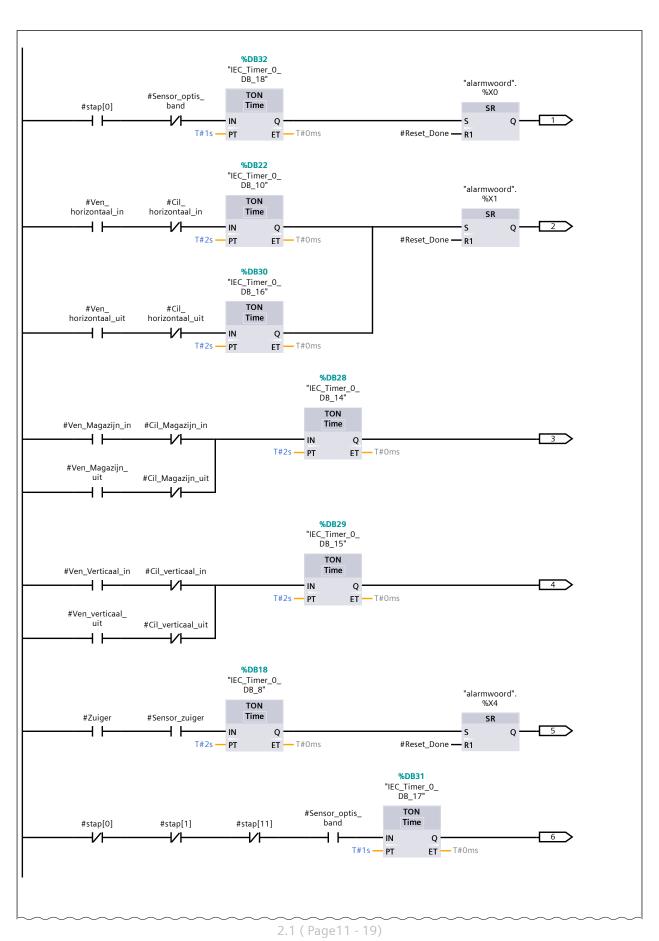
```
#Reset_Needed

#stop SR
S Q

#stop_HMI
#Probleem
#Reset_Done
R1
```

Network 18: Probleem Checker

Network 18: Probleem Checker (1.1 / 4.1)



Totally Integrated **Automation Portal** Network 18: Probleem Checker (2.1 / 4.1) 1.1 (Page11 - 18) %DB33 "IEC_Timer_0_ DB_19" "alarmwoord". %X6 TON #Sensor_optis_ band #Metaal Time SR · IN ET — T#0ms T#0.5s -PT #Reset_Done — R1 #Camera_ goedgekeurd 4 F "alarmwoord". %X7 "P&P_1_DB". "P&P_Actief" #Cil_ horizontaal_in SR Q #Reset_Done — R1 #Cil_Magazijn_in 1/} #Cil_verticaal_in -1/1-%DB4 "IEC_Timer_0_ DB_2" %MW44 "Counter_ TON Tachogenerator" #BandActiefLinks Time == Int +9 Q T#2s — **PT** ET — T#0ms 0 #BandActiefRecht 4 F "alarmwoord". %X9 %MW32 "Bak_foutief" #stap[0] SR 10 Q Int #Reset_Done — R1 %MW28 "Bak_metaal" Int 0 %MW30 "Bak_plastic" Int #Probleem #Probleem_ OverWrite **1** //|-Q S #Reset_Done - R1 3.1 (Page11 - 20)

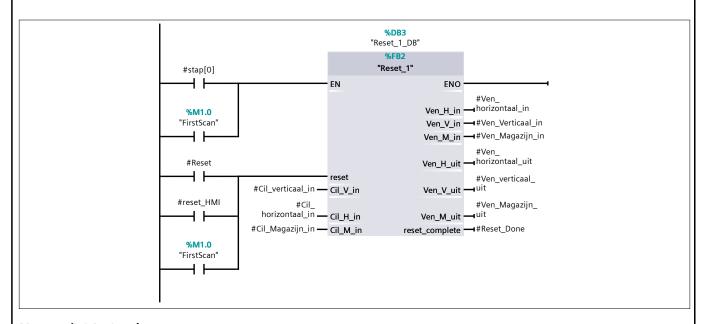
Totally Integrated Automation Portal		
Network 18: Probleem	Checker (3.1 / 4.1) 2.1 (Page11 - 19)	
	2.1 (TageTT = 19)	
> 2		
	"alarmwoord". %X2	
#Reset_Done =	sr Q —	
	"alarmwoord". %X3 SR	
#Reset_Done -	- S Q	
> 5		
	"alarmwoord". %X5 SR	
#Reset_Done -	- S Q - R1	
> 7		
	4.1 (Page11 - 21)	

Totally Integrated Automation Portal		
Network 18: Probleem	Checker (4.1 / 4.1) 3.1 (Page11 - 20)	
#Reset_Done	"alarmwoord". %X8 SR S Q	

Network 19: TachoGenerator

```
ADD
#Sensor_
inductief_tacho
                                            Auto (Int)
                    #BandActiefLinks
     \mathbf{H}_{\mathsf{P}}
                          4 H
                                          EN
                                                    ENO
    #Flank
                              %MW44
                      "Counter_
Tachogenerator" — IN1
                                                           "Counter_
— Tachogenerator"
                                    -1 — IN2 👍
                                               ADD
                    #BandActiefRecht
                                            Auto (Int)
                          4 F
                                          · EN
                                                    ENO
                                                             %MW44
                              %MW44
                      "Counter_
Tachogenerator" — IN1
                                                             "Counter_
                                                           _ Tachogenerator"
                                                  OUT -
                                     1 — IN2 👍
    #Done
                              FNO -
                    - FN
                0 — IN
                                       %MW44
                          - OUT1 — Tachogenerator"
```

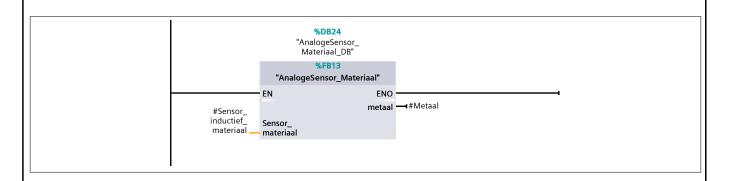
Network 20: Reset functie



Network 21: Settings manager

\dashv \vdash apply #SetDefaultSettin gs 1 default %M62.2 "ChangeMemoryS ettings_HMI" changememse ttings %M62.1 "ApplyMemorySett ings_HMI" apply memsetti| | |-%DB27 "IEC_Timer_0_ DB_12" TOF %M1.0 Time "FirstScan" ┨┝ - IN Q· ET — T#0ms T#100ms — PT

Network 22: Functie analogeSensor



Settings_Manager [FB11]

Settings_Mar	nager Properties				
General					
Name	Settings_Manager	Number	11	Туре	FB
Language	SCL	Numbering	Automatic		
Information					
Title		Author		Comment	
Family		Version	0.1	User-defined ID	

e	Data type	Default value	Retain	Acces- sible					Comment
				from HMI/OP C UA	ble fro	in HMI engi- neer- ing	point	Vision	
L					UA				
Input									
apply	Bool	false	Non-retain	True	e		False		
default	Bool	false	Non-retain	True	Tru e	True	False		
changememset- tings	Bool	false	Non-retain	True	Tru e	True	False		
applymemsettings	Bool	false	Non-retain	True	Tru e	True	False		
Output									
InOut									
Static									
delay_zuiger_hmi	Time	T#0ms	Non-retain	True	Tru e	True	False		
delay_ven- Hin_hmi	Time	T#0ms	Non-retain	True		True	False		
delay_cam- era_hmi	Time	T#0ms	Non-retain	True	Tru e	True	False		
CantApplySettings	Bool	false	Non-retain	True	Tru e	True	False		
SettingsApplied	Bool	false	Non-retain	True	Tru e	True	False		
i	Int	0	Non-retain	True	Tru e	True	False		
Temp									
Constant									
Default_Werking- soptie	Int	1							
Default_BakMe- taal	Int	1							
Default_BakPlastic	Int	2							
Default_BakFou- tief	Int	3							
Default_Delay- Zuiger	Time	t#1s							

Name	Data type	Default value	Retain	ta- ble	in HMI engi- neer- ing	Super- vision	Comment
Default_Delay- VenV_in	Time	t#2s					
Default_DelayCa- mera	Time	T#1s					
timePopupMes- sage	Int	1000					
Default_Maxwaar- demetaal	Int	24000					
Default_snelheid	Int	1					
Default_problee- mOverwrite	Bool	false					

```
0001 IF #apply = TRUE THEN
0002
     IF "master DB".stap[0] = TRUE THEN
0003
         "Bak foutief" := "Bak foutief HMI";
0004
         "Bak metaal" := "Bak metaal HMI";
         "Bak plastic" := "Bak plastic HMI";
0005
         "BrengNaar 2 DB".Delay_camera := #delay_camera_hmi;
0006
         "P&P_1_DB".Delay_VenVerticaal_in := #delay venHin hmi;
0007
8000
         "P&P 1 DB".Delay zuiger := #delay zuiger hmi;
0009
         "Controleer Metaal" := "Controleer Metaal HMI";
         "Controleer Plastic" := "Controleer Plastic HMI";
0010
         "Werkings Optie" := "Werkings Optie HMI";
0011
0012
         "AnalogeSensor Materiaal DB".maxwaarde metaal := "MaxWaardeMetaal HMI";
         "Aansturing motor DB".snelheid := "SnelheidMotor HMI";
0013
0014
         "master DB".Probleem OverWrite := "probleemoverwrite HMI";
0015
         #SettingsApplied := TRUE;
0016
      ELSE
0017
         #CantApplySettings := TRUE;
0018 END IF;
0019 END IF;
0020
0021 IF #applymemsettings = TRUE THEN
0022
      IF "master DB".stap[0] = TRUE THEN
         "Bak foutief" := "SavedSettings"."bak foutief" ;
0023
0024
         "Bak_metaal" := "SavedSettings"."bak metaal";
         "Bak plastic" := "SavedSettings"."bak plastic";
0025
0026
         "P&P 1 DB".Delay VenVerticaal in := "SavedSettings". "min tijd cil h in";
         "Controleer Metaal" := "SavedSettings"."controleer metaal";
0027
         "Controleer Plastic" := "SavedSettings"."controleer plastic";
0028
         "Werkings Optie" := "SavedSettings".werkingsoptie;
0029
0030
         "AnalogeSensor Materiaal DB".maxwaarde metaal := "SavedSettings"."trig-
     gerwaarde metaal" ;
0031
         "master DB".Probleem OverWrite := "SavedSettings"."probleem overwrite";
0032
0033
         "Bak foutief HMI" := "SavedSettings"."bak foutief";
         "Bak metaal HMI" := "SavedSettings"."bak metaal";
0034
         "Bak plastic HMI" := "SavedSettings"."bak plastic";
0035
0036
         #delay venHin hmi := "SavedSettings". "min tijd cil h in";
         "Controleer_Metaal_HMI" := "SavedSettings"."controleer metaal";
0037
0038
         "Controleer Plastic HMI" := "SavedSettings"."controleer plastic";
```

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Totally Integrated
Automation Portal
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```
0039
         "Werkings Optie HMI" := "SavedSettings".werkingsoptie;
0040
         "MaxWaardeMetaal HMI" := "SavedSettings"."triggerwaarde metaal";
0041
         "probleemoverwrite HMI" := "SavedSettings". "probleem overwrite";
0042
         #SettingsApplied := TRUE;
0043
     ELSE
0044
         #CantApplySettings := TRUE;
0045
     END IF;
0046 END_IF;
0047
0048 IF #default = TRUE THEN
0049
      "Bak foutief HMI" := #Default BakFoutief;
       "Bak foutief" := #Default_BakFoutief;
0050
0051
       "Bak metaal HMI" := #Default BakMetaal;
       "Bak_metaal" := #Default_BakMetaal;
0052
0053
       "Bak plastic HMI" := #Default BakPlastic;
0054
       "Bak plastic" := #Default BakPlastic;
0055
       #delay camera hmi := #Default DelayCamera;
0056
       "BrengNaar 2 DB".Delay camera := #Default DelayCamera;
0057
       #delay venHin hmi := #Default DelayVenV in;
0058
       "P&P 1 DB".Delay VenVerticaal in := #Default DelayVenV in;
0059
       #delay zuiger hmi := #Default DelayZuiger;
0060
       "P&P_1_DB".Delay_zuiger := #Default_DelayZuiger;
0061
       "Controleer_Metaal_HMI" := TRUE;
       "Controleer Metaal" := TRUE;
0062
0063
       "Controleer Plastic HMI" := TRUE;
0064
       "Controleer Plastic" := TRUE;
       "Werkings Optie HMI" := #Default Werkingsoptie;
0065
       "Werkings_Optie" := #Default_Werkingsoptie;
"MaxWaardeMetaal_HMI" := #Default_Maxwaardemetaal;
0066
0067
0068
       "AnalogeSensor_Materiaal_DB".maxwaarde_metaal := #Default_Maxwaardemetaal;
0069
       "Aansturing motor DB".snelheid := #Default snelheid;
      "master DB".Probleem_OverWrite := #Default_probleemOverwrite;
0070
      "probleemoverwrite HMI" := FALSE;
0071
0072
       "master_DB".Probleem_OverWrite := FALSE;
0073
       #SettingsApplied := TRUE;
0074 END IF;
0075
0076 IF #changememsettings = TRUE THEN
0077
      "SavedSettings"."bak foutief" := "Bak foutief HMI";
       "SavedSettings"."bak metaal" := "Bak metaal HMI";
0078
      "SavedSettings"."bak plastic" := "Bak_plastic_HMI";
0079
      "SavedSettings". "min tijd cil h in" := #delay venHin hmi;
0800
      "SavedSettings"."controleer metaal" := "Controleer Metaal HMI";
0081
0082
      "SavedSettings"."controleer plastic" := "Controleer Plastic HMI";
0083
       "SavedSettings".werkingsoptie := "Werkings Optie HMI";
      "SavedSettings"."triggerwaarde metaal" := "MaxWaardeMetaal HMI";
0084
       "SavedSettings". "probleem overwrite" := "probleemoverwrite HMI";
0085
0086
      "MemorySettingsUpdated" := TRUE;
0087 END IF;
0088
0089
     IF #SettingsApplied = TRUE OR #CantApplySettings = TRUE OR "MemorySetting-
     sUpdated" = TRUE THEN
0090 #i := #i + 1;
0091 END IF;
0092
0093 IF #i = #timePopupMessage THEN
0094
       #i := 0;
0095
       #SettingsApplied := FALSE;
0096
       #CantApplySettings := FALSE;
```

```
0097 "MemorySettingsUpdated" := FALSE;

0098 END_IF;

0099

0100

0101

0102

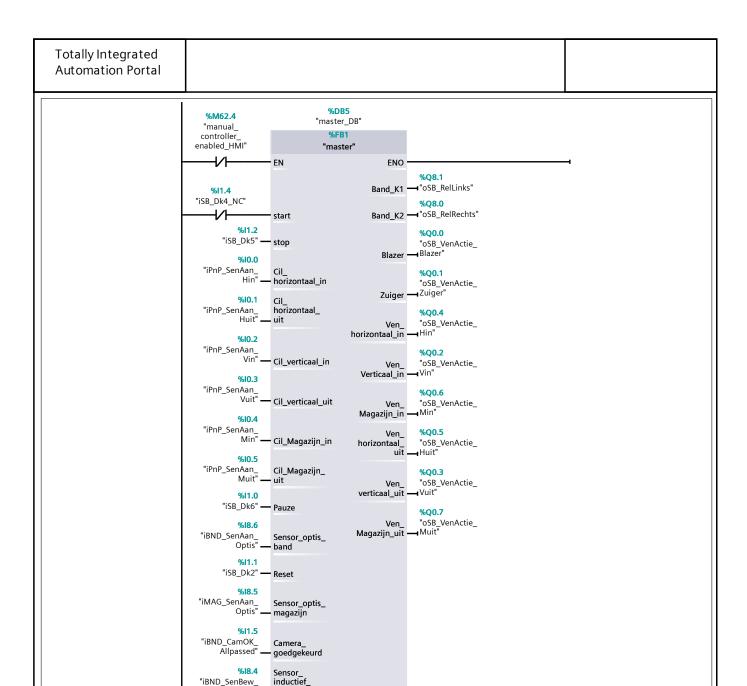
0103

0104
```

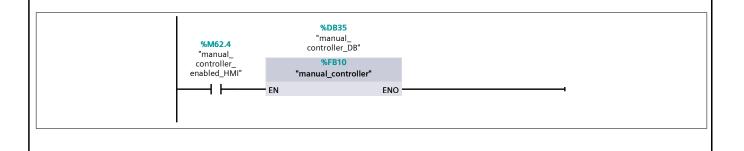
Symbol	Address	Туре	Comment
'Aansturing mo- tor_DB".snelheid		Int	
'Analoge Sensor_Materi- aal_DB".max- waarde_metaal		Int	
'Bak_foutief"	%MW32	Int	
Bak_foutief_HMI"	%MW52	Int	
Bak_metaal"	%MW28	Int	
Bak_metaal_HMI"	%MW48	Int	
Bak_plastic"	%MW30	Int	
Bak_plastic_HMI"	%MW50	Int	
BrengNaar_2_DB".De- ay_camera		Time	
Controleer_Metaal"	%M0.0	Bool	
Controleer_Meta- al_HMI"	%M0.2	Bool	
 Controleer_Plastic"	%M0.1	Bool	
 Controleer_Plastic_HMI"	%M0.3	Bool	
master_DB".Pro-		Bool	
oleem_OverWrite			
master_DB".stap[0]		Bool	
MaxWaardeMe- aal_HMI"	%MW56	Int	
'Memory Settings Upda- ted"	%M62.3	Bool	
'P&P_1_DB".Delay_Ven- Verticaal_in		Time	
'P&P_1_DB".Delay_zuig- er		Time	
'probleemover- write_HMI"	%M62.0	Bool	
'SavedSettings"."bak foutief"		Int	
SavedSettings"."bak netaal"		Int	
SavedSettings"."bak olastic"		Int	
SavedSettings"."controleer metaal"		Bool	
SavedSettings"."controleer plastic"		Bool	
SavedSettings"."min tijd til h in"		Time	
SavedSettings"."pro- pleem overwrite"		Bool	
SavedSettings"."trigger- waarde metaal"		Int	
SavedSettings".werking- coptie		Int	
SnelheidMotor_HMI"	%MW58	Int	
"Werkings_Optie"	%MW46	Int	

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ymbol	Address	Type	Comment	
Werkings_Optie_HMI"	%MW54	Int		
apply		Bool		
applymemsettings		Bool		
CantApplySettings		Bool		
changememsettings		Bool		
default		Bool		
Default_BakFoutief	3	Int		
Default_BakMetaal	1	Int		
Default_BakPlastic	2	Int		
 Default_DelayCamera	T#1s	Time		
	t#2s	Time		
 Default_DelayZuiger	t#1s	Time		
Default_Maxwaarde- netaal	24000	Int		
Default_probleemOver- vrite	- false	Bool		
Default_snelheid	1	Int		
Default_Werkingsoptie	1	Int		
delay_camera_hmi		Time		
delay_venHin_hmi		Time		
delay_zuiger_hmi		Time		
i		Int		
SettingsApplied		Bool		

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Totally Inte	egrated .							
Automatio	on Portal							
Program	1 blocks							
Main [OB	11							
iviaiii [Ob	, ,]							
Main Propert	ies							
General								
Name	Main		Numb	er	1		Туре	OB
Language	LAD		Numb	ering	Automatic			
Information		_						
Title	"Main Progr (Cycle)"	am Sweep	Autho	r			Comment	
Family	(Cycle)		Versio	n	0.1		User-defined	
				••			ID	
Name		Data		D-f	la value	C =		
Name Temp		Data ty	ype	ретаи	lt value	Comm	iefit	
Constant								
Network 1:	•							
								l
							Ţ	



Network 2:



Tacho" •

%IW64

%I8.3 "iSB_SenDruk_

"iBND_SenAan_ Inductief" tacho

Sensor_ inductief_

materiaal

Zuiger" — Sensor_zuiger

Totally Integrated Automation Portal		
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Reset_1_DB [DB3]

Reset_1_DB I	Properties				
General					
Name	Reset_1_DB	Number	3	Туре	DB
Language	DB	Numbering	Automatic		
Information					
Title		Author		Comment	
Family		Version	0.1	User-defined ID	

ne	Data type	Start value	Retain	Acces- sible from HMI/O PC UA	ta- ble fro	Visible in HMI engi- neer- ing		Super- vision	Comment
Input									
reset	Bool	false	False	False	Fals e	False	False		
Cil_V_in	Bool	false	False	False	Fals e	False	False		
Cil_H_in	Bool	false	False	False	e	False	False		
Cil_M_in	Bool	false	False	False	Fals e	False	False		
Output									
Ven_H_in	Bool	false	False	False	Fals e	False	False		
Ven_V_in	Bool	false	False	False	Fals e	False	False		
Ven_M_in	Bool	false	False	False	Fals e	False	False		
Ven_H_uit	Bool	false	False	False	Fals e	False	False		
Ven_V_uit	Bool	false	False	False	Fals e	False	False		
Ven_M_uit	Bool	false	False	False	Fals e	False	False		
reset_complete	Bool	false	False	False	Fals e	False	False		
InOut									
Static									
▼ stap	Ar- ray[02] of Bool		False	True	Tru e	True	False		
stap[0]	Bool	false	False	True	Tru e	True	False		
stap[1]	Bool	false	False	True	Tru e	True	False		
stap[2]	Bool	false	False	True	Tru e	True	False		

Totally Integrated Automation Portal		
Program blocks BN_Bak1_DB [DB1	0]	

BN_Bak1_DB	Properties				
General					
Name	BN_Bak1_DB	Number	10	Туре	DB
Language	DB	Numbering	Automatic		
Information					
Title		Author		Comment	
Family		Version	0.1	User-defined	
				ID	

ame	Data type	Start value	Retain	sible from	ta- ble	Visible in HMI engi-		Comment
				HMI/O PC UA		ing		
Input								
start	Bool	false	False	True	Tru e	True	False	
stop	Bool	false	False	True	Tru e	True	False	
senOptis	Bool	false	False	True	Tru e	True	False	
Output								
InOut								
Static								
▼ stap	Ar- ray[02] of Bool		False	True	Tru e	True	False	
stap[0]	Bool	false	False	True	Tru e	True	False	
stap[1]	Bool	false	False	True	Tru e	True	False	
stap[2]	Bool	false	False	True	Tru e	True	False	
K1	Bool	false	False	True	Tru e	True	False	
K2	Bool	false	False	True	e	True	False	
BandActiefLinks	Bool	false	False	True	е	True	False	
р	Bool	false	False	True	e	True	False	
Done	Bool	false	False	True	Tru e	True	False	

Totally Integrated Automation Portal	
Program blocks BN_Bak3_DB [DB1	

BN_Bak3_DB	Properties				
General					
Name	BN_Bak3_DB	Number	12	Туре	DB
Language	DB	Numbering	Automatic		
Information					
Title		Author		Comment	
Family		Version	0.1	User-defined	
				ID	

lame	Data type	Start value	Retain	sible from HMI/O	ta- ble fro	ing		Super- vision	Comment
▼ Input									
start	Bool	false	False	True	Tru e	True	False		
stop	Bool	false	False	True	Tru e	True	False		
senOptis	Bool	false	False	True	Tru e	True	False		
Output									
InOut									
▼ Static									
▼ stap	Ar- ray[02] of Bool		False	True	Tru e	True	False		
stap[0]	Bool	false	False	True	Tru e	True	False		
stap[1]	Bool	false	False	True	Tru e	True	False		
stap[2]	Bool	false	False	True	Tru e	True	False		
K1	Bool	false	False	True	Tru e	True	False		
K2	Bool	false	False	True	Tru e	True	False		
BandActiefRechts	Bool	false	False	True	Tru e	True	False		
Done	Bool	false	False	True	Tru e	True	False		
р	Bool	false	False	True	Tru e	True	False		

|--|

BrengNaar_2_DB [DB14]

BrengNaar_2	_DB Properties				
General					
Name	BrengNaar_2_DB	Number	14	Туре	DB
Language	DB	Numbering	Automatic		
Information					
Title		Author		Comment	
Family		Version	0.1	User-defined ID	

ne	Data type	Start value	Retain	Accessible from HMI/O PC UA	ta- ble fro	in HMI engi-		Super- vision	Comment
					PC UA				
Input									
Camera_Goedge- keurd	Bool	false	False	False	Fals e	False	False		
Sensor_Metaal	Bool	false	False	False	Fals e	False	False		
done	Bool	false	False	True	Tru e	True	False		
UnderCamera	Bool	false	False	True	Tru e	True	False		
ready	Bool	false	False	True	Tru e	True	False		
aan	Bool	false	False	True	Tru e	True	False		
reset	Bool	false	False	True	Tru e	True	False		
Output									
InOut									
Static									
▼ Bak	Ar- ray[03] of Bool		False	True	Tru e	True	False		
Bak[0]	Bool	false	False	True	e	True	False		
Bak[1]	Bool	false	False	True	e	True	False		
Bak[2]	Bool	false	False	True	Tru e	True	False		
Bak[3]	Bool	false	False	True	Tru e	True	False		
timerON	Bool	false	False	True	Tru e	True	False		
TimerDone	Bool	false	False	True	Tru e	True	False		
i	Int	0	False	True	Tru e	True	False		
Delay_camera	Time	T#0ms	False	True	Tru e	True	False		

Name	Data type	Start value	Retain	Accessible from HMI/O PC UA	ta- ble fro	Visible in HMI engi- neer- ing	Set- point	Super- vision	Comment
et	Time	T#0ms	False	True		True	False		

Author Comment Wersion 0.1 User-defined ID	r- Comment
Author Comment User-defined ID Name Data type Start value Retain Acces- Wri Sible ta- in HMI point vision from ble engi-	r- Comment
Version 0.1 User-defined ID Name Data type Start value Retain Acces- Wri Visible Set- Super- Corsible ta- in HMI point vision from ble engi-	r- Comment
Name Data type Start value Retain Acces- Wri Visible Set- Super- Cor sible ta- in HMI point vision from ble engi-	r- Comment
Name Data type Start value Retain Acces- Wri Visible Set- Super- Cor sible ta- in HMI point vision from ble engi-	r- Comment
sible ta- in HMI point vision from ble engi-	r- Comment
PC UA m ing HM I/O PC UA	
▼ Input	
links Bool false False True True False e	
rechts Bool false False True True False e	
▼ Output	
k1 Bool false False True Tru True False	
k2 Bool false False True True False	
InOut	
Static	

nalogeSens eneral ame		ensor_Mate		Number	24				Туре		DB
	aal_DB	erisor_iviati	eri-						туре		DB
anguage nformation	DB			Numbering	Autor	natic					
itle amily				Author Version	0.1				Comm User-d ID		
Name		Data type	Start	value	Retain	Acces- sible from HMI/O PC UA	ta- ble fro	ing		Super- vision	Comment
▼ Input											
Sensor_	_materiaal	Int	0		False	True	Tru e	True	False		
Output											
metaal		Bool	false		False	True	Tru e	True	False		
InOut							е				
▼ Static											
maxwa aal	arde_met-	Int	1500	0	False	True	Tru e	True	False		

P&P_1_DB [DB6]

P&P_1_DB Pro	perties				
General					
Name	P&P_1_DB	Number	6	Туре	DB
Language	DB	Numbering	Automatic		
Information					
Title		Author		Comment	
Family		Version	0.1	User-defined ID	

ame	Data type	Start value	netalli	Acces- sible from HMI/O PC UA	ta- ble fro	in HMI engi-		vision	Comment
- Input									
Start_Knop_man- ual	Bool	false	False	False	Fals e	False	False		
Start_P&P	Bool	false	False	False	е	False	False		
Pauze	Bool	false	False	False	е	False	False		
Stop	Bool	false	False	False	e	False	False		
Sen_Cil_Maga- zijn_in	Bool	false	False	False	е	False	False		
Sen_Cil_Maga- zijn_uit	Bool	false	False	False	е	False	False		
Sen_Cil_Verti- caal_in	Bool	false	False	False	е	False	False		
Sen_Cil_Verti- caal_uit	Bool	false	False	False	Fals e	False	False		
Sen_Cil_Horizon- taal_in	Bool	false	False	False	Fals e	False	False		
Sen_Cil_Horizon- taal_uit	Bool	false	False	False	Fals e	False	False		
Manual	Bool	false	False	False	Fals e	False	False		
Sensor_zuiger	Bool	false	False	True	Tru e	True	False		
Output									
Ven_Magazijn_in	Bool	false	False	False	Fals e	False	False		
Ven_Magazijn_uit		false	False	False	е		False		
Ven_Verticaal_in	Bool	false	False	False	Fals e	False	False		
Ven_Verticaal_uit	Bool	false	False	False	Fals e	False	False		
Ven_Horizon- taal_in	Bool	false	False	False	Fals e	False	False		

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lame	Data type	Start value	Retain	sible from	ta- ble	Visible in HMI engi- neer- ing		Super- vision	Comment
Ven_Horizon- taal_uit	Bool	false	False	False	Fals e	False	False		
Ven_Zuiger	Bool	false	False	False	Fals	False	False		
Deliverd	Bool	false	False	False	e Fals	False	False		
InOut					е				
▼ Static									
▼ stap	Ar- ray[020] of Bool		False	False	Fals e	False	False		
stap[0]	Bool	false	False	False	Fals e	False	False		
stap[1]	Bool	false	False	False		False	False		
stap[2]	Bool	false	False	False		False	False		
stap[3]	Bool	false	False	False		False	False		
stap[4]	Bool	false	False	False	Fals	False	False		
stap[5]	Bool	false	False	False		False	False		
stap[6]	Bool	false	False	False		False	False		
stap[7]	Bool	false	False	False		False	False		
stap[8]	Bool	false	False	False		False	False		
stap[9]	Bool	false	False	False	e Fals	False	False		
stap[10]	Bool	false	False	False	e Fals	False	False		
stap[11]	Bool	false	False	False	e Fals	False	False		
stap[12]	Bool	false	False	False	e Fals	False	False		
stap[13]	Bool	false	False	False	e Fals	False	False		
stap[14]	Bool	false	False	False	e	False	False		
stap[11]	Bool	false	False	False	e	False	False		
· 					e				
stap[16]	Bool	false	False	False	e	False	False		
stap[17]	Bool	false	False	False	e	False	False		
stap[18]	Bool	false	False	False	Fals e	False	False		
stap[19]	Bool	false	False	False	Fals e	False	False		

stap[20] Bool false False False False False False False place page 1	le	Data type	Start value	Retain	Accessible from HMI/O PC UA	ta- ble fro	in HMI engi-		Super- vision	Comment
p1 Bool false False False False False False Palse Pals	stap[20]	Bool	false	False	False	Fals	False	False		
p2BoolfalseFalseFalseFalse eFalse eFalse eP&P_ActiefBoolfalseFalseTrueTrue True False eDelay_zuigerTimeT#2SFalseTrueTrue True False eDelay_VenVerticaal_uitTimeT#500msFalseTrueTrue False eDelay_VenVerticaal_inTimeT#1sFalseTrue True False eProbleem_ZuigerBoolfalseFalseTrue True True False	p1	Bool	false	False	False	Fals	False	False		
P&P_ActiefBoolfalseFalseTrueTrue eTrue eFalse eDelay_zuigerTimeT#2SFalseTrueTrue aTrue eTrue False eDelay_VenVerticaal_uitTimeT#500msFalseTrue aTrue aTrue aTrue aFalse aDelay_VenVerticaal_inTime aT#1sFalse aTrue aTrue aFalse aFalse aProbleem_ZuigerBoolfalseFalse aTrue aTrue aTrue aFalse a	p2	Bool	false	False	False	Fals	False	False		
Delay_zuiger Time T#2S False True Tru True False Delay_VenVerticaal_uit Time T#500ms False True True True False True True False False True True False True False True False True False True True False True True False True True False True True False	P&P_Actief	Bool	false	False	True	Tru	True	False		
Delay_VenVertical_uit Delay_VenVertical_in Time T#500ms False True Tru True False e True True False True False e True True False True True False e True True False True True False e	Delay_zuiger	Time	T#2S	False	True	Tru	True	False		
Delay_VenVertical_in Probleem_Zuiger Bool false T#1s False True True False e True True False True False		Time	T#500ms	False	True	Tru	True	False		
Probleem_Zuiger Bool false False True Tru True False	Delay_VenVerti-	Time	T#1s	False	True		Truc	Falso		
							True	гаізе		
	Probleem_Zuiger	Bool	false	False	True	e Tru				

BN_Bak2_DB [DB11]

Properties				
BN_Bak2_DB	Number	11	Туре	DB
DB	Numbering	Automatic		
	Author		Comment	
	Version	0.1	User-defined	
	BN_Bak2_DB	BN_Bak2_DB Number DB Numbering Author	BN_Bak2_DB Number 11 DB Numbering Automatic Author	BN_Bak2_DB

ne	Data type	Start value	Retain	Acces- sible from HMI/O PC UA	ta- ble fro	ing		Super- vision	Comment
Input									
start	Bool	false	False	True	Tru e	True	False		
stop	Bool	false	False	True	Tru e	True	False		
senOptis		false	False	True	e		False		
sen Onder Camera	Bool	false	False	True	Tru e	True	False		
Output									
InOut									
Static									
▼ stap	Ar- ray[03] of Bool		False	True	Tru e	True	False		
stap[0]	Bool	false	False	True	Tru e	True	False		
stap[1]	Bool	false	False	True	Tru e		False		
stap[2]	Bool	false	False	True	Tru e		False		
stap[3]	Bool	false	False	True	e		False		
K1	Bool	false	False	True	Tru e	True	False		
K2	Bool	false	False	True	e	True	False		
BandActiefRechts	Bool	false	False	True	Tru e	True	False		
Done	Bool	false	False	True	Tru e	True	False		
р	Bool	false	False	True	Tru e	True	False		
Blazer	Bool	false	False	True	Tru e	True	False		

Totally Integrated Automation Portal	
Program blocks	

BN_Camera_DB [DB13]

BN_Camera_	DB Properties				
General					
Name	BN_Camera_DB	Number	13	Туре	DB
Language	DB	Numbering	Automatic		
Information					
Title		Author		Comment	
Family		Version	0.1	User-defined	
				ID	

ame	Data type	Start value	Retain	Acces- sible from HMI/O PC UA	ta- ble fro	in HMI engi-		Comment
Input								
start	Bool	false	False	True	Tru e	True	False	
stop	Bool	false	False	True	Tru e	True	False	
senOptis	Bool	false	False	True	Tru e	True	False	
sen Onder Camera	Bool	false	False	True	Tru e	True	False	
Output								
InOut								
▼ Static								
▼ stap	Ar- ray[02] of Bool		False	True	Tru e	True	False	
stap[0]	Bool	false	False	True	Tru e	True	False	
stap[1]	Bool	false	False	True	Tru e	True	False	
stap[2]	Bool	false	False	True	Tru e	True	False	
K1	Bool	false	False	True	Tru e	True	False	
K2	Bool	false	False	True	Tru e	True	False	
BandActiefRechts	Bool	false	False	True	Tru e	True	False	
Ready	Bool	false	False	True	Tru e	True	False	

Totally Integrated Automation Portal		
Program blocks Settings_Manage		
Settings_Manager_DB Pro	perties	

Settings_Man	ager_DB Properties				
General					
Name	Settings_Manager_DB	Number	21	Туре	DB
Language	DB	Numbering	Automatic		
Information					
Title		Author		Comment	
Family		Version	0.1	User-defined ID	

me	Data type	Start value	Retain	Accessible from HMI/O PC UA	ta- ble fro	Visible in HMI engi- neer- ing		Super- vision	Comment
Input									
apply	Bool	false	False	True	Tru e	True	False		
default	Bool	false	False	True	Tru e	True	False		
changememset- tings	Bool	false	False	True	Tru e	True	False		
applymemsettings	Bool	false	False	True	Tru e	True	False		
Output									
InOut									
Static									
delay_zuiger_hmi	Time	T#0ms	False	True	Tru e	True	False		
delay_venHin_hmi	Time	T#0ms	False	True	Tru e	True	False		
delay_cam- era_hmi	Time	T#0ms	False	True	Tru e	True	False		
CantApplySettings	Bool	false	False	True	Tru e	True	False		
SettingsApplied	Bool	false	False	True	Tru e	True	False		
i	Int	0	False	True	Tru e	True	False		

ormation	В	ing motor_DB Number Numbering		Numbering	Auton	natic			Type		
tle amily				Author Version	0.1	0.1 Commen User-defi					
lame	Data type Star		Start	value		Acces- sible from HMI/O PC UA	ta- ble fro	Visible in HMI engi- neer- ing		Super- vision	Comment
▼ Input											
band_rech	ts Bo	ool	false		False	True		True	False		
✓ Output							е				
PWM	Вс	ool	false		False	True	Tru e	True	False		
InOut											
▼ Static					- 1	-	_	-			
snelheid	ln	it	3		False	True	Iru e	True	False		
counter	In	it	0		False	True	Tru e	True	False		

General Jame Janguage Information	Aansturing DB	turing motor_DB_1		Number Numbering	25 Autor	natic			Туре		DB
itle amily				Author Version	0.1				Commo User-do ID		
lame		Data type	Start	value	Retain	Accessible from HMI/O PC UA	ta- ble fro	in HMI engi- neer- ing		Super- vision	Comment
▼ Input							U/A				
band_re	chts	Bool	false		False	True	Tru e	True	False		
Output											
PWM		Bool	false		False	True	Tru e	True	False		
InOut											
Static			_								
snelheid			3		False	True	е	True	False		
counter		Int	0		False	True	Tru e	True	False		

Program blocks

master_DB [DB5]

master_DB Pro	operties				
General					
Name	master_DB	Number	5	Type	DB
Language	DB	Numbering	Automatic		
Information					
Title		Author		Comment	
Family		Version	0.1	User-defined ID	

1e	Data type	Start value	Retain	Accessible from HMI/O PC UA	ta- ble fro	in HMI engi- neer- ing		vision	Comment
nput					O/ C				
start	Bool	false	False	True	Tru e	True	False		
stop	Bool	false	False	True	Tru e	True	False		
Cil_horizontaal_in	Bool	false	False	True	Tru e	True	False		
Cil_horizon- taal_uit	Bool	false	False	True	Tru e	True	False		
Cil_verticaal_in	Bool	false	False	True	Tru e	True	False		
Cil_verticaal_uit	Bool	false	False	True	Tru e	True	False		
Cil_Magazijn_in	Bool	false	False	True	Tru e	True	False		
Cil_Magazijn_uit	Bool	false	False	True	Tru e	True	False		
Pauze	Bool	false	False	True	Tru e	True	False		
Sensor_op- tis_band	Bool	false	False	True	Tru e	True	False		
Reset	Bool	false	False	True	Tru e	True	False		
Sensor_op- tis_magazijn	Bool	false	False	True	Tru e	True	False		
Camera_goedge- keurd	Bool	false	False	True	Tru e	True	False		
Sensor_induc- tief_tacho	Bool	false	False	True	Tru e	True	False		
Sensor_induc- tief_materiaal	Int	0	False	True	Tru e	True	False		
Sensor_zuiger	Bool	false	False	True	Tru e	True	False		
Output									
Band_K1	Bool	false	False	True	Tru e	True	False		

Totally Integrated Automation Portal									
ame	Data type	Start value	Retain	Accessible from HMI/O PC UA	ta- ble fro	Visible in HMI engi- neer- ing		Super- vision	Comment
Band_K2	Bool	false	False	True	Tru e	True	False		
Blazer	Bool	false	False	True		True	False		
Zuiger	Bool	false	False	True		True	False		
Ven_horizon- taal_in	Bool	false	False	True		True	False		
Ven_Verticaal_in	Bool	false	False	True		True	False		
Ven_Magazijn_in	Bool	false	False	True		True	False		
Ven_horizon- taal_uit	Bool	false	False	True		True	False		
Ven_verticaal_uit	Bool	false	False	True		True	False		
Ven_Magazijn_uit	Bool	false	False	True		True	False		
InOut									
▼ Static ▼ stap	Ar- ray[013] of Bool		False	False	Fals e	False	False		
stap[0]	Bool	false	False	False	Fals	False	False		
stap[1]	Bool	false	False	False	Fals e	False	False		
stap[2]	Bool	false	False	False	Fals e	False	False		
stap[3]	Bool	false	False	False	Fals e	False	False		
stap[4]	Bool	false	False	False	Fals e	False	False		
stap[5]	Bool	false	False	False		False	False		
stap[6]	Bool	false	False	False	Fals e	False	False		
stap[7]	Bool	false	False	False	Fals e	False	False		
stap[8]	Bool	false	False	False	Fals e	False	False		
stap[9]	Bool	false	False	False	Fals e	False	False		
stap[10]	Bool	false	False	False	Fals e	False	False		
stap[11]	Bool	false	False	False	Fals e	False	False		
stap[12]	Bool	false	False	False	Fals e	False	False		
stap[13]	Bool	false	False	False	Fals e	False	False		

otally Integrated utomation Portal									
ne	Data type	Start value	Retain	Accessible from HMI/O PC UA	ta- ble fro	ing		Super- vision	Comment
Metaal	Bool	false	False	True	Tru e	True	False		
Reset_Done	Bool	false	False	False		False	False		
Gepauzeerd	Bool	false	False	False		False	False		
Reset_Needed	Bool	false	False	False	-	False	False		
Ready	Bool	false	False	False	Fals	False	False		
BandActiefRechts	Bool	false	False	False	e Fals	False	False		
BandActiefLinks	Bool	false	False	False	-	False	False		
Delivered	Bool	false	False	True		True	False		
Done	Bool	false	False	False	-	False	False		
Probleem_Over- Write	Bool	false	False	True		True	False		
Probleem	Bool	false	False	True	Tru e	True	False		
start_HMI	Bool	false	False	True	Tru	True	False		
stop_HMI	Bool	false	False	True	Tru	True	False		
reset_HMI	Bool	false	False	True	Tru e	True	False		
pauze_HMI	Bool	false	False	True	Tru e	True	False		
Flank	Bool	false	False	True	Tru e	True	False		
SetDefaultSettings	Bool	false	False	True	Tru e	True	False		
ApplySettings	Bool	false	False	True	Tru e	True	False		
▼ error	Ar- ray[010] of Bool		False	True	Tru e	True	False		
error[0]	Bool	false	False	True	Tru e	True	False		
error[1]	Bool	false	False	True	Tru e	True	False		
error[2]	Bool	false	False	True	Tru e	True	False		
error[3]	Bool	false	False	True	Tru e	True	False		
error[4]	Bool	false	False	True	Tru e	True	False		
error[5]	Bool	false	False	True	Tru e		False		
error[6]	Bool	false	False	True	Tru e	True	False		

lame	Data type	Start value		Accessible from HMI/O PC UA	ta- ble fro	in HMI engi- neer- ing	Set- point	Super- vision	Comment
error[7]	Bool	false	False	True	Tru e		False		
error[8]	Bool	false	False	True	Tru e	True	False		
error[9]	Bool	false	False	True	Tru e	True	False		
error[10]	Bool	false	False	True		True	False		

Totally Integrated Automation Portal			
Program blocks			
SavedSettings [DE	34]		

SavedSettings	Properties				
General					
Name	SavedSettings	Number	34	Туре	DB
Language	DB	Numbering	Automatic		
Information					
Title		Author		Comment	
Family		Version	0.1	User-defined ID	

Name	Data type	Start value	Retain	Accessible from HMI/O PC UA	ta- ble fro	Visible in HMI engi- neer- ing		Super- vision	Comment
▼ Static									
werkingsoptie	Int	0	True	True	Tru e	True	False		
bak metaal	Int	0	True	True	Tru e	True	False		
bak plastic	Int	0	True	True	Tru e	True	False		
bak foutief	Int	0	True	True	Tru e	True	False		
min tijd cil h in	Time	T#0ms	True	True	Tru e	True	False		
controleer metaal	Bool	false	True	True	Tru e	True	False		
controleer plastic	Bool	false	True	True	Tru e	True	False		
triggerwaarde metaal	Int	0	True	True	Tru e	True	False		
probleem over- write	Bool	false	True	True	Tru e	True	False		

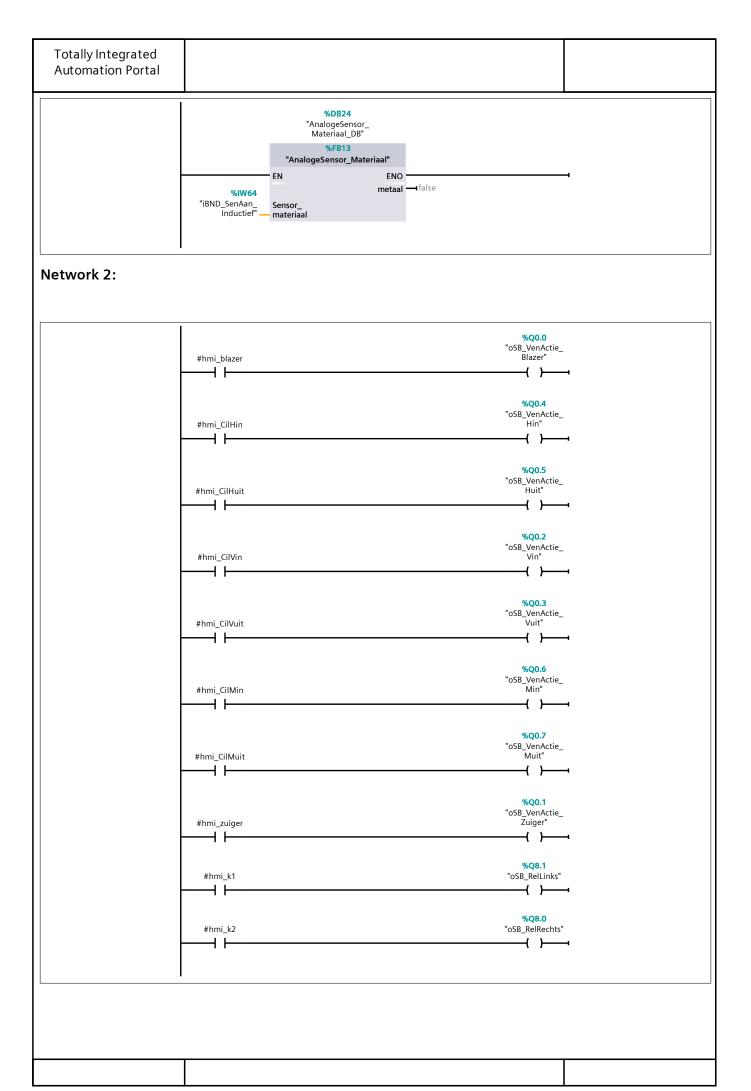
Program blocks

manual_controller [FB10]

manual_contr	oller Properties				
General					
Name	manual_controller	Number	10	Type	FB
Language	LAD	Numbering	Automatic		
Information					
Title		Author		Comment	
Family		Version	0.1	User-defined ID	

ame	Data type	Default value	Retain	Acces- sible from HMI/OP C UA	ta- ble fro	in HMI engi-		Super- vision	Comment
Input									
Output									
InOut									
▼ Static									
hmi_CilMin	Bool	false	Non-retain	True	Tru e	True	False		
hmi_CilMuit	Bool	false	Non-retain	True	Tru e	True	False		
hmi_CilVin	Bool	false	Non-retain	True	Tru e	True	False		
hmi_CilVuit	Bool	false	Non-retain	True	Tru e	True	False		
hmi_CilHin	Bool	false	Non-retain	True	Tru e		False		
hmi_CilHuit	Bool	false	Non-retain	True	Tru e	True	False		
hmi_blazer	Bool	false	Non-retain	True	Tru e	True	False		
hmi_zuiger	Bool	false	Non-retain	True	Tru e	True	False		
hmi_k1	Bool	false	Non-retain	True	Tru e	True	False		
hmi_k2	Bool	false	Non-retain	True	Tru e	True	False		
Temp									
Constant									

Network 1:



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Program blocks

manual_controller_DB [DB35]

manual_contr	oller_DB Properties				
General					
Name	manual_controller_DB	Number	35	Туре	DB
Language	DB	Numbering	Automatic		
Information					
Title		Author		Comment	
Family		Version	0.1	User-defined ID	

lame	Data type	Start value	Retain	sible from	ta- ble fro	Visible in HMI engi- neer- ing		Super- vision	Comment
Input									
Output									
InOut									
▼ Static									
hmi_CilMin	Bool	false	False	True	Tru e	True	False		
hmi_CilMuit	Bool	false	False	True	Tru e	True	False		
hmi_CilVin	Bool	false	False	True	Tru e	True	False		
hmi_CilVuit	Bool	false	False	True	Tru e	True	False		
hmi_CilHin	Bool	false	False	True	Tru e	True	False		
hmi_CilHuit		false	False	True	Tru e	True	False		
hmi_blazer		false	False	True	е		False		
hmi_zuiger	Bool	false	False	True	Tru e	True	False		
hmi_k1		false	False	True	е	True	False		
hmi_k2	Bool	false	False	True	Tru e	True	False		

General Name Language	IEC_Time	r_0_DB		Number Numbering	1 Autor	natic			Type		DB
nformation Title Tamily	IEC		Author Version	Simat 1.0	ic			Comment User-defined ID		IEC_TMR	
Name				ta type Start value			ta- ble fro	in HMI engi- neer- ing	1		Comment
▼ Static											
PT		Time	T#0n	ns	False	True	е	True	False		
ET		Time	T#0n	ıs	False	True	Fals e	True	False		
IN		Bool	false		False	True		True	False		
Q		Bool	false		False	True	_	True	False		

mily IE	C		ıthor	Simat	ic			Comme	ent	
ame		Ve	ersion	1.0				User-de ID	efined	IEC_TMR
	Data type	Start va	lue		sible from HMI/O	ta- ble fro	in HMI engi-		Super- vision	Comment
▼ Static	Time	T#0mas		Falsa.	T	Terr	T	Falsa		
PT		T#0ms			True	е	True	False		
ET		T#0ms			True	e	True	False		
IN	Bool	false		False	True	Tru e	True	False		
Q	Bool	false		False	True	Fals e	True	False		

ormation le	DB EC		Author Version	Simat 1.0				Comme User-de		IEC_TMR
me	Data typ	e Start	value		sible from HMI/O	ta- ble fro	Visible in HMI engi-	Set-	Super- vision	Comment
Static										
PT	Time	T#0n		False	True	e	True	False		
ET	Time	T#0n	าร	False	True	Fals e	True	False		
IN	Bool	false		False	True	Tru e	True	False		
Q	Bool	false		False	True	-	True	False		

from ble engi HMI/O fro neer PC UA m ing HM I/O PC UA	HMI point gi- er-	Super- Commen	t
PT Time T#0ms False True True e ET Time T#0ms False True Fals True e IN Bool false False True True True	ue False		
ET Time T#0ms False True Fals True e IN Bool false False True Tru True	ie False		
IN Bool false False True Tru True			
	ie False		
	ie False		
Q Bool false False True Fals True e	ie False		

Numbering Automatic	Totally Integ Automation Program IEC_Timer_ IEC_Timer_0_D General	blocks	5 [DB1		ı blocks /	/ Prog	gram	n re	sour	ces		
Title Author Simatic Comment User-defined IEC_TMR Name Data type Start value Retain Accessible from HMI/O PC UA PT Time T#0ms False True False ET True False IN Bool false False True False True False True False ITrue ITrue			_0_DB_5							Type		DB
Author Version 1.0 Comment User-defined ID Us		DB			Numbering	Autor	natic					
Name Data type Start value Retain Accessible from ble engineer-ing hMI/O PC UA HM I/O PC UA PT Time T#0ms False True False IN Bool false Retain Accessible tasible engineer-in HMI/O PC UA True False False True False True False True False True False Retain Accessible tasible in HMI point vision PT True False False True False False True False False True False Retain Accessible tasible in HMI point vision False True False False False True False Retain Accessible tasible in HMI point vision False True False False True False Retain HMI/O PC False False True False Retain Accessible tasible in HMI point vision False True False False True False Retain HMI/O POINT	Title				Author	Simat	ic			Comme	ent	
Name Data type Start value Retain Accessible from HMI/O PC UA Wri Visible Set- in HMI point vision PC UA Wri Visible ta- in HMI point vision PC UA Wri Visible ta- in HMI point vision PC UA True False ET Time T#0ms False True False True False True False IN Bool Bool False False True False True False False True False False False True False False False True False False False False True False False False False False False True False False False False True False False False False True False False False True False False False True False False	amily	IEC			Version	1.0					efined	IEC_TMR
PT Time T#0ms False True True False ET Time T#0ms False True False True False IN Bool false False True True False Q Bool false False True False True False	Name		Data type	Start	value		sible from HMI/O	ta- ble fro m HM I/O PC	in HMI engi- neer-	Set-		Comment
ET Time T#0ms False True False e IN Bool false False True True False e Q Bool false False True False True False True False e	▼ Static											
IN Bool false False True True False Q Bool false False True False True False	PT	7	Гіте	T#0n	ıs	False	True		True	False		
IN Bool false False True True False Q Bool false False True False True False True False	ET	7	Гіте	T#0m	าร	False	True	Fals	True	False		
Q Bool false False True Fals True False	IN	E	Bool	false		False	True	Tru	True	False		
	Q	E	Bool	false		False	True	Fals	True	False		

le mily l	EC		Author Version	Simat 1.0	ic			Comme User-de ID		IEC_TMR
ame	Data type	Start	value		sible from HMI/O	ta- ble fro	Visible in HMI engi-	Set-	Super- vision	Comment
Static										
PT	Time	T#0m		False	True	e	True	False		
ET	Time	T#0m	S	False	True	Fals e	True	False		
IN	Bool	false		False	True	Tru e	True	False		
Q	Bool	false		False	True	-	True	False		

	Start value	Retain	Acces- sible from HMI/O	ta-		ID		
PT Time			PC UA	fro	in HMI engi- neer- ing		Super- vision	Comment
PT Time								
	T#0ms	False	True	e	True	False		
ET Time	T#0ms	False	True	Fals e	True	False		
IN Bool	false	False	True	Tru e	True	False		
Q Bool	false	False	True	-	True	False		

General Name Language	IEC_Time	r_0_DB_11		Number Numbering	26 Autor	natic			Туре		DB
Information Title Family	IEC			Author Version	Simat 1.0	ic			Comme User-de ID		IEC_TMR
Name		Data type	Start	value		Accessible from HMI/O PC UA	ta- ble fro	Visible in HMI engi- neer- ing		Super- vision	Comment
▼ Static			- "0			_		_			
PT		Time	T#0m			True	е	True	False		
ET		Time	T#0m	ns	False	True	Fals e	True	False		
IN		Bool	false		False	True		True	False		
Q		Bool	false		False	True	-	True	False		

nguage ormation le mily	DB			Author Version	Autor Simat 1.0				Comme User-de ID		IEC_TMR
me		Data type	Start	value		sible from HMI/O	ta- ble fro	Visible in HMI engi-	Set-	Super- vision	Comment
Static											
PT			T#0m			True	e	True	False		
ET			T#0m	is	False	True	Fals e	True	False		
IN	E	Bool	false		False	True	Tru e	True	False		
Q	E	Bool	false		False	True	-	True	False		

ieneral lame anguage	IEC_Time	r_0_DB_9		Number Numbering	19 Autor	matic			Туре		DB
nformation Title Tamily	IEC			Author Version	Simat 1.0	ic			Comme User-de ID		IEC_TMR
Name		Data type	Start	value		Accessible from HMI/O PC UA	ta- ble fro	Visible in HMI engi- neer- ing		Super- vision	Comment
▼ Static		- ·	T.110			_		-	- 1		
PT			T#0m			True	е	True	False		
ET		Time	T#0m	ns	False	True	Fals e	True	False		
IN		Bool	false		False	True	Tru e	True	False		
Q		Bool	false		False	True	-	True	False		

guage ormation e nily	DB			Author Version	Autor Simat 1.0				Comme User-de ID		IEC_TMR
ne		Data type	Start	value		sible from HMI/O	ta- ble fro	Visible in HMI engi-	Set-	Super- vision	Comment
Static											
PT		Time	T#0n		False	True	е	True	False		
ET		Time	T#0n	ıs	False	True	Fals e	True	False		
IN		Bool	false		False	True	Tru e	True	False		
Q		Bool	false		False	True	-	True	False		

ormation le	DB		Author Version	Simat 1.0				Comme User-de ID		IEC_TMR
ime	Data typ	e Start	value		sible from HMI/O	ta- ble fro	Visible in HMI engi-	Set-	Super- vision	Comment
Static										
PT	Time	T#0n		False	True	e	True	False		
ET	Time	T#0n	าร	False	True	Fals e	True	False		
IN	Bool	false		False	True	Tru e	True	False		
Q	Bool	false		False	True	-	True	False		

PT Time T	start value	Retain	Accessible from HMI/O PC UA	ta- ble fro m HM	Visible in HMI engi-		Super- vision	Comment
ET Time T	T#∩ms			I/O PC UA	ing			
ET Time T	T#∩ms							
		False	True	e	True	False		
INI B I C	#0ms	False	True	Fals e	True	False		
IN Bool f	alse	False	True	Tru e	True	False		
Q Bool f	alse	False	True	-	True	False		

guage rmation e nily	DB			Numbering Author Version	Simat 1.0				Comme User-de ID		IEC_TMR
ne		Data type	Start	value		from HMI/O	ta- ble fro	Visible in HMI engi-	Set-	Super- vision	Comment
Static											
PT			T#0m		False	True	е	True	False		
ET		Time	T#0m	IS	False	True	Fals e	True	False		
IN	I	Bool	false		False	True	Tru e	True	False		
Q	ĺ	Bool	false		False	True	-	True	False		

Name Data type Start value Retain Accessible from ble engineer hold in HMI loop loop loop loop loop loop loop loo	Author Version 1.0 Comment User-defined IEC_TMR IEC_TMR	General Name Language	IEC_Time	r_0_DB_15		Number Numbering	29 Autor	natic			Туре	DB
Static PT Time T#0ms False True True False ET Time T#0ms False True False IN Bool false False True False Q Bool false False True False True False	sible from HMI/O PC UA m HM I/O PC UA Static PT Time T#0ms False True Tru e False e ET Time T#0ms False True False True False e IN Bool false False True False True False e Q Bool false False True False True False True False e False True False True False True False e ET True False False True False False True False e ET False True False False True False False False E	nformation Fitle Family	IEC					ic			User-de	IEC_TMR
▼ Static Time T#0ms False True True False ET Time T#0ms False True False True False IN Bool false False True True False Q Bool false False True False True False	▼ Static Time T#0ms False True True False ET Time T#0ms False True False True False e IN Bool false False True True True False e Q Bool false False True False True False True	Name		Data type	Start	value		sible from HMI/O	ta- ble fro m HM I/O PC	in HMI engi- neer- ing		Comment
ET Time T#0ms False True False False	ET Time T#0ms False True False False			- ·	T#0		- 1	_	_	-	F 1	
IN Bool false False True True False Q Bool false False True False True False	IN Bool false False True True False Q Bool false False True False True False								е			
Q Bool false False True False True False	Q Bool false False True False True False	ET		Time	T#0n	าร	False	True		True	False	
Q Bool false False True Fals True False	Q Bool false False True Fals True False	IN		Bool	false		False	True		True	False	
e e	e	Q		Bool	false		False	True	Fals	True	False	

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