

Project: Waterprocess
 Section: All I/O
 Designed: 22.05.2007/c2209
 Checked: 22.05.2007/c6733
 Approved:

I/O LIST



Date	Name	Revision note																	Rev.				
16.11.2020	Kuisar	Rev 8 Simulator data added																					
28.10.2018	Kuisar	Rev 6 PA->DP																					
23.9.2020	Kuisar	Rev 7 Slave addresses updated																					
Loop Tag	Loop Description	#	Device tag	DSC Range	DCS Unit	Device Name	I/O Address	AI	AO	BI	BO	BUS		Metso DNA				Simulator		Remarks	Rev.		
												PA	DP	FBC	Slave	Offset	Scale	Address	Data type				
			FT-1	0 - 200	l/min	Electromagnetic flow transmitter		1				1		5	7	0	Real + ST	pr:WPSIMU.F:5.7.0m	ana		8		
			FT-2	0 - 120	l/min	Electromagnetic flow transmitter		1				1		5	9	0	Real + ST	pr:WPSIMU.F:5.9.0m	ana		8		
			LV-1	0 - 100	%	Flow control valve					1	1		5	5	0	Real + ST	pr:WPSIMU.F:5.5.0c	ana		8		
			LV-2	0 - 100	%	Flow control valve					1	1		5	8	0	Real + ST	pr:WPSIMU.F:5.8.0c	ana		8		
			SC-1			Frequency converter							-	5	11	8	1143, 1151	pr:WPSIMU.F:5.11.8c	ints		8		
			SC-1			Frequency converter running				1				5	11	8.4	bit	pr:WPSIMU.F:5.11.8.4m	bin		8		
			SC-1			Frequency converter control value			1					5	11	10	0...10000	pr:WPSIMU.F:5.11.10c	ints		8		
			SC-1		A	Frequency converter current		1						5	11	16	word	pr:WPSIMU.F:5.11.16m	ints		8		
			SC-1		rpm	Pump 1 speed		1						5	11	14	ints	pr:WPSIMU.F:5.11.14m	ints		8		
			SC-2			Frequency converter					1		1	5	12	8	1143, 1151	pr:WPSIMU.F:5.12.8c	ints		8		
			SC-2			Frequency converter running				1				5	12	8.4	bit	pr:WPSIMU.F:5.12.8.4m	bin		8		
			SC-2			Frequency converter control value			1					5	12	10	0...10000	pr:WPSIMU.F:5.12.10c	ints		8		
			SC-2		A	Frequency converter current		1						5	12	16	word	pr:WPSIMU.F:5.12.16m	ints		8		
			SC-2		rpm	Pump 2 speed		1						5	12	14	ints	pr:WPSIMU.F:5.12.14m	ints		8		
			LT-1	0 - 100	%	Level transmitter		1				1		5	6	0	Real + ST	pr:WPSIMU.F:5.6.0m	ana	$y = (x-0.0351)*100/(0.1411-0.0351)$	8		
			LT-2	0 - 100	%	Level transmitter	AI:1.2	1					1	5	10	0	0...30000			Not in the simulator	8		
			LT-3	0 - 100	%	Level transmitter		1					1	5	10	2	Word	pr:WPSIMU.F:5.10.2m	ana		8		
			HV-1	ON/OFF		Valve open	BO:1.1				1			5	10	0.0	bit	pr:WPSIMU.F:5.10.0.0c	bin		8		
			HV-2	ON/OFF		Valve open	BO:2.1				1			5	10	0.1	bit	pr:WPSIMU.F:5.10.0.1c	bin		8		
			HV-3	ON/OFF		Valve open	BO:1.4				1			5	10	0.2	bit	pr:WPSIMU.F:5.10.0.2c	bin		8		
			LS-1	ON/OFF		Switch on	BI:1.1				1			5	10	4.0	bit	pr:WPSIMU.F:5.10.4.0m	bin		8		
			LS-2	ON/OFF		Switch on	BI:2.1				1			5	10	4.1	bit	pr:WPSIMU.F:5.10.4.0m	bin		8		
			LS-3	ON/OFF		Switch on	BI:1.5				1			5	10	4.2	bit	pr:WPSIMU.F:5.10.4.0m	bin		8		
								9	2	5	7	5	3										