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Automation Portal	

Lutjewinkel_Pekel / EN-BRB1PLC01 [CPU 1518F-4 PN/DP] / Program blocks / 3. Program / 3. Kraan L01 / 3.2 Hoofdprogramma

3.2.1 L01: Hoofe	dprogramma kraa	n Propertie	!S											
General	aprogramma maa	operaic												
Name Numbering	3.2.1 L01: Hoofd ma kraan Manual	program-	Numb	er	300		Туре	FB			Lang	guage	•	FBD
Information	iviariuai													
Title			Autho				Comment				Fam	ily		
Version	0.1		User-d	efined ID										
3.2.1 L01: Hoofd	dprogramma kraa	n												
Name		Data typ	e	Default va	ılue	Retain		Accessible from HMI/OPC UA/Web API	able	Visible in HMI engi- neering	Setpoint	Sup		Comment
Input														
✓ Output														
Uit_Stap_	Tekst	Int		0		Non-retain		True	True	True	False			
InOut														
▼ Static														
▼ Stap		Array[0 Bool	51] of			Retain		True	True	True	False			
Stap[0]		Bool		false		Retain		True	True	True	False			RUST: L01: Hoofdprogram-
C+[1]	1	Bool		false		Retain		True	True	Truo	False			ma kraan STAP 1: Kraan naar lossta-
Stap[1]	I	БООІ		iaise		Retaili		True	True	True	raise			tion?
Stap[2]		Bool		false		Retain		True	True	True	False			STAP 2: Start kraan zonder
Stap[3]	1	Bool		false		Retain		True	True	True	False			kooi naar losstation STAP 3: Kraan zonder kooi
-														naar losstation onderweg
Stap[4]		Bool		false		Retain		True	True	True	False			STAP 4: Wacht tot kooi leeg is
Stap[5]		Bool		false		Retain		True	True	True	False			STAP 5: Start kooi van los-
Stap[6]	1	Bool		false		Retain		True	True	Truo	False			station naar bad STAP 6: Kooi van losstation
Stap[0]	I	ВООІ		laise		Netalli		liue	True	iiue	i aise			naar bad onderweg
Stap[7]]	Bool		false		Retain		True	True	True	False			STAP 7: Kooi van bad naar losstation?
Stap[8]]	Bool		false		Retain		True	True	True	False			STAP 8: Start kooi van bad
C+[0]	1	Dool		false		Datain		True	True	Trus	False			naar losstation STAP 9: Kooi van bad naar
Stap[9]	I	Bool		raise		Retain		True	True	True	raise			losstation onderweg
Stap[10	0]	Bool		false		Retain		True	True	True	False			STAP 10: Kraan naar laadsta tion?
Stap[11	 1]	Bool		false		Retain		True	True	True	False			STAP 11: Start kraan zonder
-		D 1		. .		D		-	-	-	F 1			kooi naar laadstation
Stap[12	2]	Bool		false		Retain		True	True	True	False			STAP 12: Kraan zonder kooi naar laadstation onderweg
Stap[13	3]	Bool		false		Retain		True	True	True	False			STAP 13: Wacht tot kooi ge-
Stap[14	 41	Bool		false		Retain		True	True	True	False			vuld is STAP 14: Start kooi van laad
-														station naar bad
Stap[15	5]	Bool		false		Retain		True	True	True	False			STAP 15: Kooi van laadstation naar bad onderweg
Stap[16	6]	Bool		false		Retain		True	True	True	False			STAP 16: Kooi van bad naar
Stap[17		Bool		false		Retain		True	True	True	False			laadstation? STAP 17: Start kooi van bad
Jtap[17	, l					ne tuiii		Truc						naar laadstation
Stap[18	8]	Bool		false		Retain		True	True	True	False			STAP 18: Kooi van bad naar laadstation onderweg
Stap[19	9]	Bool		false		Retain		True	True	True	False			STAP 19: Kooi van kooien-
Ctan[20	n1	Bool		false		Retain		True	True	Truo	False			wasser naar bad? STAP 20: Start kooi van
Stap[20	J]	БООІ		iaise		Retaili		True	True	True	raise			kooienwasser naar bad
Stap[21	1]	Bool		false		Retain		True	True	True	False			STAP 21: Kooi van kooien- wasser naar bad onderweg
Stap[22	 2]	Bool		false		Retain		True	True	True	False			STAP 22: Kooi van bad naar
								_	_	_	- 1			kooienwasser?
Stap[23	3]	Bool		false		Retain		True	True	irue	False			STAP 23: Start kooi van bad naar kooienwasser
Stap[24	4]	Bool		false		Retain		True	True	True	False			STAP 24: Kooi van bad naar
Stap[25	51	Bool		false		Retain		True	True	True	False			kooienwasser onderweg STAP 25: Kooi van onder-
														houd positie naar bad?
Stap[26	6]	Bool		false		Retain		True	True	Γrue	False			STAP 26: Start kooi van on- derhoud positie naar bad
				false		Retain		True	True	True	False			STAP 27: Kooi van onder-
Stap[27	7]	Bool		iaise		Netairi		1140	Truc	1146	i disc			
Stap[27	7]	Bool		iaise		ive talli			rruc	Truc	T disc			houd positie naar bad on- derweg

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Name	Data type	Default value	Retain	HMI/OPC UA/Web	able	HMI engi- neering	Supervi sion

ame	Data type	Default value	Retain	Accessible from HMI/OPC UA/Web API	able	Visible in HMI engi- neering	Setpoint	Sup	ervi- 1	Comment
Stap[28]	Bool	false	Retain	True	True	True	False			STAP 28: Kooi van onder-
Stap[29]	Bool	false	Retain	True	True	True	False			houd positie naar kooien- wasser? STAP 29: Start kooi van or
Stap[30]	Bool	false	Retain	True	True	True	False			derhoud positie naar kooi wasser STAP 30: Kooi van onder- houd positie naar kooien-
Stap[31]	Bool	false	Retain	True	True	True	False			wasser onderweg STAP 31: Kooi van bad naa
Stap[32]	Bool	false	Retain	True	True	True	False			onderhoud positie? STAP 32: Start Kooi van ba
Stap[32]	Bool	false	Retain	True	True		False			naar onderhoud positie STAP 33: Kooi van bad
Stap[34]	Bool	false	Retain	True	True	True	False			naar onderhoud positie or derweg STAP 34: Kooi verplaatser
·										van bad naar bad?
Stap[35]	Bool	false	Retain	True	True	True	False			STAP 35: Start kooi verpla sen van bad naar bad
Stap[36]	Bool	false	Retain	True	True	True	False			STAP 36: Kooi verplaatser van bad naar bad onderw
Stap[37]	Bool	false	Retain	True	True	True	False			STAP 37: Kraan uit damp- gebied kooienwasser posi tioneren?
Stap[38]	Bool	false	Retain	True	True	True	False			STAP 38: Start kraan uit dampgebied kooienwasse positioneren
Stap[39]	Bool	false	Retain	True	True	True	False			STAP 39: Kraan uit dampo
Stap[40]	Bool	false	Retain	True	True	True	False			bied kooienwasser bezig STAP 40: Kraan juk naar b venste stand positioneren
Stap[41]	Bool	false	Retain	True	True	True	False			STAP 41: Start kraan juk naar bovenste stand posi-
Stap[42]	Bool	false	Retain	True	True	True	False			tioneren STAP 42: Kraan juk naar b venste stand onderweg
Stap[43]	Bool	false	Retain	True	True		False			STAP 43: Klaar
Stap[44]	Bool	false	Retain	True	True		False			
Stap[45] Stap[46]	Bool Bool	false false	Retain Retain	True True	True True		False False			
Stap[47]	Bool	false	Retain	True	True		False			
Stap[48]	Bool	false	Retain	True	True		False			
Stap[49]	Bool	false	Retain	True	True		False			
Stap[50] Stap[51]	Bool	false false	Retain Retain	True True	True True		False False			
▼ Stap_A	Array[051] of	Tuise	Retain	True	True		False			
Stap_A[0]	Bool Bool	false	Retain	True	True	True	False			
Stap_A[0]	Bool	false	Retain	True	True		False			
Stap_A[2]	Bool	false	Retain	True	True	True	False			
Stap_A[3]	Bool	false	Retain	True	True		False			
Stap_A[4]	Bool	false false	Retain	True	True		False False			
Stap_A[5] Stap_A[6]	Bool Bool	false	Retain Retain	True True	True True		False			
Stap_A[7]	Bool	false	Retain	True	True		False			
Stap_A[8]	Bool	false	Retain	True	True	True	False			
Stap_A[9]	Bool	false	Retain	True	True		False			
Stap_A[10]	Bool	false	Retain	True	True		False			
Stap_A[11]	Bool	false	Retain	True	True		False False			
Stap_A[12]	Bool Bool	false false	Retain Retain	True True	True True		False			
Stap_A[13] Stap_A[14]	Bool	false	Retain	True	True		False			
Stap_A[15]	Bool	false	Retain	True	True		False			
Stap_A[16]	Bool	false	Retain	True	True	True	False			
Stap_A[17]	Bool	false	Retain	True	True	True	False			
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Stap_A[19]	Bool	false	Retain	True	True		False			
Stap_A[20]	Bool	false	Retain	True	True		False			
Stap_A[21]	Bool	false	Retain	True	True		False	+		
Stap_A[22]	Bool Bool	false false	Retain Retain	True True	True True		False False	+		
Stap_A[23] Stap_A[24]	Bool	false	Retain	True	True		False	+		
Stap_A[24] Stap_A[25]	Bool	false	Retain	True	True		False	+		
Stap_A[26]	Bool	false	Retain	True	True		False			
Stap_A[27]	Bool	false	Retain	True	True		False			
· · · · · · · · · · · · · · · · · · ·	Bool	false	Retain	True	True	True	False			
Stap_A[28]										
Stap_A[28] Stap_A[29]	Bool	false	Retain	True	True	True	False			

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ie	Data type	Default value	Retain	Accessible from HMI/OPC UA/Web API	able	Visible in HMI engi- neering	Setpoint	Supe		Comment
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Stap_A[32]	Bool	false	Retain	True	True	True	False			
Stap_A[33]	Bool	false	Retain	True	True	True	False			
Stap_A[34]	Bool	false	Retain	True	True	True	False			
Stap_A[35]	Bool	false	Retain	True	True	True	False			
Stap_A[36]	Bool	false	Retain	True	True	True	False			
Stap_A[37]	Bool	false	Retain	True	True	True	False			
Stap_A[38]	Bool	false	Retain	True	True	True	False			
Stap_A[39]	Bool	false	Retain	True	True	True	False			
Stap_A[40]	Bool	false	Retain	True	True	True	False			
Stap_A[41]	Bool	false	Retain	True	True	True	False			
Stap_A[42]	Bool	false	Retain	True	True	True	False			
Stap_A[43]	Bool	false	Retain	True	True	True	False			
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Stap_A[47]	Bool	false	Retain	True	True	True	False			
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Stap_A[49]	Bool	false	Retain	True	True		False			
Stap_A[50]	Bool	false	Retain	True	True		False			
Stap_A[51]	Bool	false	Retain	True	True		False		$\dagger \dagger$	
✓ Stap_B	Array[051] of		Retain	True	True		False			
	Bool									
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Stap_B[1]	Bool	false	Retain	True	True	True	False			
Stap_B[2]	Bool	false	Retain	True	True	True	False			
Stap_B[3]	Bool	false	Retain	True	True	True	False			
Stap_B[4]	Bool	false	Retain	True	True	True	False			
Stap_B[5]	Bool	false	Retain	True	True	True	False			
Stap_B[6]	Bool	false	Retain	True	True	True	False			
Stap_B[7]	Bool	false	Retain	True	True	True	False			
Stap_B[8]	Bool	false	Retain	True	True	True	False			
Stap_B[9]	Bool	false	Retain	True	True	True	False			
Stap_B[10]	Bool	false	Retain	True	True	True	False			
Stap_B[11]	Bool	false	Retain	True	True	True	False			
Stap_B[12]	Bool	false	Retain	True	True	True	False			
Stap_B[13]	Bool	false	Retain	True	True	True	False			
Stap_B[14]	Bool	false	Retain	True	True	True	False			
Stap_B[15]	Bool	false	Retain	True	True	True	False			
Stap_B[16]	Bool	false	Retain	True	True	True	False			
Stap_B[17]	Bool	false	Retain	True	True	True	False			
Stap_B[18]	Bool	false	Retain	True	True	True	False			
Stap_B[19]	Bool	false	Retain	True	True	True	False			
Stap_B[20]	Bool	false	Retain	True	True	True	False			
Stap_B[21]	Bool	false	Retain	True	True		False			
Stap_B[22]	Bool	false	Retain	True	True		False	+	+	
Stap_B[23]	Bool	false	Retain	True	True		False		+	
Stap_B[24]	Bool	false	Retain	True	True		False		+	
Stap_B[25]	Bool	false	Retain	True	True		False		+	
Stap_B[26]	Bool	false	Retain	True	True		False	+	+	
Stap_B[27]	Bool	false	Retain	True	True		False			
Stap_B[28]	Bool	false	Retain	True	True		False			
Stap_B[29]	Bool	false	Retain	True	True		False	+	+	
Stap_B[30]	Bool	false	Retain	True	True		False			
Stap_B[30]	Bool	false	Retain	True	True		False		+	
Stap_B[31]	Bool	false	Retain	True	True		False			
Stap_B[32]	Bool	false	Retain	True	True		False	+	+	
Stap_B[34]	Bool	false	Retain	True	True		False		+	
Stap_B[34]	Bool	false	Retain	True	True		False		+	
Stap_B[36]	Bool	false	Retain	True	True		False	+	+	
Stap_B[30]	Bool	false	Retain	True	True		False	+	+	
Stap_B[37]	Bool	false	Retain	True	True		False		+	
Stap_B[36]	Bool	false	Retain	True	True		False	+	+	
Stap_B[39]	Bool	false	Retain	True	True		False		+	
Stap_B[40] Stap_B[41]	Bool	false	Retain	True	True		False		+	
Stap_B[41] Stap_B[42]	Bool	false	Retain	True	True		False		+	
		false	Retain		True		False		+	
Stap_B[43]	Bool			True				+	+	
Stap_B[44]	Bool	false	Retain	True	True		False		+	
Stap_B[45]	Bool	false	Retain	True	True		False	+	+	
Stap_B[46]	Bool	false	Retain	True	True		False		+	
Stap_B[47]	Bool	false	Retain	True	True		False		+	
Stap_B[48]	Bool	false	Retain	True	True		False			
Stap_B[49]	Bool	false	Retain	True	True	ırue	False			

ame	Data type	Default value	Retain	UA/Web API	able	Visible in HMI engi- neering	Setpoint	Sup		Comment
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Stap_B[51]	Bool	false	Retain	True	True	True	False			
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Stap_C[0]	Bool	false	Retain	True	True	True	False			
Stap_C[1]	Bool	false	Retain	True	True	True	False			
Stap_C[2]	Bool	false	Retain	True	True	True	False			
Stap_C[3]	Bool	false	Retain	True	True	True	False			
Stap_C[4]	Bool	false	Retain	True	True	True	False			
Stap_C[5]	Bool	false	Retain	True	True	True	False			
Stap_C[6]	Bool	false	Retain	True	True	True	False			
Stap_C[7]	Bool	false	Retain	True	True		False			
Stap_C[8]	Bool	false	Retain	True	True	True	False			
Stap_C[9]	Bool	false	Retain	True	True		False			
Stap_C[10]	Bool	false	Retain	True	True		False			
Stap_C[11]	Bool	false	Retain	True	True		False			
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Stap_C[13]	Bool	false	Retain	True	True		False			
Stap_C[14]	Bool	false	Retain	True	True		False			
Stap_C[15]	Bool	false	Retain	True	True		False		_	
Stap_C[16]	Bool	false	Retain	True	True		False		\perp	
Stap_C[17]	Bool	false	Retain	True	True		False			
Stap_C[18]	Bool	false	Retain	True	True		False			
Stap_C[19]	Bool	false	Retain	True	True		False		+	
Stap_C[20]	Bool	false	Retain	True	True		False			
Stap_C[21]	Bool	false	Retain	True	True		False			
Stap_C[22]	Bool	false	Retain		True		False			
Stap_C[23]	Bool	false	Retain		True		False			
Stap_C[24]	Bool	false	Retain	True	True		False			
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Stap_C[26]	Bool	false	Retain		True		False			
Stap_C[27]	Bool	false	Retain	True	True		False			
Stap_C[28]	Bool	false false	Retain	True	True True		False False			
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Stap_C[30]	Bool	false	Retain	True			False			
Stap_C[31]	Bool	false false	Retain	True	True		False False			
Stap_C[32]	Bool Bool	false	Retain Retain	True True	True True		False			
Stap_C[33]										
Stap_C[34]	Bool Bool	false false	Retain Retain	True	True True		False False			
Stap_C[35]	Bool	false		True	True		False			
Stap_C[36]	Bool	false	Retain Retain	True True	True		False			
Stap_C[37]	Bool	false	Retain	True	True		False			
Stap_C[38] Stap_C[39]	Bool	false	Retain	True	True		False			
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Stap_C[40] Stap_C[41]	Bool	false	Retain	True	True		False			
Stap_C[41]	Bool	false	Retain	True	True		False			
Stap_C[42] Stap_C[43]	Bool	false	Retain	True	True		False			
· · · · · · · · · · · · · · · · · · ·	Bool	false	Retain	True	True		False			
Stap_C[44] Stap_C[45]	Bool	false	Retain	True	True		False		+	
Stap_C[45] Stap_C[46]	Bool	false	Retain	True	True		False		+	
Stap_C[40]	Bool	false	Retain	True	True		False		+	
Stap_C[47] Stap_C[48]	Bool	false	Retain	True	True		False		+	
Stap_C[48] Stap_C[49]	Bool	false	Retain	True	True		False		+	
Stap_C[49]	Bool	false	Retain	True	True		False		+	
Stap_C[50] Stap_C[51]		false	Retain	True	True		False		+	
▼ Hulp	Array[132] of		Retain	True	True		False			Hulpmerker
Hulp[1]	Bool Bool	false	Retain	True	True	True	False		+	Aanvraag kooi naar laads
Hulp[2]	Bool	false	Retain	True	True	True	False			tion Aanvraag kooi van laadst
Hulp[3]	Bool	false	Retain	True	True	True	False			tion Aanvraag lege kraan naai
Hulp[4]	Bool	false	Retain	True	True	True	False			laadstation Aanvraag kooi naar lossta tion
Hulp[5]	Bool	false	Retain	True	True	True	False			Aanvraag kooi van lossta
Hulp[6]	Bool	false	Retain	True	True	True	False			Aanvraag lege kraan naai losstation
Hulp[7]	Bool	false	Retain	True	True		False			Aanvraag kooi naar kooie wasser
Hulp[8]	Bool	false	Retain	True	True	True	False			Aanvraag kooi van kooier wasser
Hulp[9]	Bool	false	Retain	True	True	T.,	False		++	Aanvraag kraan uit damp

Hulp[10] Hulp[11]				HMI/OPC UA/Web API	HMI/ OPC UA/ Web API	neering			
Huln[11]	Bool	false	Retain	True	True	True	False		Aanvraag kraan van onde
Παιρ[11]	Bool	false	Retain	True	True	True	False		houd positie naar bad Aanvraag kraan van onde houd positie naar kooien
Hulp[12]	Bool	false	Retain	True	True	True	False		wasser Aanvraag kraan bad naar derhoud positie
Hulp[13]	Bool	false	Retain	True	True	True	False		Aanvraag kooi van bad n bad verzetten
Hulp[14]	Bool	false	Retain	True	True	True	False		Kraan beweging gewens
Hulp[15]	Bool	false	Retain	True	True		False		Geen kraan route actief ogestart
Hulp[16]	Bool	false	Retain	True	True		False		Hulpmerker
Hulp[17]	Bool	false	Retain	True	True		False False		Hulpmerker
Hulp[18] Hulp[19]	Bool Bool	false false	Retain Retain	True True	True True	-	False		Hulpmerker Hulpmerker
Hulp[20]	Bool	false	Retain	True	True		False		Hulpmerker
Hulp[21]	Bool	false	Retain	True	True	-	False		Hulpmerker
Hulp[22]	Bool	false	Retain	True	True	True	False		Hulpmerker
Hulp[23]	Bool	false	Retain	True	True	True	False		Hulpmerker
Hulp[24]	Bool	false	Retain	True	True		False		Hulpmerker
Hulp[25]	Bool	false	Retain	True	True		False		Hulpmerker
Hulp[26]	Bool	false	Retain	True	True		False		Hulpmerker
Hulp[27]	Bool	false false	Retain	True	True True		False False		Hulpmerker
Hulp[28]	Bool Bool	false	Retain Retain	True	True		False		Hulpmerker Hulpmerker
Hulp[29] Hulp[30]	Bool	false	Retain	True True	True		False		Hulpmerker
Hulp[31]	Bool	false	Retain	True	True		False		Hulpmerker
Hulp[32]		false	Retain	True	True		False		Hulpmerker
▼ Tijd	Array[110] of	-	Retain	True	True		True		<u>'</u>
▼ Tijd[1]	IEC_TIMER IEC_TIMER		Retain	True	True		True		X
PT	Time	T#0ms	Retain	True	True	True	False		
ET	Time	T#0ms	Retain	True	False		False		
IN	Bool	false	Retain	True	True		False		
Q	Bool	false	Retain	True	False		False		
▼ Tijd[2]	IEC_TIMER		Retain	True	True		True		Х
PT		T#0ms	Retain	True	True		False		
ET	Time	T#0ms	Retain	True	False		False		
IN O	Bool Bool	false false	Retain Retain	True	True		False False		
Q ▼ Tijd[3]	IEC_TIMER	raise	Retain	True True	False True		True		X
		THO							^
PT	Time	T#0ms T#0ms	Retain Retain	True	True False		False False		
ET IN	Time Bool	false	Retain	True True	True		False		
Q	Bool	false	Retain	True	False		False		
▼ Tijd[4]	IEC_TIMER	14.55	Retain	True	True		True		
PT		T#0ms	Retain	True	True		False		
ET	Time	T#0ms	Retain	True	False		False		
IN	Bool	false	Retain	True	True		False		
Q	Bool	false	Retain	True	False		False		
▼ Tijd[5]	IEC_TIMER		Retain	True	True	True	True		
PT	Time	T#0ms	Retain	True	True	True	False		
ET	Time	T#0ms	Retain	True	False		False		
IN	Bool	false	Retain	True	True		False		
Q		false	Retain	True	False		False		
▼ Tijd[6]	IEC_TIMER		Retain	True	True	True	True		
PT	Time	T#0ms	Retain	True	True		False		
ET	Time	T#0ms	Retain	True	False		False		
IN O	Bool	false	Retain	True	True		False		
Q ▼ Tijd[7]	Bool IEC_TIMER	false	Retain Retain	True True	False True		False True		
	_	T#0ms							
PT ET	Time Time	T#0ms T#0ms	Retain Retain	True True	True False		False False		
IN	Bool	false	Retain	True	True		False		
Q Q	Bool	false	Retain	True	False		False		
▼ Tijd[8]	IEC_TIMER	. 4130	Retain	True	True		True		
PT	Time	T#0ms	Retain	True	True		False		
ET	Time	T#0ms	Retain	True	False		False		
IN	Bool	false	Retain	True	True		False		
Q	Bool	false	Retain	True	False		False		
▼ Tijd[9]	IEC_TIMER		Retain	True	True		True	+	

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e	Data type	Default value	Retain	Accessible from HMI/OPC UA/Web API	able	Visible in HMI engi- neering	Setpoint	Supervi- sion	Comment
PT	Time	T#0ms	Retain	True	True	True	False		
ET	Time	T#0ms	Retain	True	False	True	False		
IN	Bool	false	Retain	True	True	True	False		
Q	Bool	false	Retain	True	False	True	False		
▼ Tijd[10]	IEC_TIMER		Retain	True	True	True	True		
		T#0ms	Retain	True	True	Truo	False		
		T#0ms	Retain	True	False		False		
		false	Retain		True		False		
IN				True					
Q		false	Retain	True	False		False		
Teller	Array[110] of Int		Retain	True	True	True	False		
		0	Retain	True	True	True	False		
		0	Retain	True	True		False		
<u> </u>		0	Retain	True	True		False		
<u> </u>		0	Retain		True		False		
				True					
		0	Retain	True	True		False		
		0	Retain	True	True		False		
<u> </u>		0	Retain	True	True		False		
		0	Retain	True	True		False		
Teller[9]	Int	0	Retain	True	True	True	False		
Teller[10]	Int	0	Retain	True	True	True	False		
Alarm	Array[11] of "Program Alarm General"			True	True	True	False		
▼ Alarm[1]	"Program Alarm General"			True	True	True	False		
▼ Input									
	Bool	false	Retain	False	False	False	False		
		0	Non-retain	False		False	False		
1 3=		_							
		0	Non-retain	True	True		False		
Alarmtext	String [120]	п	Non-retain	False		False	False		
	String [ou]	ıı	Non-retain	False		False	False		
•	String [80]	''	Non-retain	False		False	False		
•	string [ou]	II	Non-retain	False		False	False		
Helpinfo_4	String [80]	"	Non-retain	False	False	False	False		
Output									
Number	Int	0	Non-retain	False	False	False	False		
InOut									
▼ Static									
Failure	Program_Alarm			False	Falco	False	False		
	-	0	Retain	False		False	False		
		0	Non-retain	False		False	False		
		0				False	False		
_			Non-retain	False					
Error_ProgramAlarm		false	Non-retain	False		False	False		
Status_ProgramAlarm		16#0	Non-retain	False		False	False		
Melding	Array[11] of "Program Alarm Message"			True	True		True		
▼ Melding[1]	"Program Alarm Message"			True	True	True	True		Melding: Kraan wacht bi laad of losstation tot koo klaar is om op te pakken
▼ Input Triggerbit	Bool	false	Retain	False	False	False	False		Melding: Kraan wacht bi
Alarmtext	String [120]	п	Non-retain	False	Ealco	False	False		laad of losstation tot koo klaar is om op te pakken
Helpinfo_1	String [120] String [80]	II .	Non-retain	False		False	False		
•	String [80]	п	Non-retain	False		False	False		
Helpinfo_2	_	ii							
Helpinfo_3	Juliy [60]	'	Non-retain	False		False	False		
Helpinfo_4 ▼ Output	String [80]		Non-retain	False	ralse	False	False		
Number	Int	0	Non-retain	False	False	False	False		
InOut ▼ Static									
	Program Alessa			Ealca	Eala-	Ealco	Ealco		
	Program_Alarm		5 · · ·	False		False	False		
Alarm_Number		0	Retain	False		False	False False		
Error_Triggerbit	Int		Non-retain	False		False			

Non-retain

Non-retain

Non-retain

Non-retain

False

False

False

False

False False

False False

False False

False False

False

False

False

False

Error_Triggerbit

Error_ProgramAlarm Bool

Status_ProgramAlarm Word

Error_Text

Temp_Stap_Tekst

SET-Voorwaarde

▼ Temp

Int

Int

Int

Bool

0

0

false

16#0

l otally integrated Automation Portal						
Name	Data type	Default value	Retain	Writ- Visible in able HMI eng from neering HMI/ OPC UA/ Web API	Supervi- sion	Comment
Storingsbit8010	Bool					Wissel deze temp uit door bitje uit DB8010

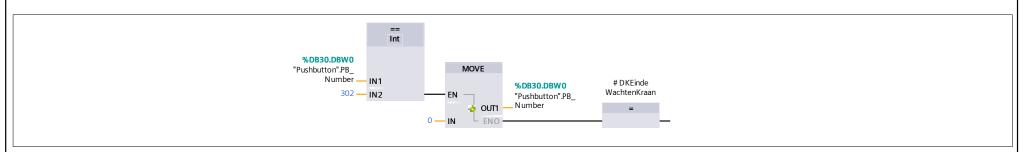
Network 1: Drukknop "Einde wachten kraan"

Bool Int Bool

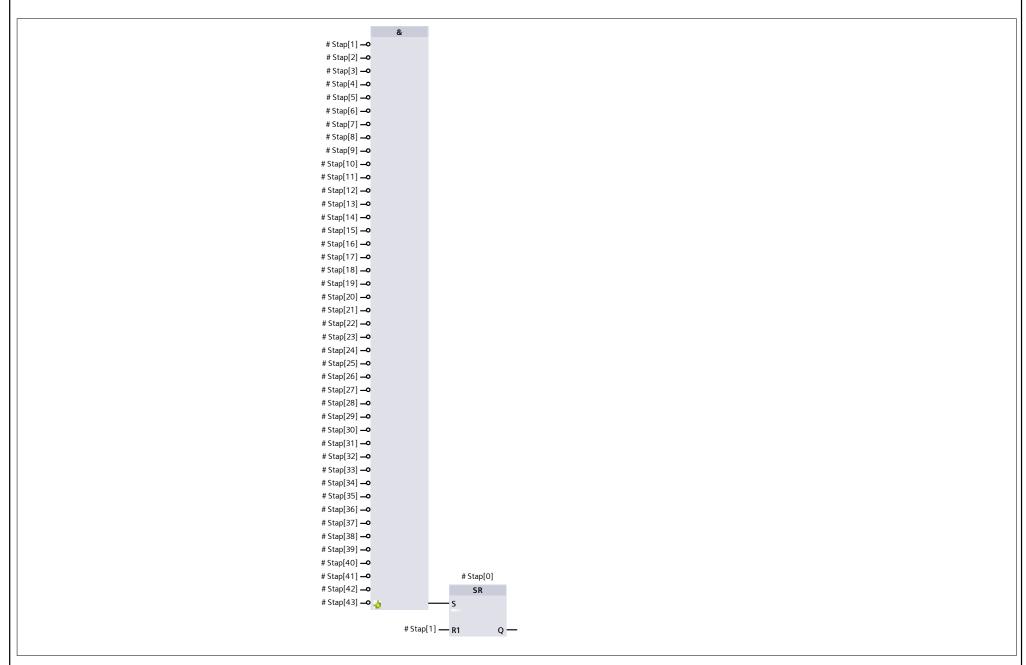
Hand_Temp

Constant

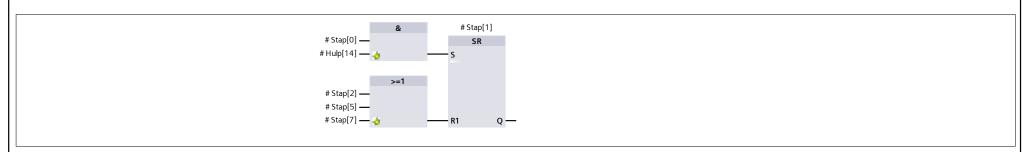
 ${\sf DKE} in de Wachten Kraan$



Network 2: RUST: L01: Hoofdprogramma kraan

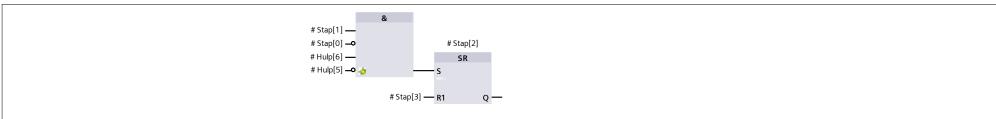


Network 3: STAP 1: Kraan naar losstation?

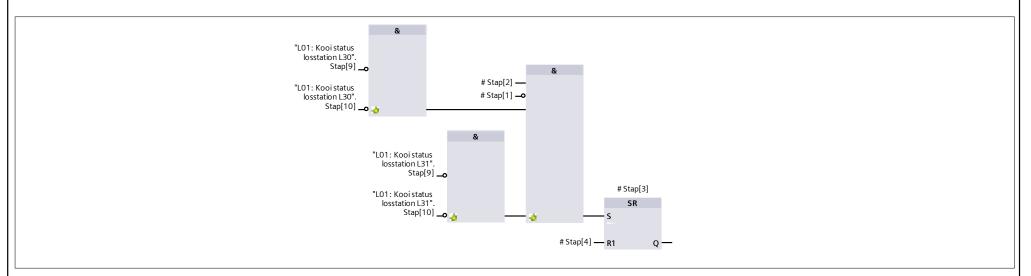


Network 4: STAP 2: Start kraan zonder kooi naar losstation

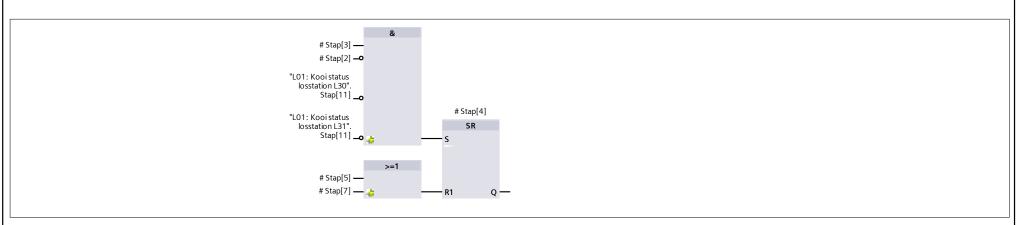




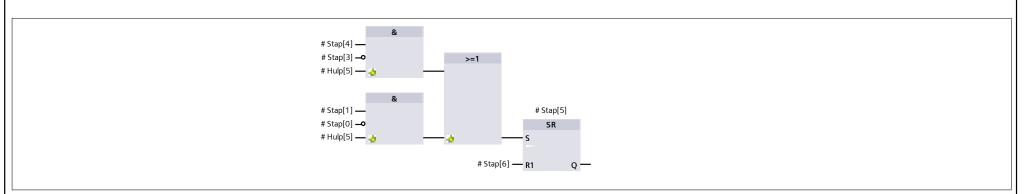
Network 5: STAP 3: Kraan zonder kooi naar losstation onderweg



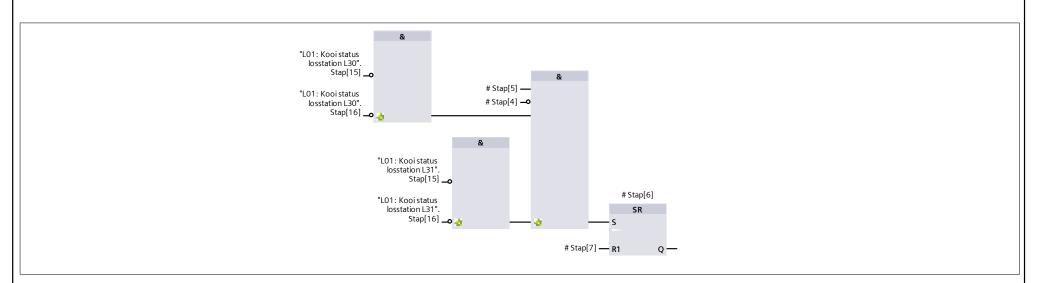
Network 6: STAP 4: Wacht tot kooi leeg is



Network 7: STAP 5: Start kooi van losstation naar bad

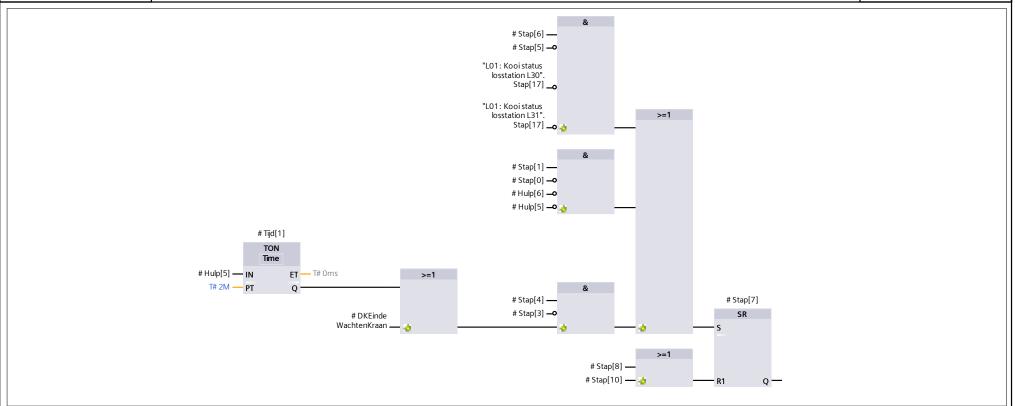


Network 8: STAP 6: Kooi van losstation naar bad onderweg

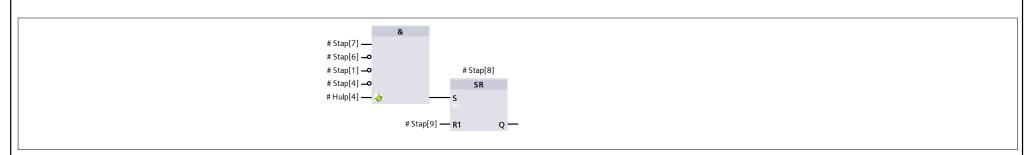


Network 9: STAP 7: Kooi van bad naar losstation?

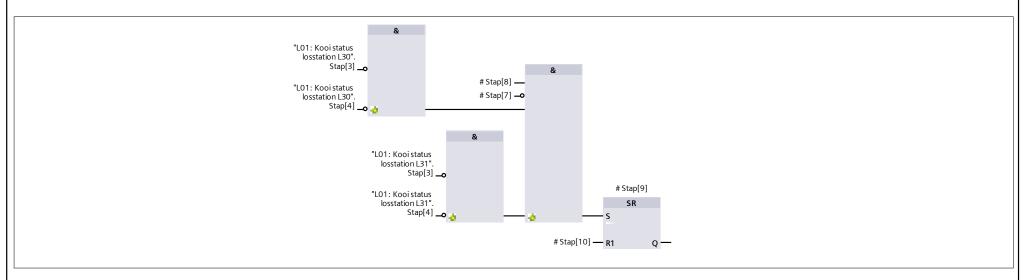




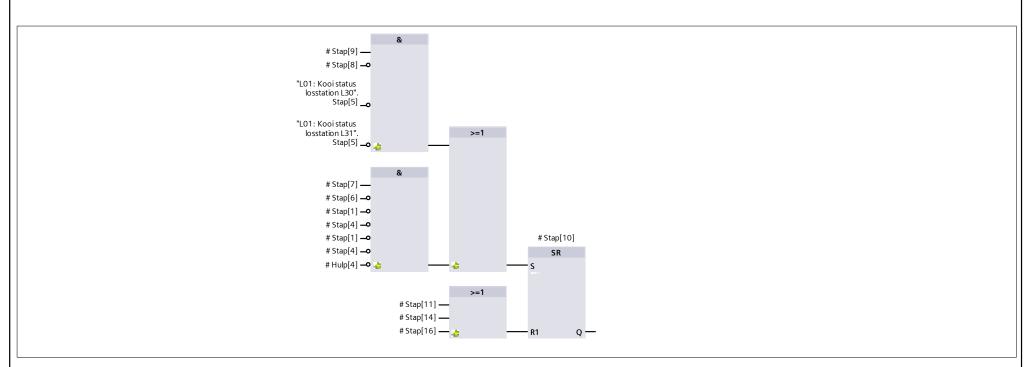
Network 10: STAP 8: Start kooi van bad naar losstation



Network 11: STAP 9: Kooi van bad naar losstation onderweg

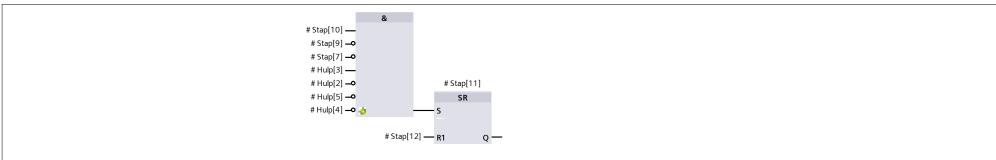


Network 12: STAP 10: Kraan naar laadstation?

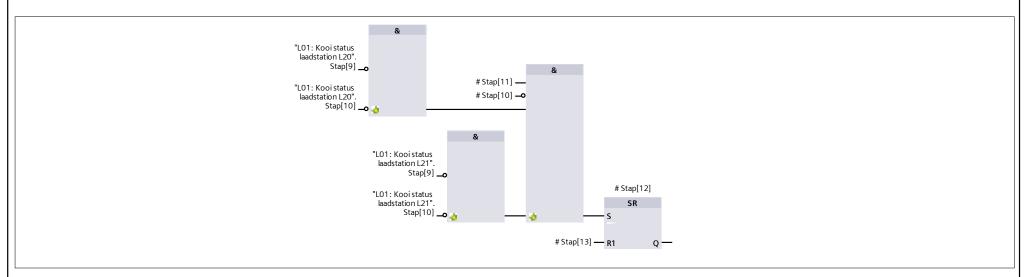


Network 13: STAP 11: Start kraan zonder kooi naar laadstation

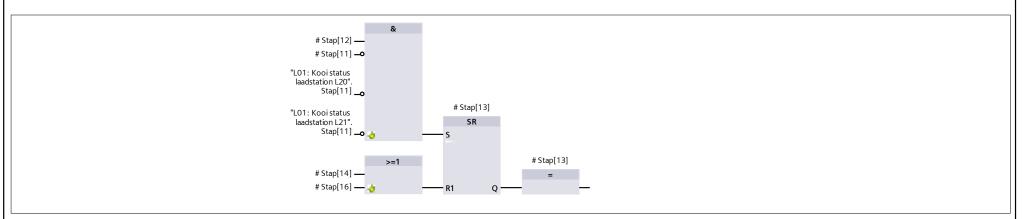




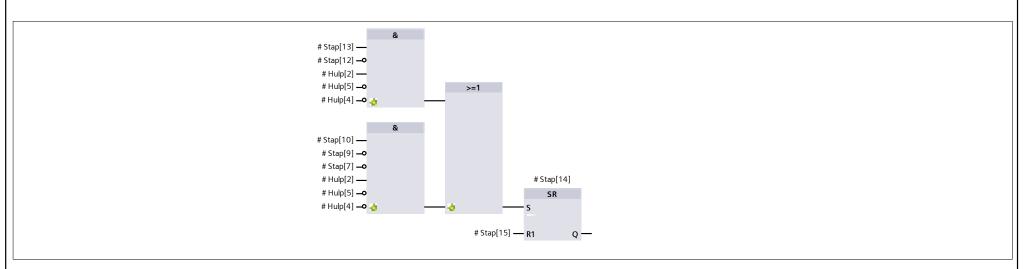
Network 14: STAP 12: Kraan zonder kooi naar laadstation onderweg



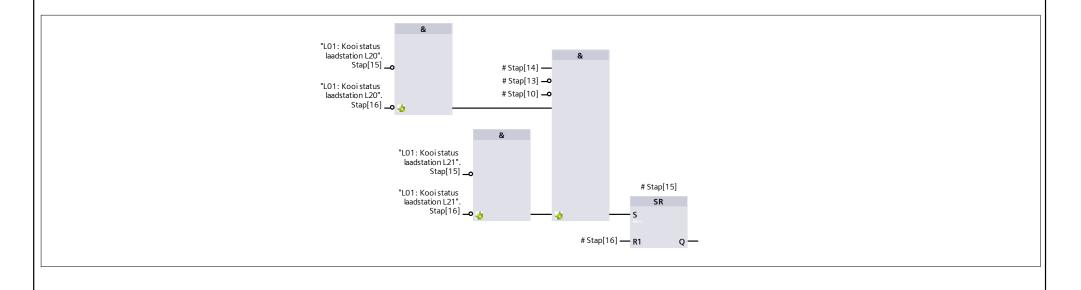
Network 15: STAP 13: Wacht tot kooi gevuld is



Network 16: STAP 14: Start kooi van laadstation naar bad

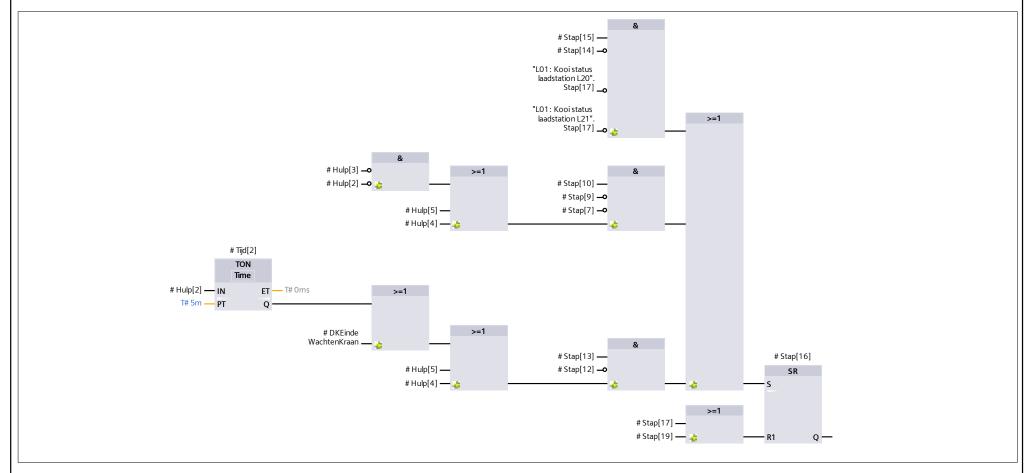


Network 17: STAP 15: Kooi van laadstation naar bad onderweg

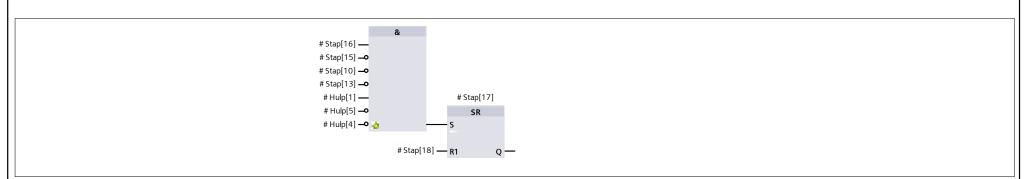


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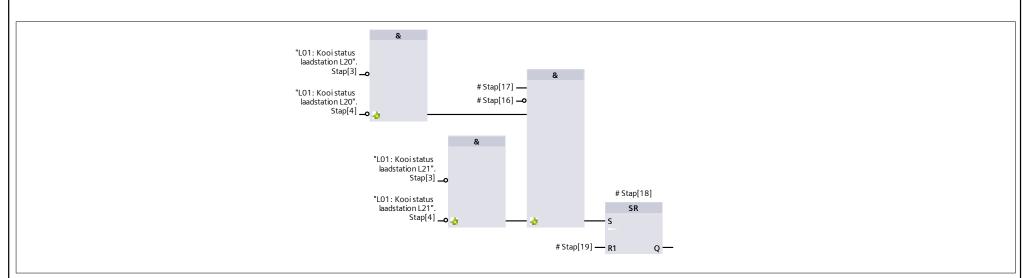
Network 18: STAP 16: Kooi van bad naar laadstation?



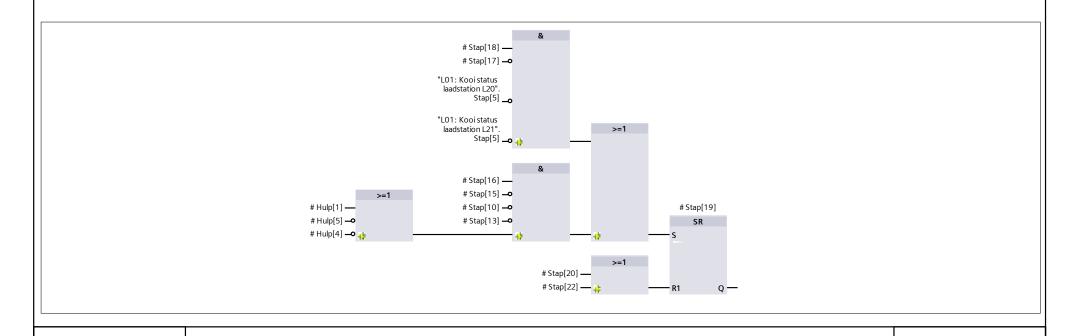
Network 19: STAP 17: Start kooi van bad naar laadstation



Network 20: STAP 18: Kooi van bad naar laadstation onderweg

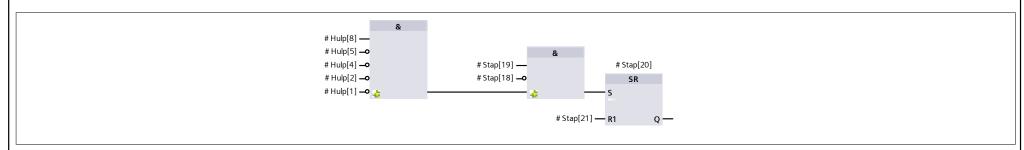


Network 21: STAP 19: Kooi van kooienwasser naar bad?

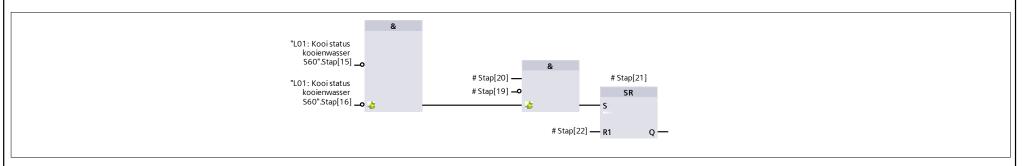




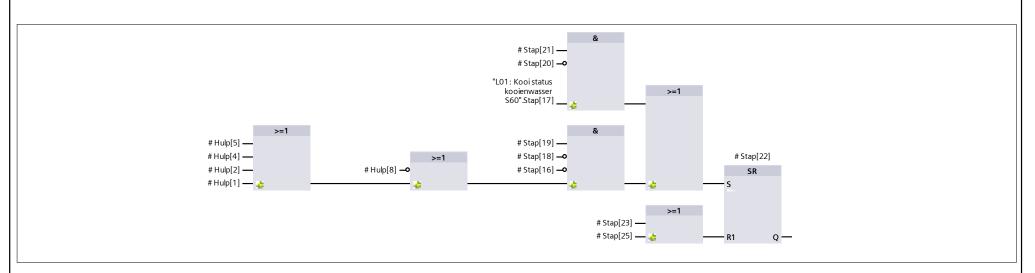
Network 22: STAP 20: Start kooi van kooienwasser naar bad



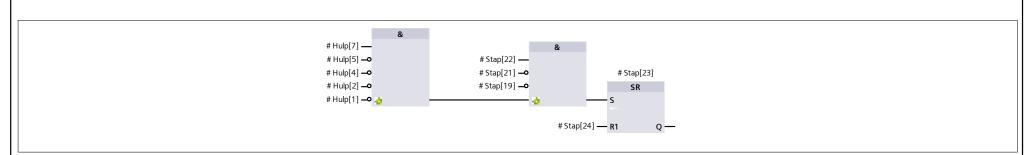
Network 23: STAP 21: Kooi van kooienwasser naar bad onderweg



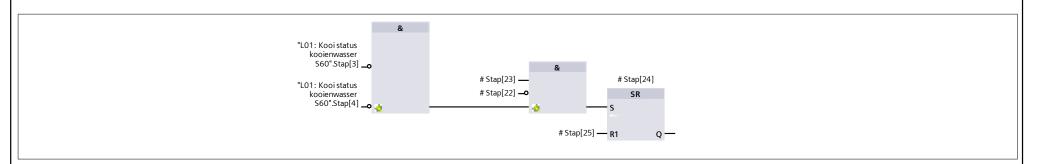
Network 24: STAP 22: Kooi van bad naar kooienwasser?



Network 25: STAP 23: Start kooi van bad naar kooienwasser

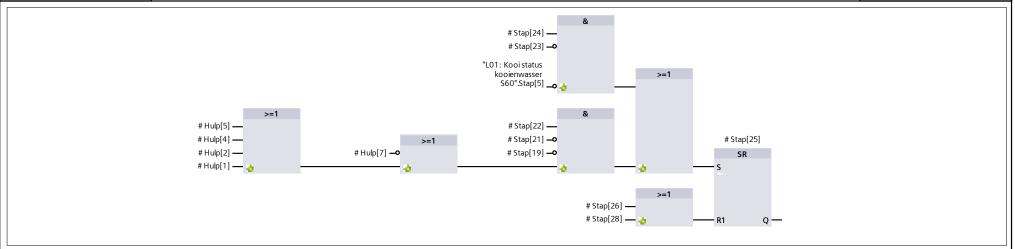


Network 26: STAP 24: Kooi van bad naar kooienwasser onderweg

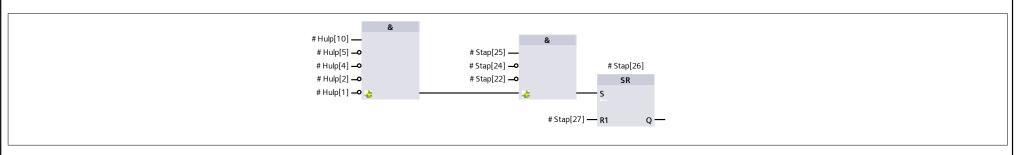


Network 27: STAP 25: Kooi van onderhoud positie naar bad?

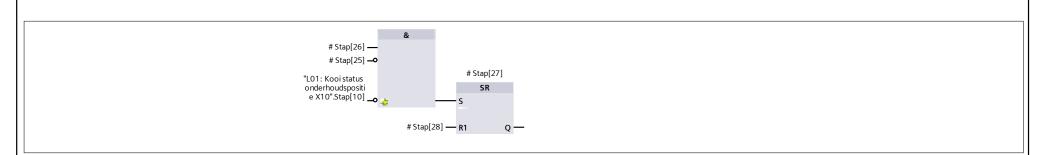




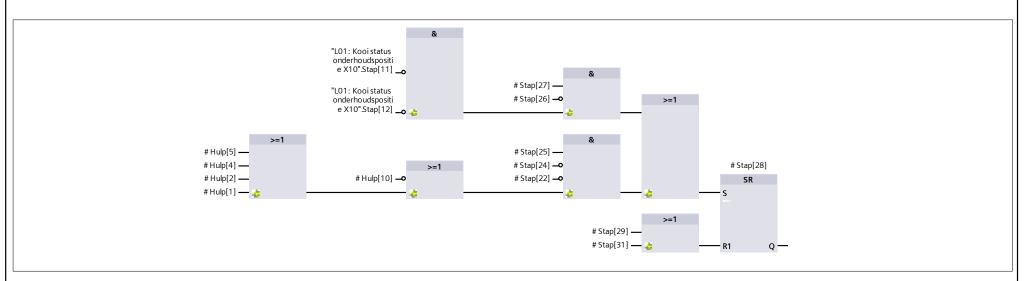
Network 28: STAP 26: Start kooi van onderhoud positie naar bad



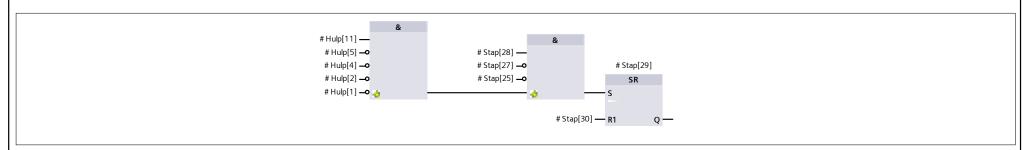
Network 29: STAP 27: Kooi van onderhoud positie naar bad onderweg



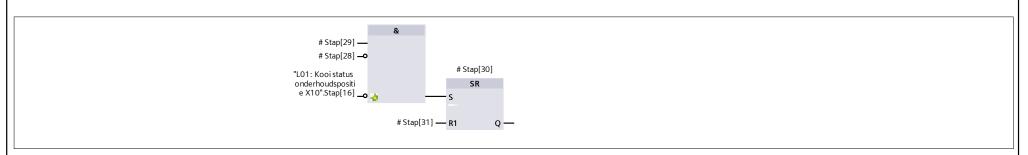
Network 30: STAP 28: Kooi van onderhoud positie naar kooienwasser?



Network 31: STAP 29: Start kooi van onderhoud positie naar kooienwasser

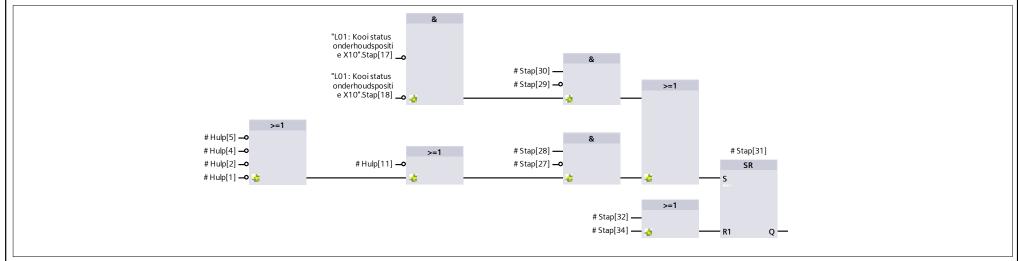


Network 32: STAP 30: Kooi van onderhoud positie naar kooienwasser onderweg

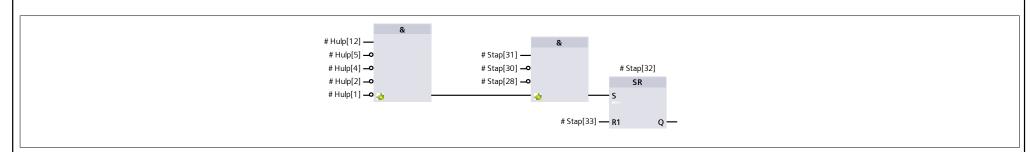


Network 33: STAP 31: Kooi van bad naar onderhoud positie?

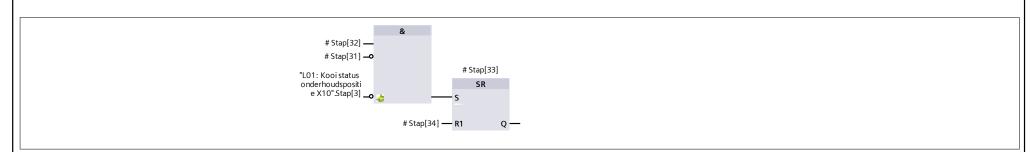




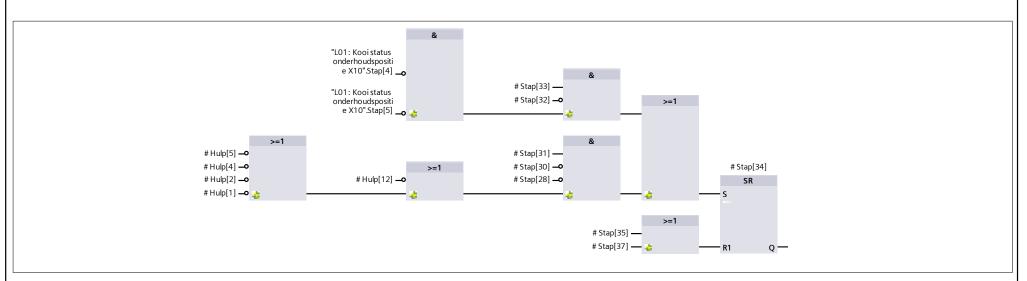
Network 34: STAP 32: Start Kooi van bad naar onderhoud positie



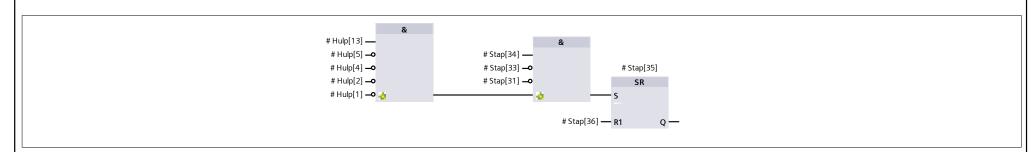
Network 35: STAP 33: Kooi van bad naar onderhoud positie onderweg



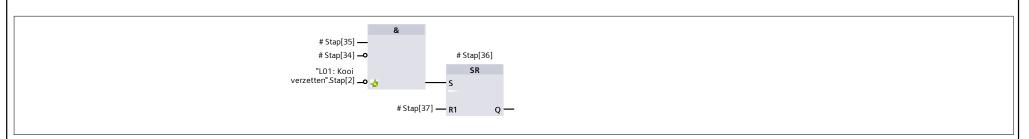
Network 36: STAP 34: Kooi verplaatsen van bad naar bad?



Network 37: STAP 35: Start kooi verplaatsen van bad naar bad

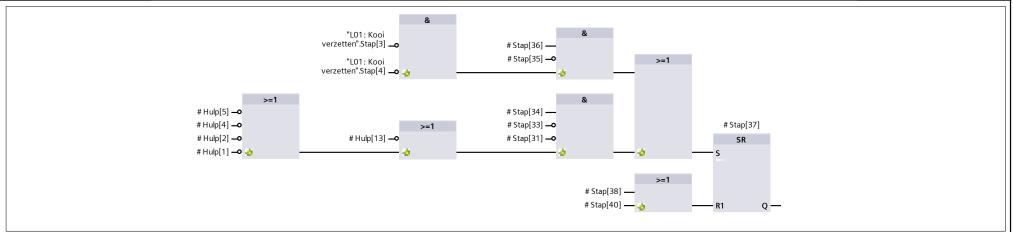


Network 38: STAP 36: Kooi verplaatsen van bad naar bad onderweg

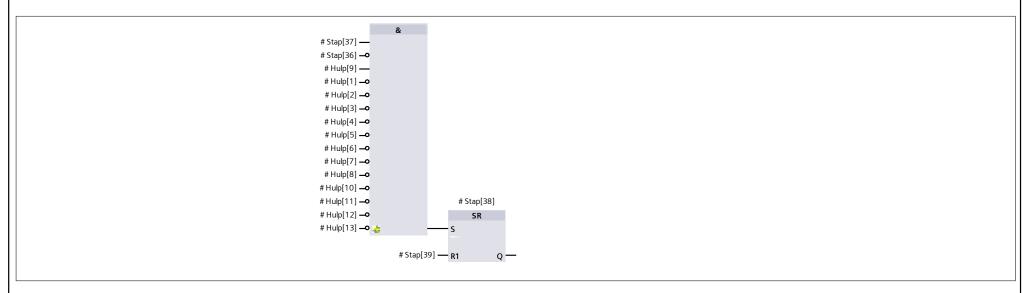


Network 39: STAP 37: Kraan uit dampgebied kooienwasser positioneren?

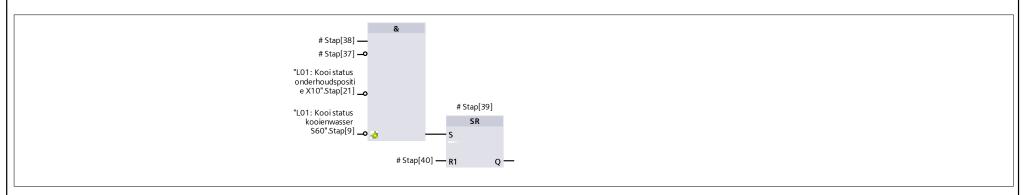




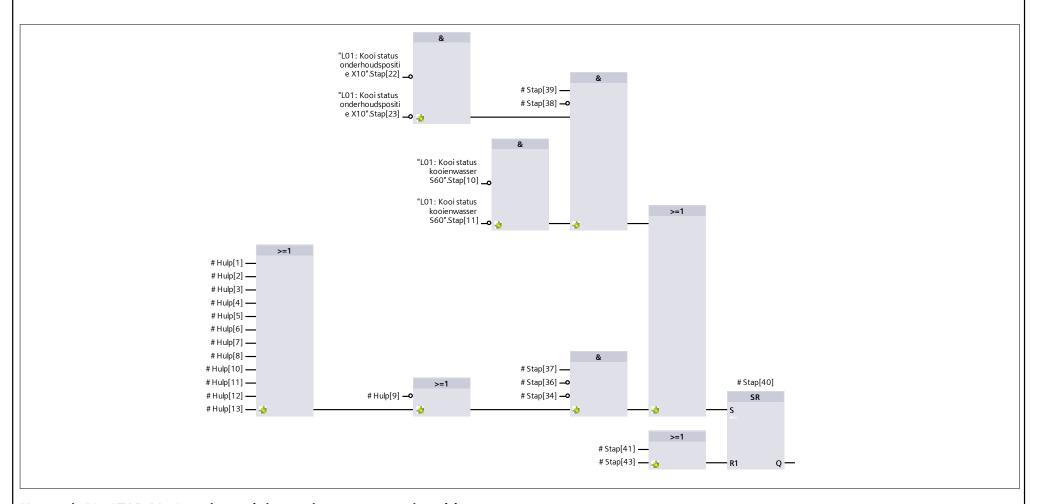
Network 40: STAP 38: Start kraan uit dampgebied kooienwasser positioneren



Network 41: STAP 39: Kraan uit dampgebied kooienwasser bezig

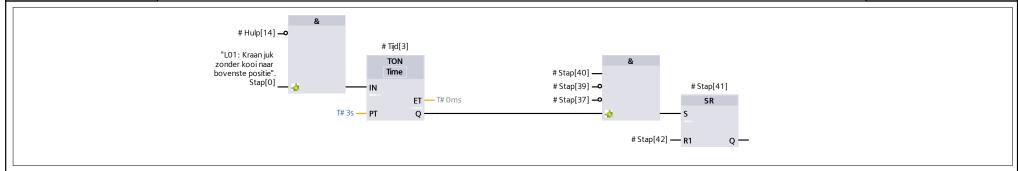


Network 42: STAP 40: Kraan juk naar bovenste stand positioneren?

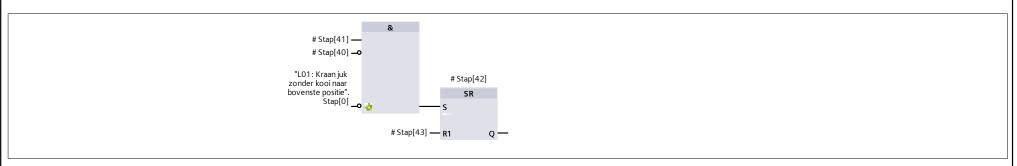


Network 43: STAP 41: Start kraan juk naar bovenste stand positioneren

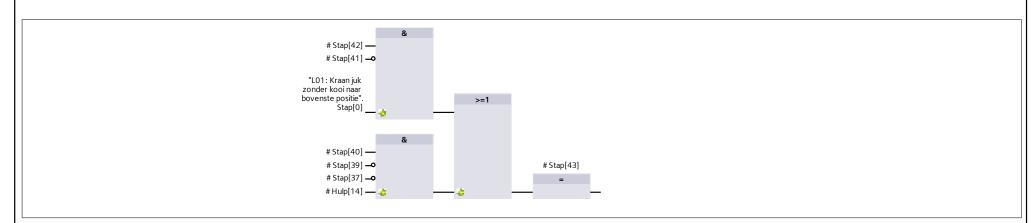
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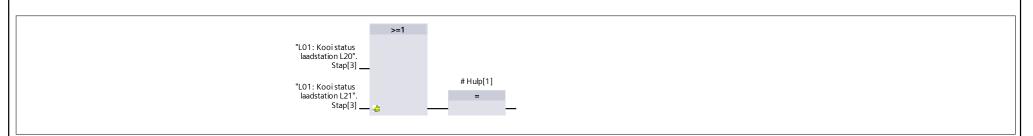
Network 44: STAP 42: Kraan juk naar bovenste stand onderweg



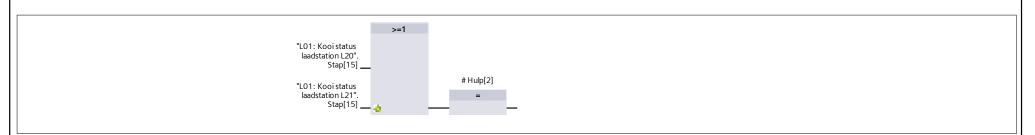
Network 45: STAP 43: Klaar



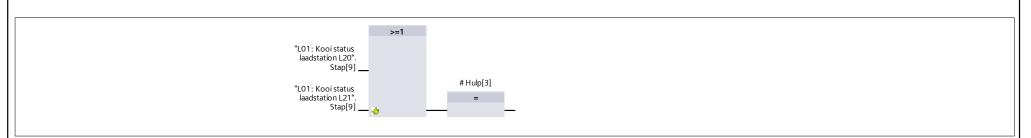
Network 46: Aanvraag kooi naar laadstation



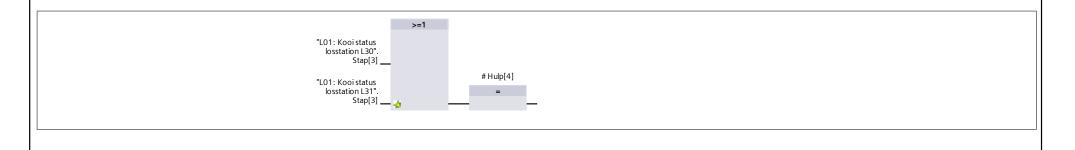
Network 47: Aanvraag kooi van laadstation

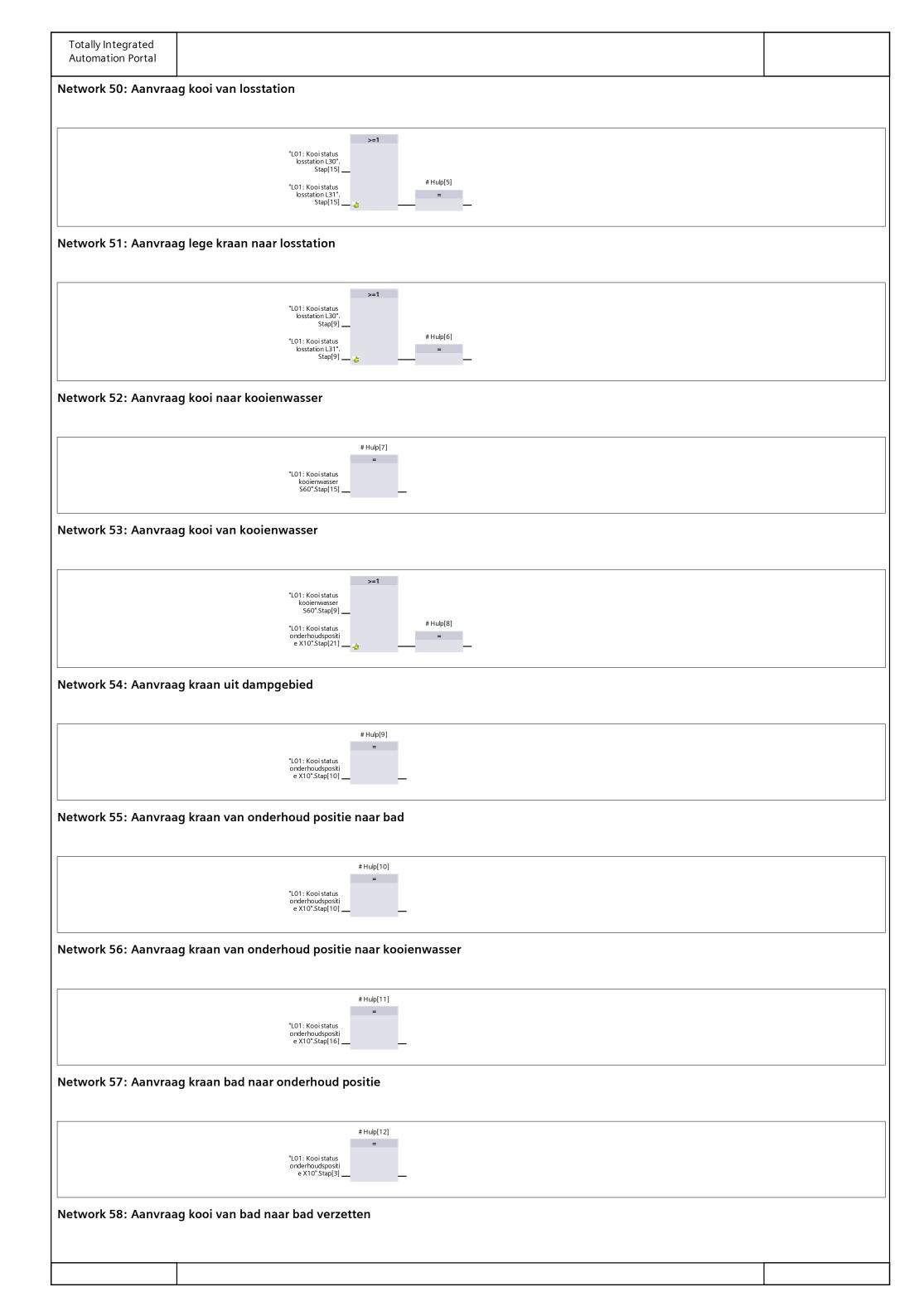


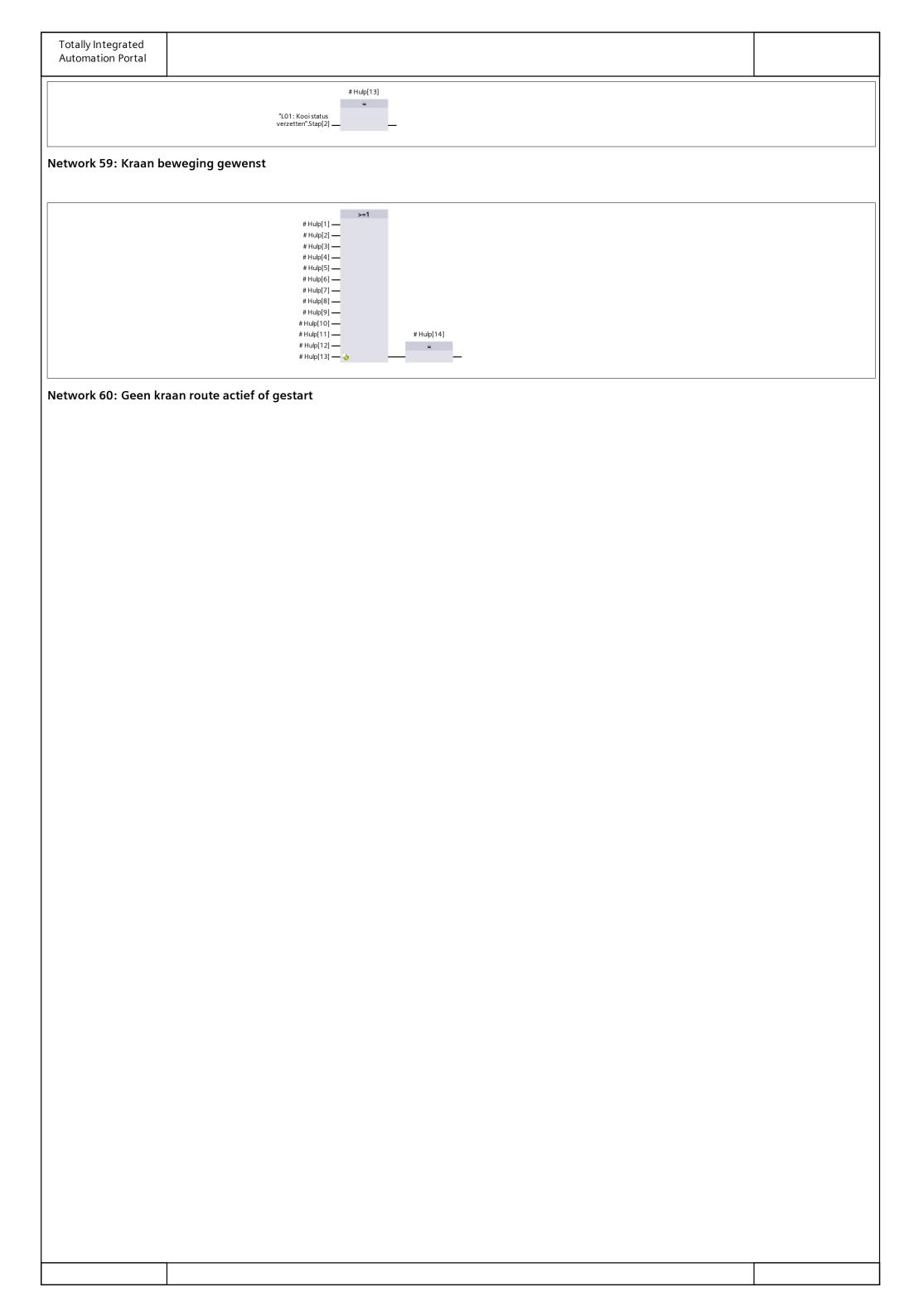
Network 48: Aanvraag lege kraan naar laadstation



Network 49: Aanvraag kooi naar losstation

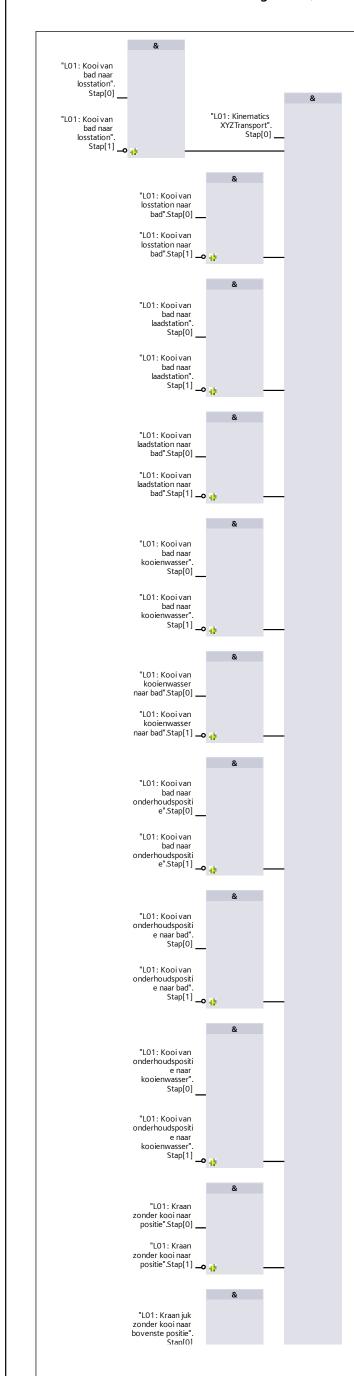






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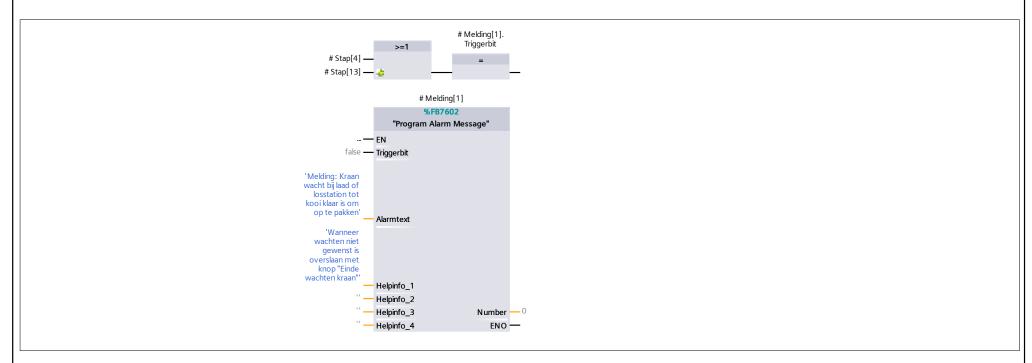
Network 60: Geen kraan route actief of gestart (1.1 / 2.1)



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Network 60: Geen kra	an route actief of gestart (2.1 / 2.1)	
	1.1 (Page1 - 19)	~~~~~
"L0 zond bovei	1: Kraan juk er kooi naar iste positie". Stap[1] _o	
	8	
	%M6.1 "TO_DO" → 41 "TO_DO" → 41	
	# Hulp[15]	
	"MUST_GO" — 👍 ——	

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Network 61: Melding: Kraan wacht bij laad of losstation tot kooi klaar is om op te pakken



Network 62: Staptekst naar uitgang schrijven

```
Stap 0-30 = \text{staptekst } 0-30
Stap A1-A30 = staptekst 101-130
Stap B1-B30 = staptekst 201-230
Stap C1-C30 = staptekst 301-330
0001 (* Init steptext*)
0002 #Temp_Stap_Tekst := 0;
0003 (* Load steptext 1-30 *)
0004
0005 FOR #i := 1 TO 30 DO
        IF #Stap[#i] THEN
0006
             #Temp Stap Tekst := #i;
0007
8000
         END_IF;
0009
         IF #Stap A[#i] THEN
0010
0011
             #Temp_Stap_Tekst := #i + 100;
0012
         END_IF;
0013
0014
         IF #Stap_B[#i] THEN
0015
             #Temp_Stap_Tekst := #i +200;
0016
         END_IF;
0017
0018
         IF #Stap_C[#i] THEN
0019
             #Temp_Stap_Tekst := #i + 300;
0020
         END_IF;
0021 END FOR;
0022
0023 (* Temp steptext to output *)
0024 #Uit_Stap_Tekst := #Temp_Stap_Tekst;
```