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=DOKU+KBP/3.1	Cable Diagram : W6 : W7		18.01.2007	mte	
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=DOKU+KBP/5	Cable Diagram : W12 : W13 : W14 : W15		18.01.2007	mte	
=DOKU+KBP/6	Cable Diagram : W16 : W17 : W18 : W19		18.01.2007	mte	
=DOKU+KBP/7	Cable Diagram : W20 : W21 : W22		18.01.2007	mte	
=DOKU+KBP/8	Cable Diagram : W23 : W24 : W25		18.01.2007	mte	
=DOKU+KBP/9	Cable Diagram : W26 : W27		18.01.2007	mte	
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=DOKU+SPS/1.6	PLC Chart Overview : =SPS+ASK-BMP2 - =SPS+ASK-BMP2				
=DOKU+BMK/1	Betriebsmittelliste : L1 - 1-2Z1		18.01.2007	mte	

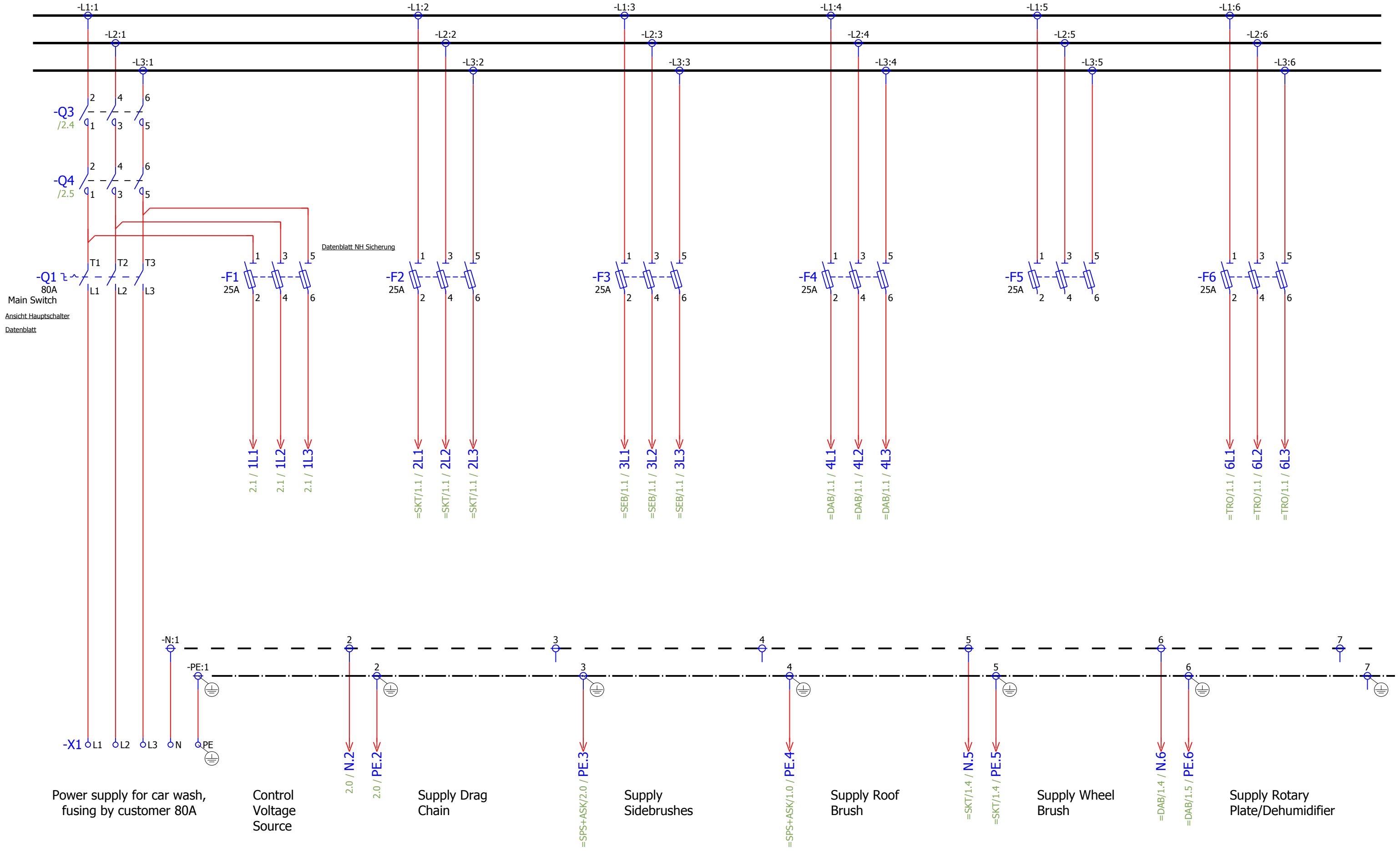
			Date	18.01.2007	Training Center	EPLAN Software & Service GmbH & Co. KG	Table of Contents : =DOKU+KLP/3.1 - =DOKU+BMK/1		=
			Ed. by	mte	CarWash P8				+
			Appr		Replacement for	Replaced by			
Modification	Date	Name	Original					07-06-TZ-00	Page 2.1 Pg 72











Power supply for car wash,  
fusing by customer 80A

Control  
Voltage  
Source

Supply Drag  
Chain

Supply  
Sidebrushes

Supply Roof  
Brush

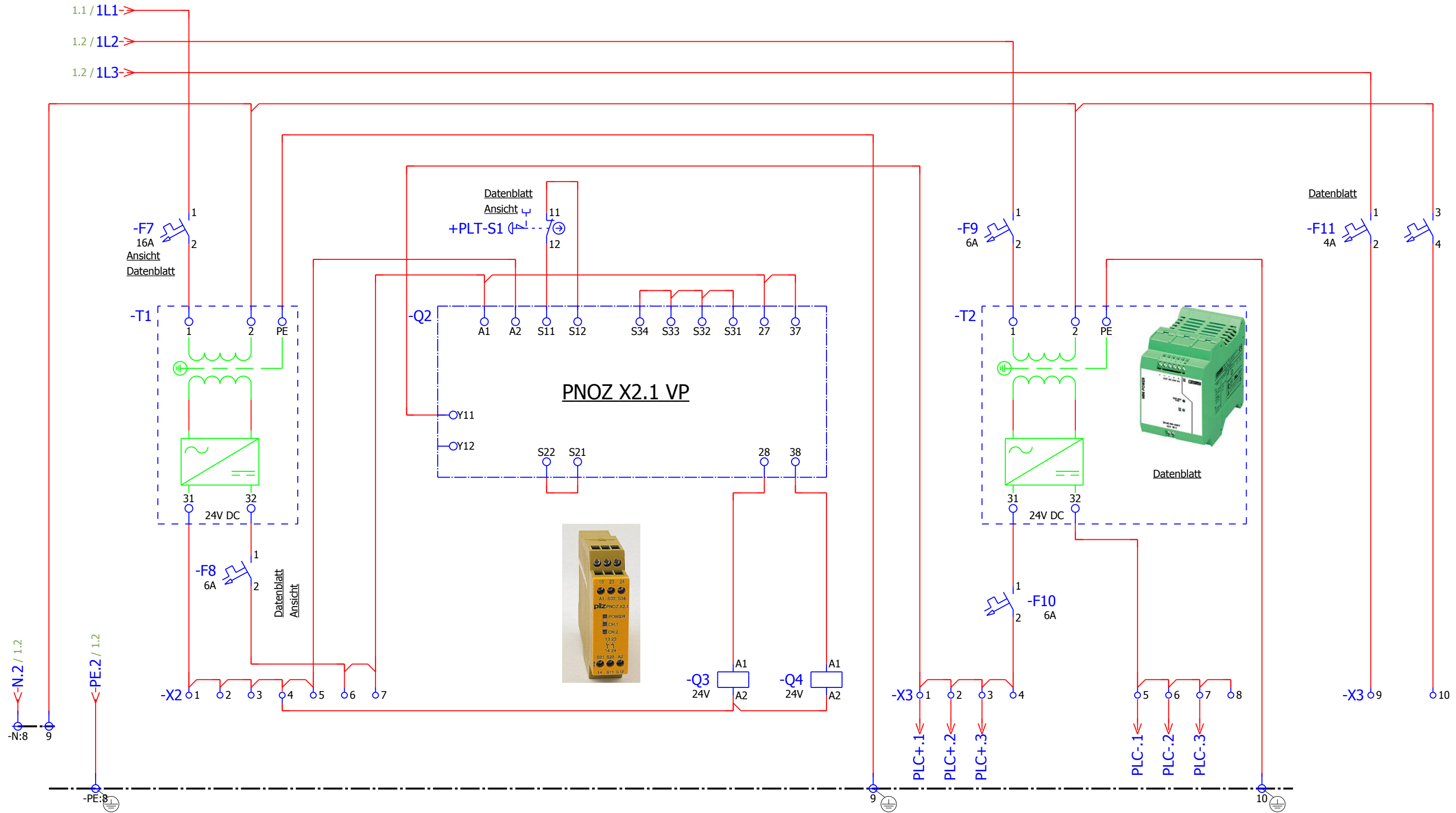
Supply Wheel  
Brush

Supply Rotary  
Plate/Dehumidifier

=CAD/3

2

		Date	18.01.2007	Training Center		EPLAN Software & Service GmbH & Co. KG		Supply		= EVG	
		Ed. by	mte	CarWash P8						+ ESK	
Modification	Date	Name	Original	Replacement for	Replaced by			07-06-TZ-00		Page	1
										Pg	72



Control Voltage  
24V DC

Supply PLC  
24V DC

Supply voltage 230V  
AC

- |            |            |
|------------|------------|
| MOE.052217 | MOE.052217 |
| 1 2 /1.0   | 1 2 /1.0   |
| 3 4 /1.0   | 3 4 /1.0   |
| 5 6 /1.1   | 5 6 /1.1   |

- =SPS+ASK/2.0
- =SPS+ASK/1.0
- =SPS+ASK/4.0

- =SPS+ASK/2.0
- =SPS+ASK/1.0
- =SPS+ASK/4.0

1				3			
Modification	Date	Name	Original	Replacement for	Replaced by	Control Voltage Source	
			18.01.2007	Training Center		= EVG	
			mte	CarWash P8		+ ESK	
						07-06-TZ-00	Page 2
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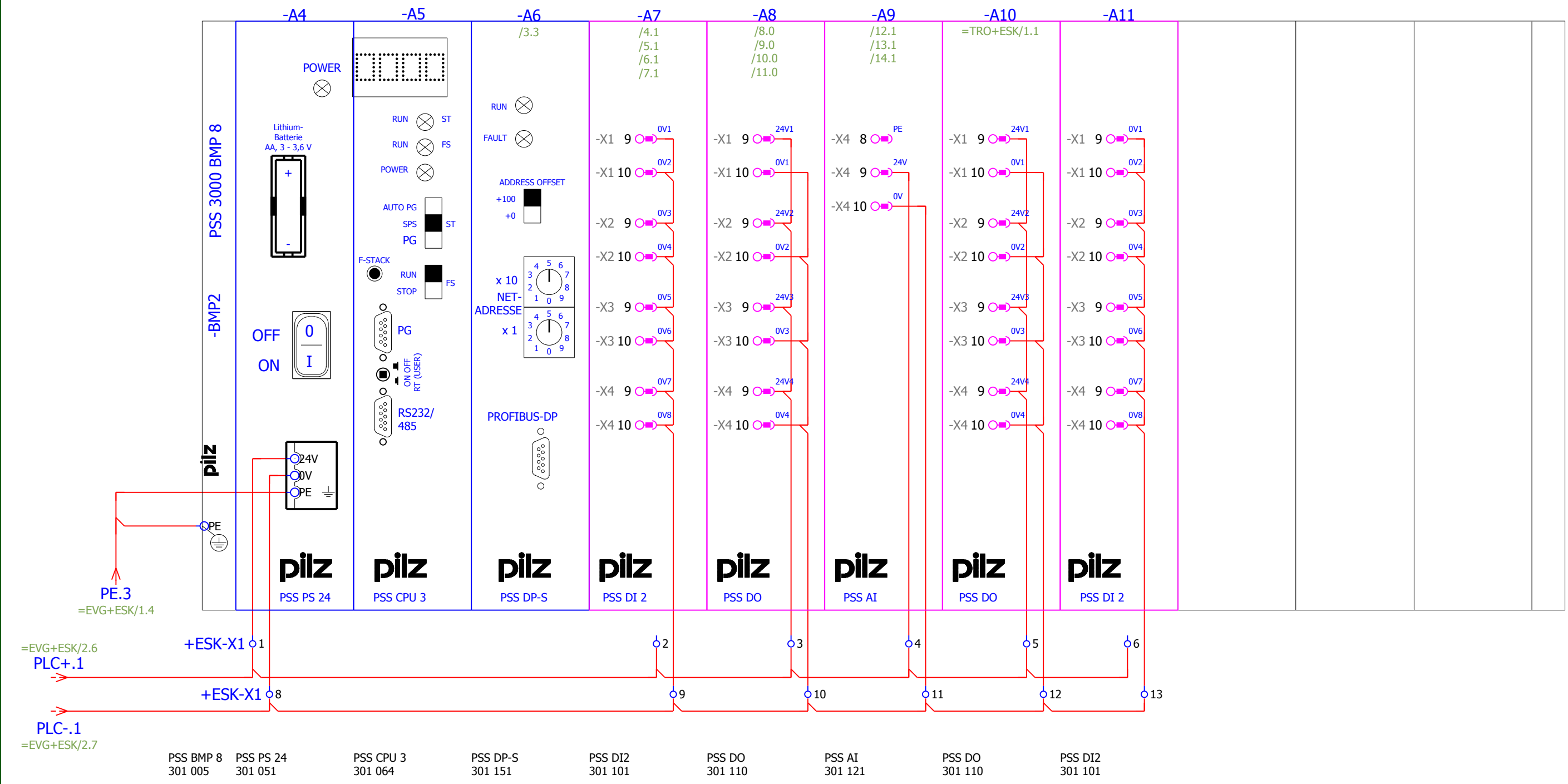




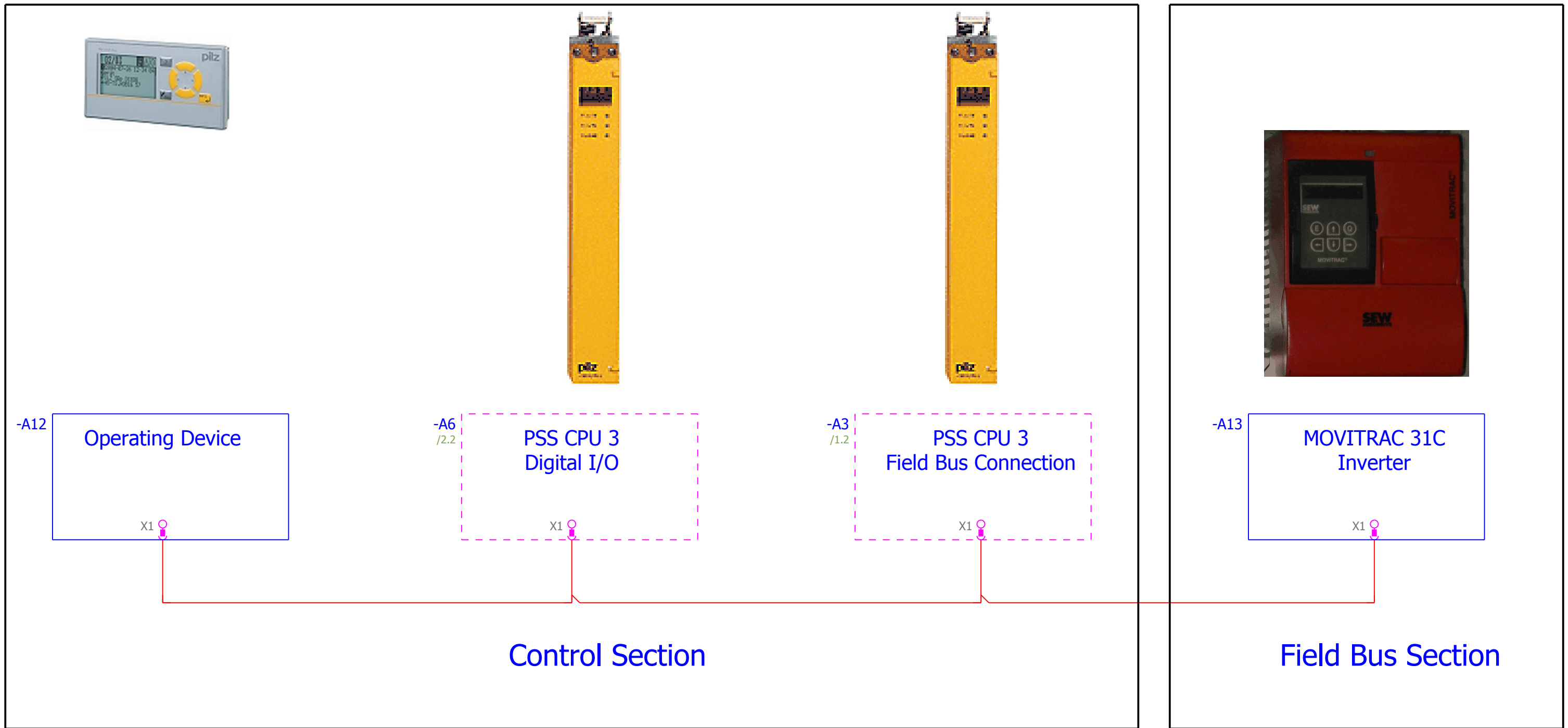
PSS BMP 8 301 005    PSS PS 24 301 051    PSS CPU 3 301 064    PSS DP-S 301 151

=EVG+ESK/3

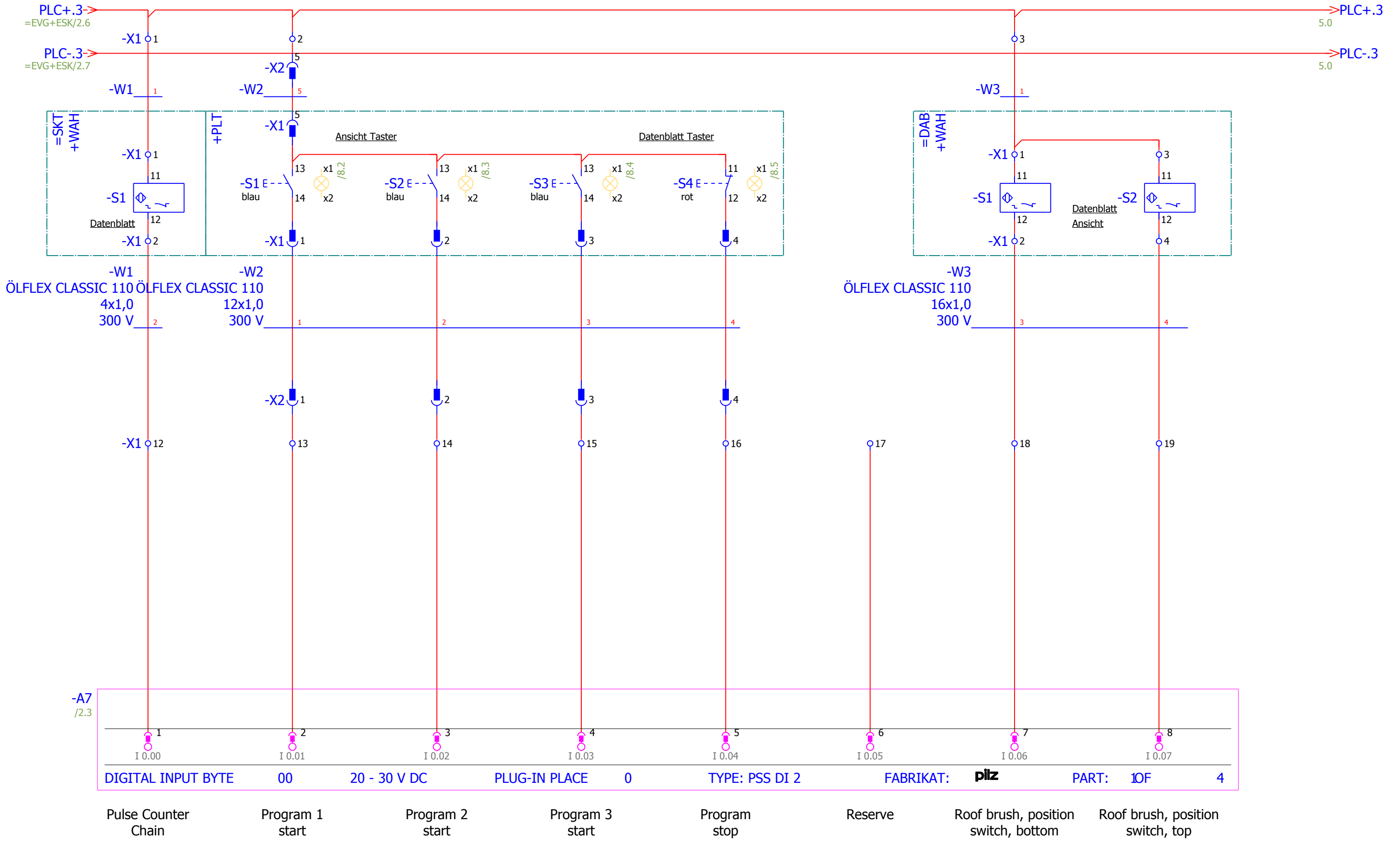
		Date	18.01.2007	Training Center		EPLAN Software & Service GmbH & Co. KG		PSS Device Overview Field Bus Connection		= SPS
		Ed. by	mte	CarWash P8						+ ASK
		Appr		Replacement for		Replaced by				
Modification	Date	Name	Original					07-06-TZ-00		Page 1
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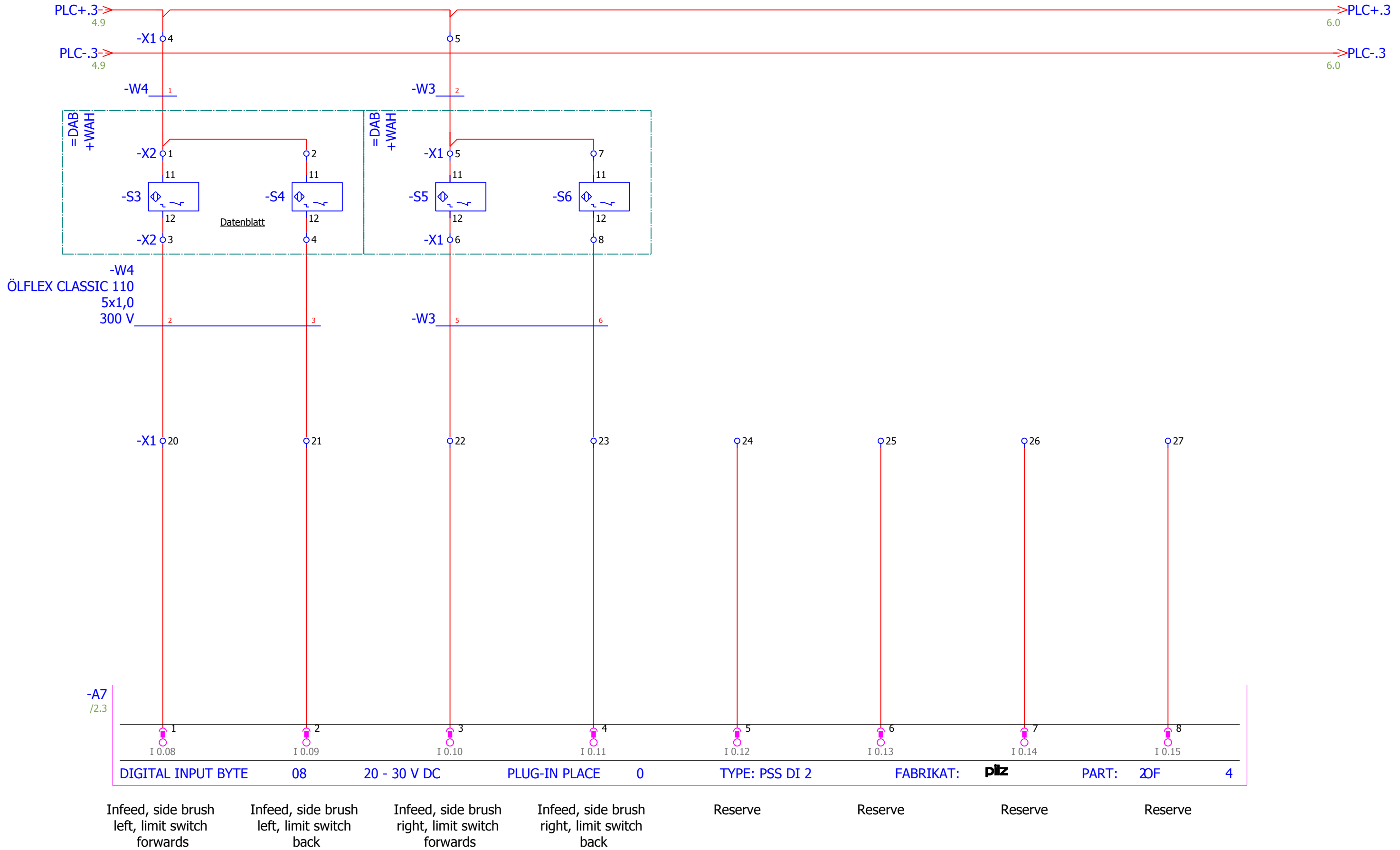
# PLC Profibus DP-Busstructure

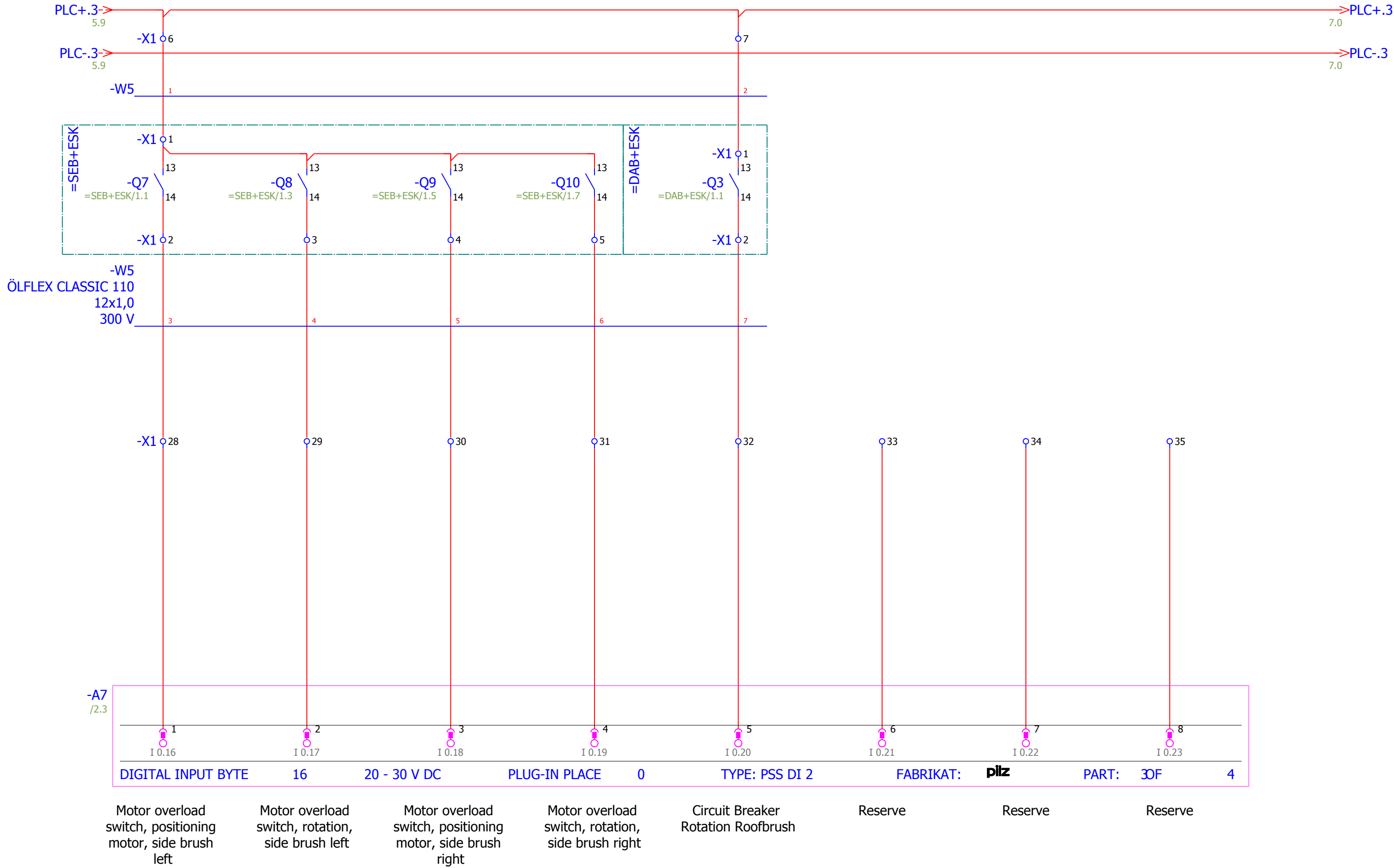


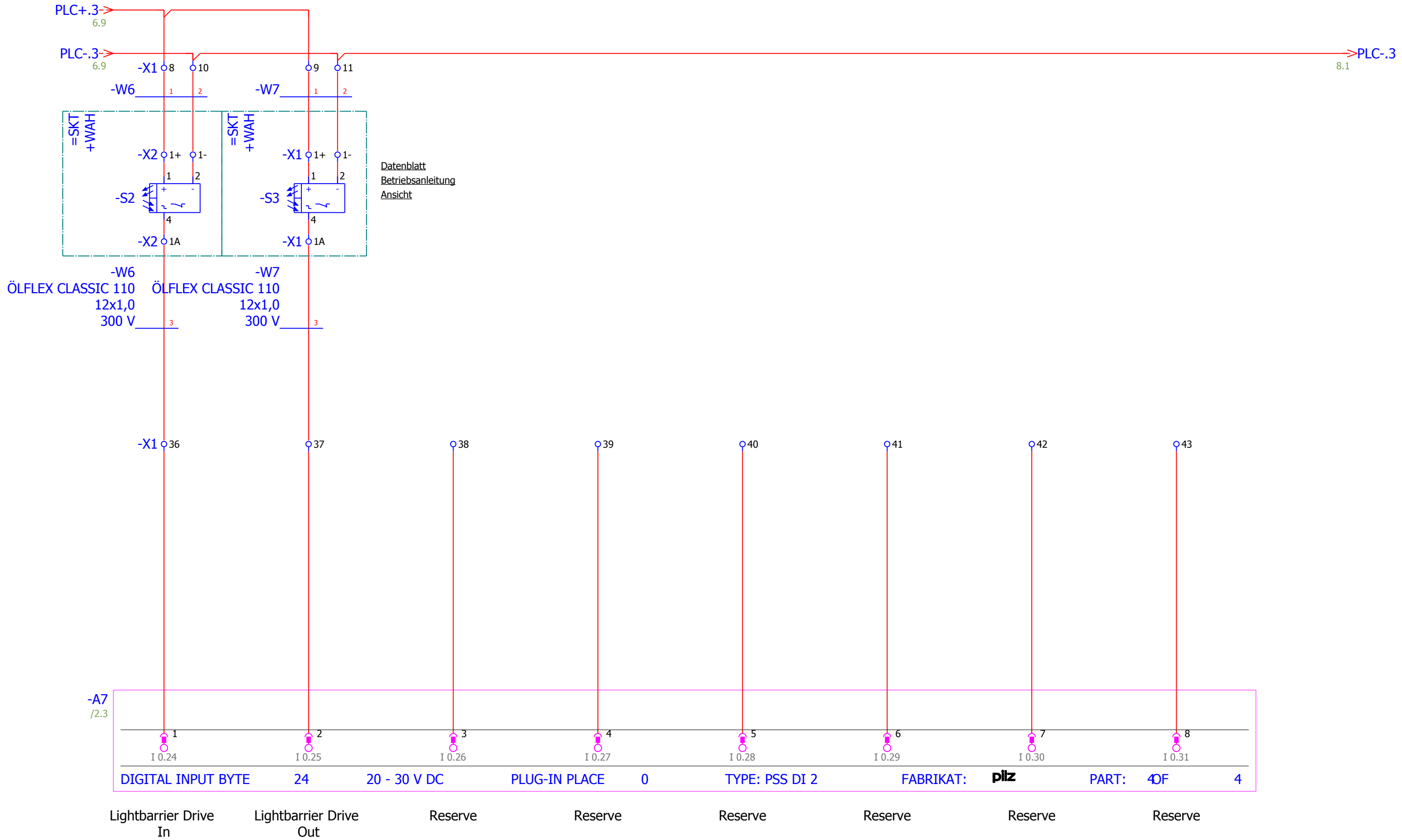
		Date	18.01.2007	Training Center		EPLAN Software & Service GmbH & Co. KG		Profibus DP Busstructure		= SPS	
		Ed. by	mte	CarWash P8						+ ASK	
		Appr		Replacement for		Replaced by				07-06-TZ-00	
Modification	Date	Name	Original							Page	3
										Pg	72



		Date	18.01.2007	Training Center		EPLAN Software & Service GmbH & Co. KG		Inputs Panel and Roofbrush		= SPS	
		Ed. by	mte	CarWash P8						+ ASK	
Modification	Date	Name	Original	Replacement for	Replaced by			07-06-TZ-00		Page	4
										Pg	72

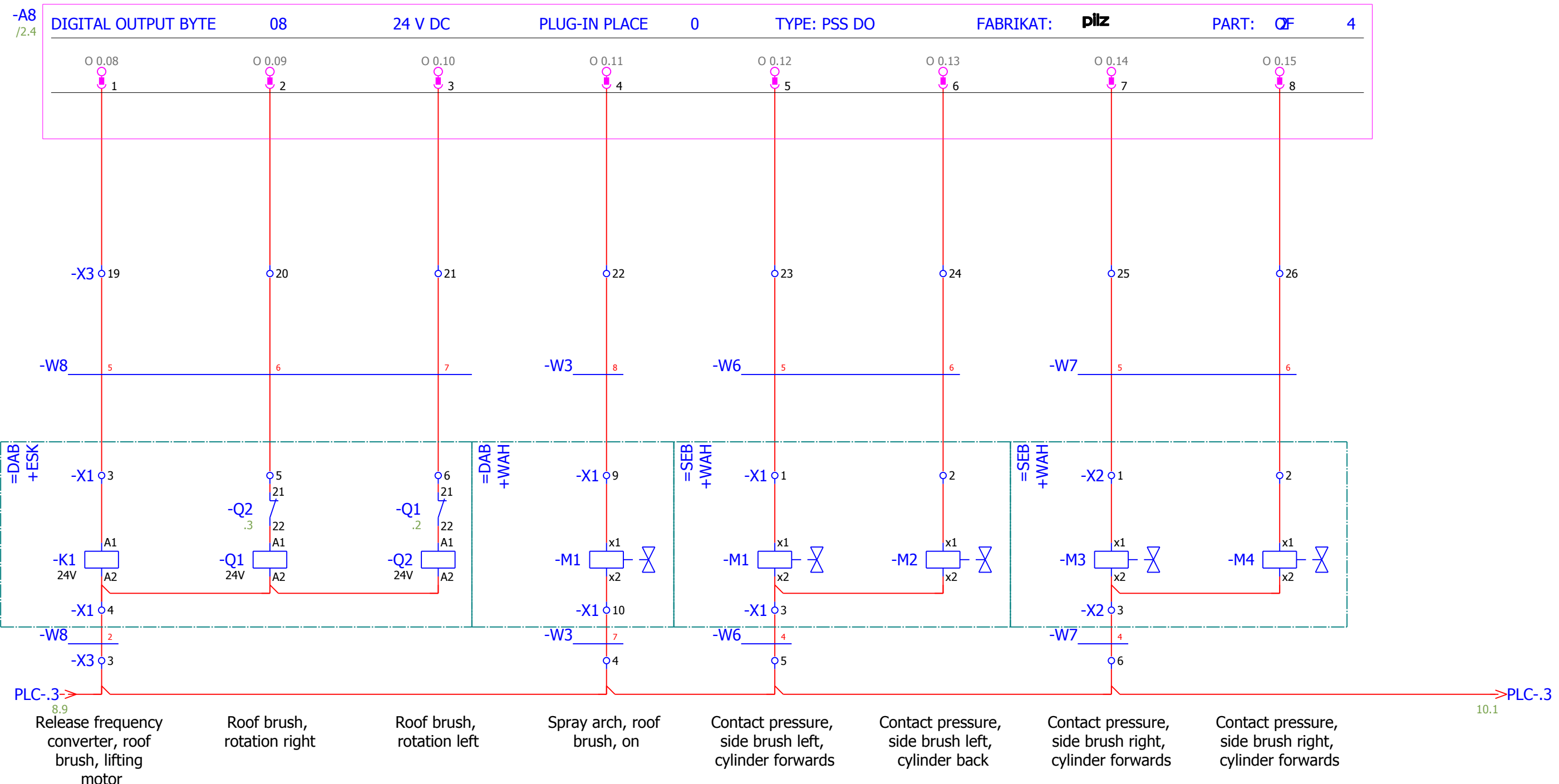




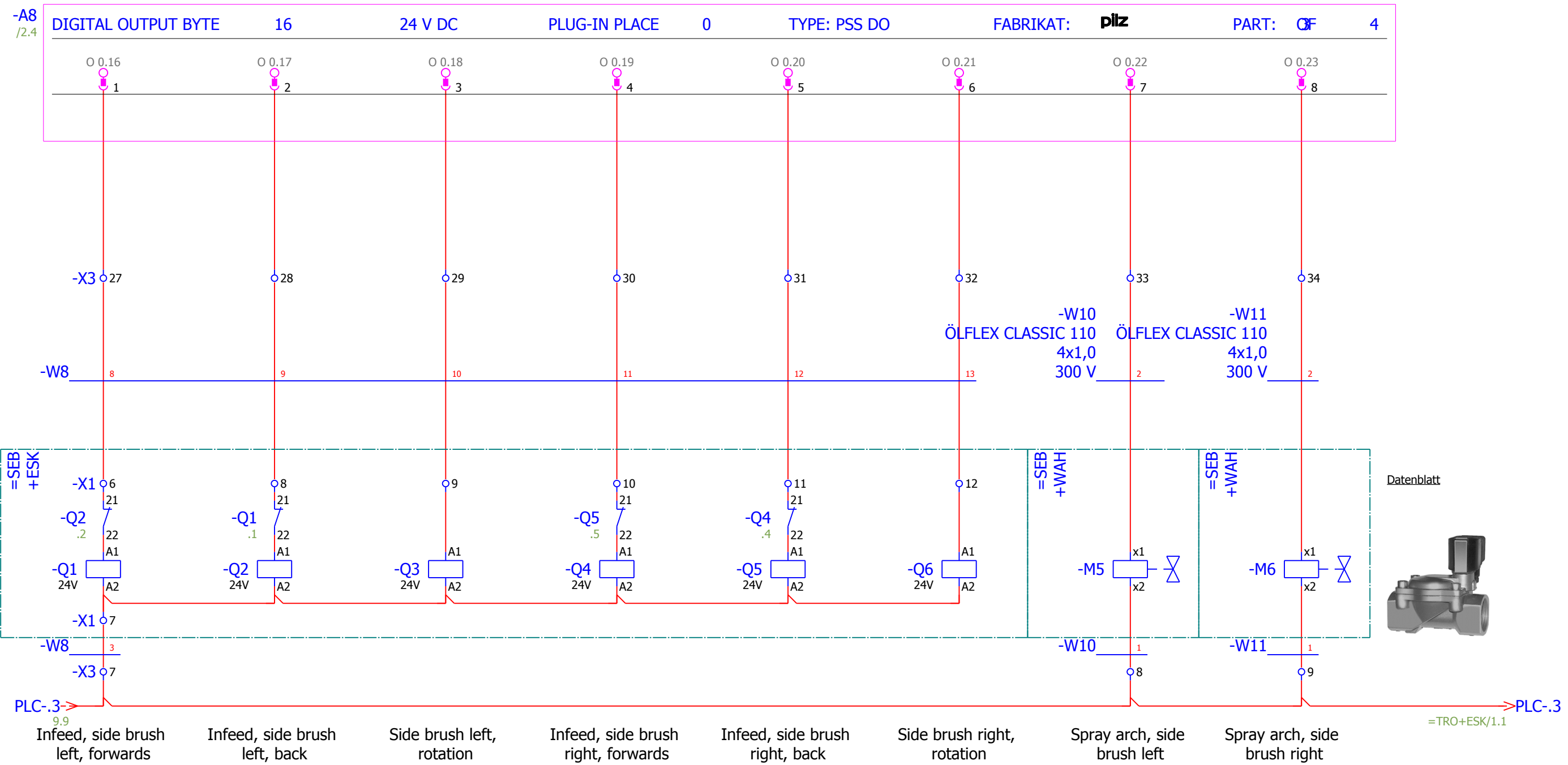


			Date	18.01.2007	Training Center		EPLAN Software & Service GmbH & Co. KG		Inputs Lightbarrier		= SPS
			Ed. by	mte	CarWash P8						+ ASK
			Appr		Replacement for		Replaced by				Page 7
Modification	Date	Name	Original						07-06-TZ-00		Pg 72

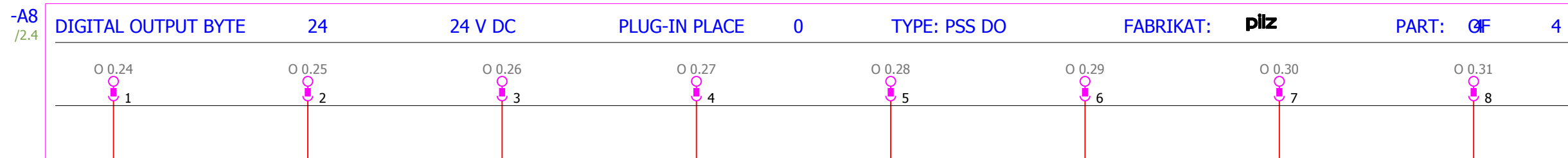




- |                  |                   |                   |
|------------------|-------------------|-------------------|
| MOE.052217       | SIE.3RT1015-1BB42 | SIE.3RT1015-1BB42 |
| 1 2 =DAB+ESK/1.3 | 1 2 =DAB+ESK/1.1  | 1 2 =DAB+ESK/1.2  |
| 3 4 =DAB+ESK/1.4 | 3 4 =DAB+ESK/1.1  | 3 4 =DAB+ESK/1.2  |
| 5 6 =DAB+ESK/1.4 | 5 6 =DAB+ESK/1.1  | 5 6 =DAB+ESK/1.3  |
|                  | 21 22 .3          | 21 22 .2          |



- |   |   |  |   |   |  |
|---|---|--|---|---|--|
| 3RT1015-1BB42<br>1 2 =SEB+ESK/1.1<br>3 4 =SEB+ESK/1.1<br>5 6 =SEB+ESK/1.1<br>21 22 .2 | SIE.3RT1015-1BB42<br>1 2 =SEB+ESK/1.2<br>3 4 =SEB+ESK/1.2<br>5 6 =SEB+ESK/1.2<br>21 22 .1 | SIE.3RT1015-1BB42<br>1 2 =SEB+ESK/1.3<br>3 4 =SEB+ESK/1.3<br>5 6 =SEB+ESK/1.3<br>21 22 | SIE.3RT1015-1BB42<br>1 2 =SEB+ESK/1.5<br>3 4 =SEB+ESK/1.6<br>5 6 =SEB+ESK/1.6<br>21 22 .5 | SIE.3RT1015-1BB42<br>1 2 =SEB+ESK/1.6<br>3 4 =SEB+ESK/1.6<br>5 6 =SEB+ESK/1.7<br>21 22 .4 | SIE.3RT1015-1BB42<br>1 2 =SEB+ESK/1.7<br>3 4 =SEB+ESK/1.7<br>5 6 =SEB+ESK/1.8<br>21 22 |
|---|---|--|---|---|--|



-X3 35      36      37      38      39      40      41      42

Reserve      Reserve      Reserve      Reserve      Reserve      Reserve      Reserve      Reserve

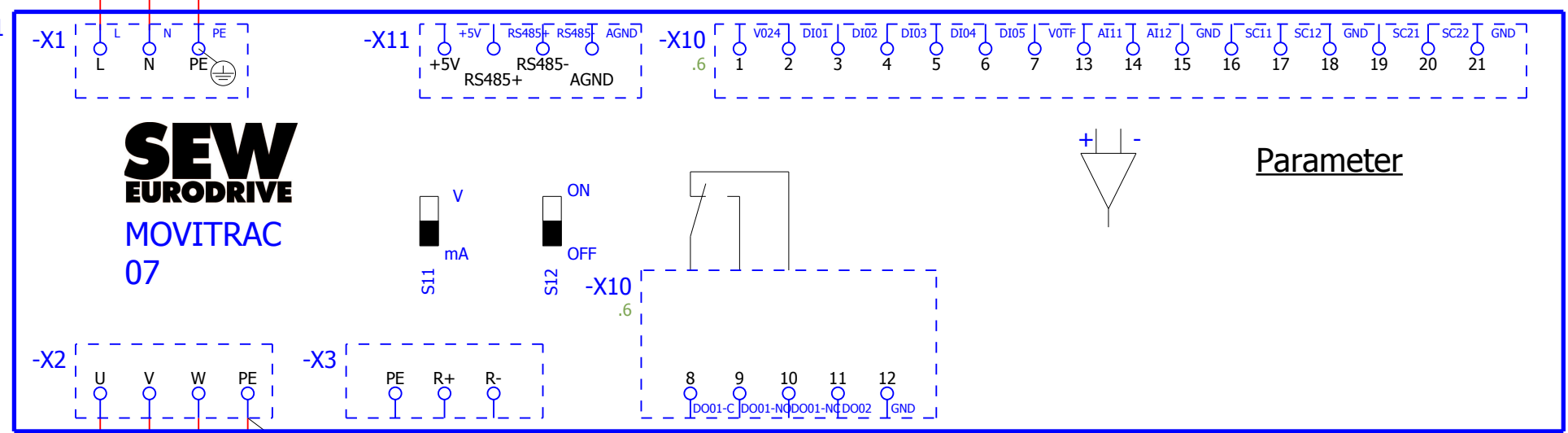
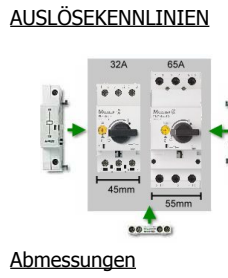
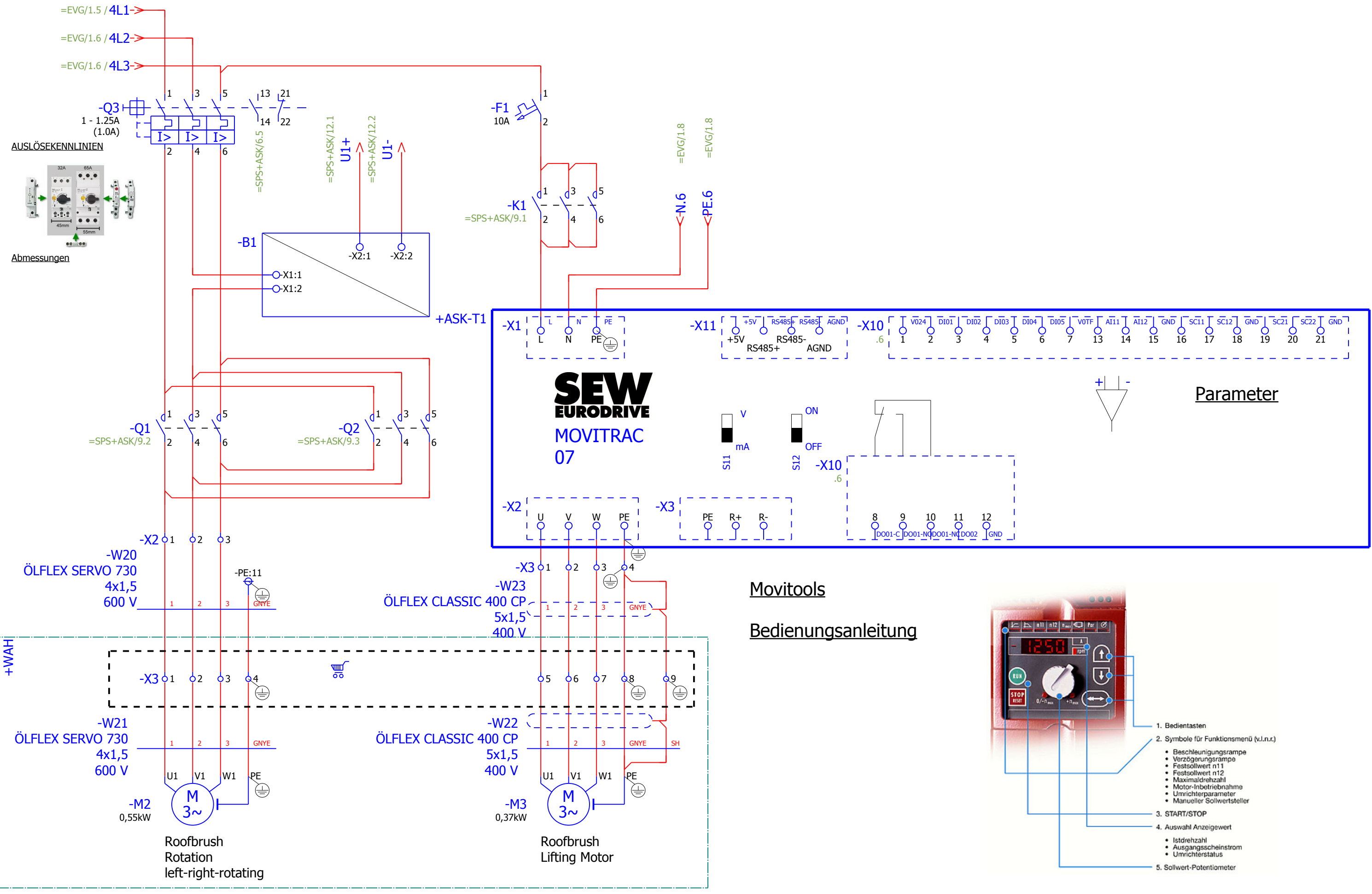
			Date	18.01.2007	Training Center		EPLAN Software & Service GmbH & Co. KG	PSS DO block display Order No. 301	= SPS	
			Ed. by	mte	CarWash P8				+ ASK	
			Appr							
Modification	Date	Name	Original		Replacement for	Replaced by			07-06-TZ-00	Page 11
										Pg 72











Parameter

Movitools  
Bedienungsanleitung

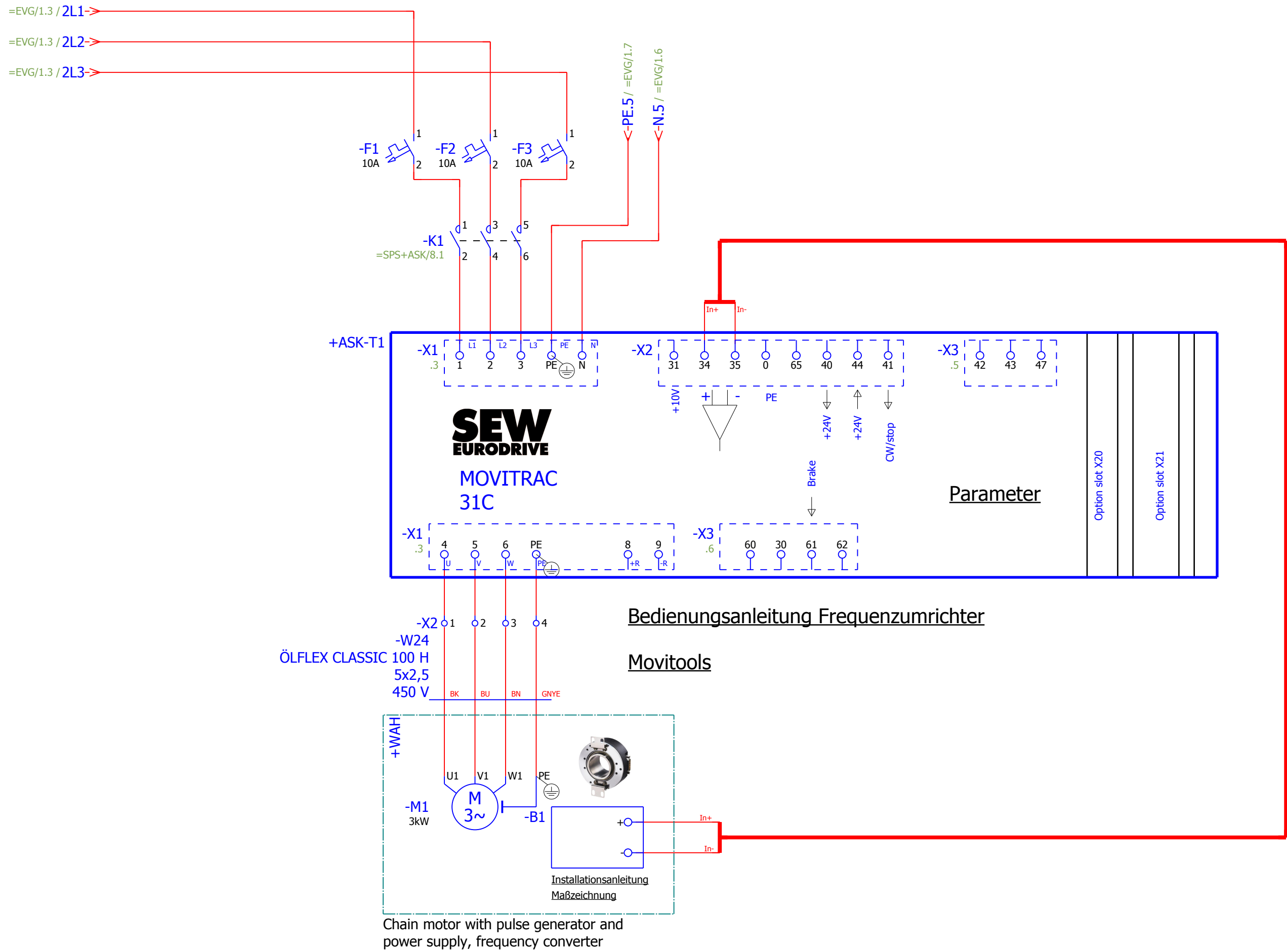


1. Bedientasten
2. Symbole für Funktionsmenü (v.l.n.r.)
  - Beschleunigungsrampe
  - Verzögerungsrampe
  - Festsollwert n11
  - Festsollwert n12
  - Maximaldrehzahl
  - Motor-Inbetriebnahme
  - Umrichterparameter
  - Manueller Sollwertsteller
3. START/STOP
4. Auswahl Anzeigewert
  - Ist-drehzahl
  - Ausgangs-scheinstrom
  - Umrichterstatus
5. Sollwert-Potentiometer

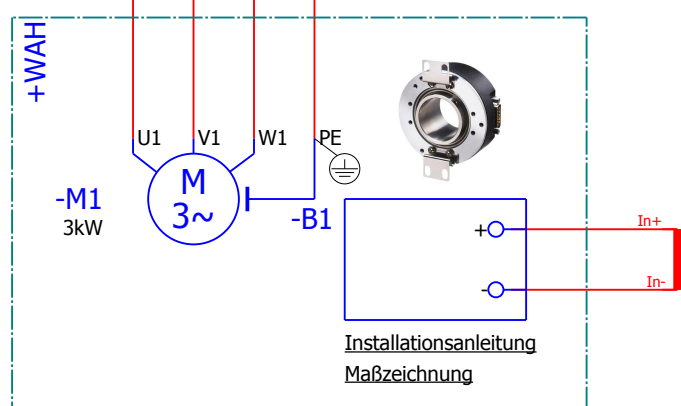
=SEB/1

=SKT/1

Date	18.01.2007	Training Center	EPLAN Software & Service GmbH & Co. KG	Roof Brushes	= DAB
Ed. by	mte	CarWash P8			+ ESK
Appr		Replacement for	Replaced by		
Modification	Date	Name	Original		07-06-TZ-00
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**Bedienungsanleitung Frequenzumrichter**  
**Movitools**



Chain motor with pulse generator and power supply, frequency converter

=DAB/1

=RWB+WAH/1

Modification		Date	Name	Original	Replacement for	Replaced by	EPLAN Software & Service GmbH & Co. KG		Dragchain		= SKT		Page 1	
											+ ESK		Pg 72	
											07-06-TZ-00			







# Terminal-strip overview

Terminal strip	Function text	Terminals					Terminal diagram page
		first	last	Total PE	Total N	Total number	
=EVG+ESK-X1		L1	PE	1	0	5	=DOKU+KLP/2
=EVG+ESK-X2		1	7	0	0	7	=DOKU+KLP/2
=EVG+ESK-X3		1	10	0	0	10	=DOKU+KLP/3
=SPS+ASK-X1		1	43	0	0	43	=DOKU+KLP/3
=SPS+ASK-X3		1	44	0	0	44	=DOKU+KLP/3
=SPS+ASK-X4		1	24	0	0	24	=DOKU+KLP/3
=SPS+ESK-X1		1	14	0	0	14	=DOKU+KLP/4
=SPS+PLT-X2		1	5	0	0	5	=DOKU+KLP/4
=SEB+ESK-X1		1	12	0	0	12	=DOKU+KLP/5
=SEB+ESK-X2		1	12	0	0	12	=DOKU+KLP/5
=SEB+WAH-X1		1	3	0	0	3	=DOKU+KLP/6
=SEB+WAH-X2		1	3	0	0	3	=DOKU+KLP/6
=SEB+WAH-X3		1	8	2	0	8	=DOKU+KLP/7
=SEB+WAH-X4		1	8	2	0	8	=DOKU+KLP/7
=DAB+ESK-X1		1	6	0	0	6	=DOKU+KLP/8
=DAB+ESK-X2		1	3	0	0	3	=DOKU+KLP/8
=DAB+ESK-X3		1	4	1	0	4	=DOKU+KLP/9
=DAB+WAH-X1		1	10	0	0	10	=DOKU+KLP/9
=DAB+WAH-X2		1	4	0	0	4	=DOKU+KLP/10
=DAB+WAH-X3		1	9	3	0	9	=DOKU+KLP/10
=SKT+ESK-X1		1	2	0	0	2	=DOKU+KLP/11
=SKT+ESK-X2		1	4	1	0	4	=DOKU+KLP/11
=SKT+WAH-X1		1	1+	0	0	5	=DOKU+KLP/12
=SKT+WAH-X2		1A	1+	0	0	3	=DOKU+KLP/12
=TRO+ESK-X1		1	PE	2	0	8	=DOKU+KLP/13

=TRO+ESK/1

2

			Date	18.01.2007	Training Center	EPLAN Software & Service GmbH & Co. KG	Terminal Overview : =EVG+ESK-X1 - =TRO+ESK-X1	= DOKU + KLP	
			Ed. by	mte	CarWash P8				
			Appr						
Modification	Date	Name	Original		Replacement for	Replaced by		07-06-TZ-00	Page 1 Pg 72



# Terminal diagram

Function text	Target designation to	Connection point	Terminal	Target designation to	Connection point	Page / column
=EVG+ESK-X3						
PSS PS 24 301 051	=SPS-X1	1	1	-Q2	Y11	/2.6
PSS BMP 8 301 005	=SPS-X1	7	2			/2.6
Pulse Counter Chain	=SPS+ASK-X1	1	3			/2.6
			4	-F10	2	/2.6
PSS PS 24 301 051	=SPS-X1	8	5	-T2	32	/2.7
PSS BMP 8 301 005	=SPS-X1	14	6			/2.7
Lightbarrier Drive In	=SPS+ASK-X1	10	7			/2.7
			8			/2.7
			9	-F11	2	/2.8
			10	-F11	4	/2.9

Function text	Target designation to	Connection point	Terminal	Target designation to	Connection point	Page / column
=SPS+ASK-X1						
Pulse Counter Chain	=SKT+WAH-X1	1	1	=EVG+ESK-X3	3	/4.1
Program 1 start	-X2	5	2			/4.2
Roof brush, position switch, bottom	=DAB+WAH-X1	1	3			/4.7
Infeed, side brush left, limit switch forwards	=DAB+WAH-X2	1	4			/5.1
Infeed, side brush right, limit switch forwards	=DAB+WAH-X1	5	5			/5.3
Motor overload switch, positioning motor, side brush left	=SEB+ESK-X1	1	6			/6.1
Circuit Breaker Rotation Roofbrush	=DAB+ESK-X1	1	7			/6.5
Lightbarrier Drive In	=SKT+WAH-X2	1+	8			/7.1
Lightbarrier Drive Out	=SKT+WAH-X1	1+	9			/7.2
Lightbarrier Drive In	=SKT+WAH-X2	1-	10	=EVG+ESK-X3	7	/7.1
Lightbarrier Drive Out	=SKT+WAH-X1	1-	11	-X3	1	/7.2
Pulse Counter Chain	=SKT+WAH-X1	2	12	-A7	1	/4.1
Program 1 start	-X2	1	13	-A7	2	/4.2
Program 2 start	-X2	2	14	-A7	3	/4.3
Program 3 start	-X2	3	15	-A7	4	/4.4
Program stop	-X2	4	16	-A7	5	/4.5
			17	-A7	6	/4.6
Roof brush, position switch, bottom	=DAB+WAH-X1	2	18	-A7	7	/4.7
Roof brush, position switch, top	=DAB+WAH-X1	4	19	-A7	8	/4.8
Infeed, side brush left, limit switch forwards	=DAB+WAH-X2	3	20	-A7	1	/5.1
Infeed, side brush left, limit switch back	=DAB+WAH-X2	4	21	-A7	2	/5.2
Infeed, side brush right, limit switch forwards	=DAB+WAH-X1	6	22	-A7	3	/5.3
Infeed, side brush right, limit switch back	=DAB+WAH-X1	8	23	-A7	4	/5.4
			24	-A7	5	/5.5
			25	-A7	6	/5.6
			26	-A7	7	/5.7

		Date	18.01.2007	Training Center		EPLAN Software & Service GmbH & Co. KG		Terminalstrip Diagram : =EVG+ESK-X3 : =SPS+ASK-X1		= DOKU + KLP	
		Ed. by	mte	CarWash P8						07-06-TZ-00	
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										Pg	72

# Terminal diagram

Function text	Target designation to	Connection point	Terminal	Target designation to	Connection point	Page / column
=SPS+ASK-X1						
			27	-A7	8	/5.8
Motor overload switch, positioning motor, side brush left	=SEB+ESK-X1	2	28	-A7	1	/6.1
Motor overload switch, rotation, side brush left	=SEB+ESK-X1	3	29	-A7	2	/6.2
Motor overload switch, positioning motor, side brush right	=SEB+ESK-X1	4	30	-A7	3	/6.3
Motor overload switch, rotation, side brush right	=SEB+ESK-X1	5	31	-A7	4	/6.4
Circuit Breaker Rotation Roofbrush	=DAB+ESK-X1	2	32	-A7	5	/6.5
			33	-A7	6	/6.6
			34	-A7	7	/6.7
			35	-A7	8	/6.8
Lightbarrier Drive In	=SKT+WAH-X2	1A	36	-A7	1	/7.1
Lightbarrier Drive Out	=SKT+WAH-X1	1A	37	-A7	2	/7.2
			38	-A7	3	/7.3
			39	-A7	4	/7.4
			40	-A7	5	/7.5
			41	-A7	6	/7.6
			42	-A7	7	/7.7
			43	-A7	8	/7.8

Function text	Target designation to	Connection point	Terminal	Target designation to	Connection point	Page / column
=SPS+ASK-X3						
Release Frequency Converter	=SKT+ESK-X1	1	1	-X1	11	/8.1
Program 1 start	+PLT-X2	2	2			/8.2
Release frequency converter, roof brush, lifting motor	=DAB+ESK-X1	4	3			/9.1
Spray arch, roof brush, on	=DAB+WAH-X1	10	4			/9.4
Contact pressure, side brush left, cylinder forwards	=SEB+WAH-X1	3	5			/9.5
Contact pressure, side brush right, cylinder forwards	=SEB+WAH-X2	3	6			/9.6
Infeed, side brush left, forwards	=SEB+ESK-X1	7	7			/10.1
Spray arch, side brush left	=SEB+WAH-M5	x2	8			/10.6
	=SEB+WAH-M6	x2	9			/10.7
Fan 1 on	=TRO+ESK-Q1	A2	10			=TRO+ESK/1.1
Release Frequency Converter	=SKT+ESK-X1	2	11	-A8	1	/8.1
Program 1 start	+PLT-X2	1	12	-A8	2	/8.2
Program 2 start	+PLT-X2	3	13	-A8	3	/8.3
Program 3 start	+PLT-X2	4	14	-A8	4	/8.4
Program stop	+PLT-X2	5	15	-A8	5	/8.5
			16	-A8	6	/8.6
			17	-A8	7	/8.6
			18	-A8	8	/8.7
Release frequency converter, roof brush, lifting motor	=DAB+ESK-X1	3	19	-A8	1	/9.1
Roof brush, rotation right	=DAB+ESK-X1	5	20	-A8	2	/9.2
Roof brush, rotation left	=DAB+ESK-X1	6	21	-A8	3	/9.3
Spray arch, roof brush, on	=DAB+WAH-X1	9	22	-A8	4	/9.4
Contact pressure, side brush left, cylinder forwards	=SEB+WAH-X1	1	23	-A8	5	/9.5
Contact pressure, side brush left, cylinder back	=SEB+WAH-X1	2	24	-A8	6	/9.6
Contact pressure, side brush right, cylinder forwards	=SEB+WAH-X2	1	25	-A8	7	/9.6
=	=SEB+WAH-X2	2	26	-A8	8	/9.7

			Date	18.01.2007	Training Center		EPLAN Software & Service GmbH & Co. KG		Terminalstrip Diagram : =SPS+ASK-X1 : =SPS+ASK-X3		= DOKU + KLP	
			Ed. by	mte	CarWash P8						Page 3.1	
			Appr		Replacement for		Replaced by				Pg 72	
Modification	Date	Name	Original						07-06-TZ-00			

# Terminal diagram

Function text	Target designation to	Connection point	Terminal	Target designation to	Connection point	Page / column
=SPS+ASK-X3						
Infeed, side brush left, forwards	=SEB+ESK-X1	6	27	-A8	1	/10.1
Infeed, side brush left, back	=SEB+ESK-X1	8	28	-A8	2	/10.2
Side brush left, rotation	=SEB+ESK-X1	9	29	-A8	3	/10.3
Infeed, side brush right, forwards	=SEB+ESK-X1	10	30	-A8	4	/10.4
Infeed, side brush right, back	=SEB+ESK-X1	11	31	-A8	5	/10.5
Side brush right, rotation	=SEB+ESK-X1	12	32	-A8	6	/10.6
Spray arch, side brush left	=SEB+WAH-M5	x1	33	-A8	7	/10.6
	=SEB+WAH-M6	x1	34	-A8	8	/10.7
			35	-A8	1	/11.1
			36	-A8	2	/11.2
			37	-A8	3	/11.3
			38	-A8	4	/11.4
			39	-A8	5	/11.5
			40	-A8	6	/11.6
			41	-A8	7	/11.6
			42	-A8	8	/11.7
Fan 1 on	=TRO+ESK-Q1	A1	43	-A10	1	=TRO+ESK/1.1
Fan 2 on	=TRO+ESK-Q2	A1	44	-A10	2	=TRO+ESK/1.2

Function text	Target designation to	Connection point	Terminal	Target designation to	Connection point	Page / column
=SPS+ASK-X4						
	=DAB+ESK-B1	-X2:1	1	-A9	1	/12.1
	=DAB+ESK-B1	-X2:2	2	-A9	2	/12.2
			3	-A9	3	/12.3
			4	-A9	4	/12.4
			5	-A9	5	/12.5
			6	-A9	6	/12.6
			7	-A9	7	/12.7
			8	-A9	8	/12.8
	=SEB+ESK-B1	-X2:1	9	-A9	1	/13.1
	=SEB+ESK-B1	-X2:2	10	-A9	2	/13.2
			11	-A9	3	/13.3
			12	-A9	4	/13.4
	=SEB+ESK-B2	-X2:1	13	-A9	5	/13.5
	=SEB+ESK-B2	-X2:2	14	-A9	6	/13.6
			15	-A9	7	/13.7
			16	-A9	8	/13.8
			17	-A9	1	/14.1
			18	-A9	2	/14.2
			19	-A9	3	/14.3
			20	-A9	4	/14.4
			21	-A9	5	/14.5
			22	-A9	6	/14.6
			23	-A9	7	/14.7
			24	-A9	8	/14.8

# Terminal diagram

Function text	Target designation to	Connection point	Terminal	Target designation to	Connection point	Page / column
=SPS+ESK-X1						
Control Voltage 24V DC	=EVG-X3	1	1	+ASK-A4	24V	+ASK/2.1
			2			+ASK/2.3
			3	+ASK-A8	9	+ASK/2.4
			4	+ASK-A9	9	+ASK/2.5
			5	+ASK-A10	9	+ASK/2.5
			6			+ASK/2.6
Control Voltage 24V DC	=EVG-X3	2	7	+ASK-A1	24V	+ASK/1.1
Supply PLC 24V DC	=EVG-X3	5	8	+ASK-A4	0V	+ASK/2.1
			9	+ASK-A7	10	+ASK/2.3
			10	+ASK-A8	10	+ASK/2.4
			11	+ASK-A9	10	+ASK/2.5
			12	+ASK-A10	10	+ASK/2.5
			13	+ASK-A11	10	+ASK/2.6
Supply PLC 24V DC	=EVG-X3	6	14	+ASK-A1	0V	+ASK/1.1

Function text	Target designation to	Connection point	Terminal	Target designation to	Connection point	Page / column
=SPS+PLT-X2						
Program 1 start	+ASK-X3	12	1	-P1	x1	+ASK/8.2
=	+ASK-X3	2	2	-P1	x2	+ASK/8.2
Program 2 start	+ASK-X3	13	3	-P2	x1	+ASK/8.3
Program 3 start	+ASK-X3	14	4	-P3	x1	+ASK/8.4
Program stop	+ASK-X3	15	5	-P4	x1	+ASK/8.5

		Date	18.01.2007	Training Center		EPLAN Software & Service GmbH & Co. KG		Terminalstrip Diagram : =SPS+ESK-X1 : =SPS+PLT-X2		= DOKU	
		Ed. by	mte	CarWash P8						+ KLP	
Modification	Date	Name	Original	Replacement for	Replaced by			07-06-TZ-00		Page	4
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# Terminal diagram

Function text	Target designation to	Connection point	Terminal	Target designation to	Connection point	Page / column
=SEB+WAH-X3						
Positioning motor, side brush left	-M7	U1	1	+ESK-X2	1	+ESK/1.1
=	-M7	V1	2	+ESK-X2	2	+ESK/1.1
=	-M7	W1	3	+ESK-X2	3	+ESK/1.1
=	-M7	PE	4	PE	1	+ESK/1.2
Rotation, side brush left	-M8	U1	5	+ESK-X2	4	+ESK/1.3
=	-M8	V1	6	+ESK-X2	5	+ESK/1.3
=	-M8	W1	7	+ESK-X2	6	+ESK/1.3
=	-M8	PE	8	PE	1	+ESK/1.4

Function text	Target designation to	Connection point	Terminal	Target designation to	Connection point	Page / column
=SEB+WAH-X4						
Positioning motor, side brush right	-M9	U1	1	+ESK-X2	7	+ESK/1.5
=	-M9	V1	2	+ESK-X2	8	+ESK/1.6
=	-M9	W1	3	+ESK-X2	9	+ESK/1.6
=	-M9	PE	4	PE	1	+ESK/1.6
Rotation, side brush right	-M10	U1	5	+ESK-X2	11	+ESK/1.7
=	-M10	V1	6	+ESK-X2	10	+ESK/1.7
=	-M10	W1	7	+ESK-X2	12	+ESK/1.8
=	-M10	PE	8	PE	1	+ESK/1.8

		Date	18.01.2007	Training Center		EPLAN Software & Service GmbH & Co. KG		Terminalstrip Diagram : =SEB+WAH-X3 : =SEB+WAH-X4		= DOKU	
		Ed. by	mte	CarWash P8						+ KLP	
Modification	Date	Name	Original	Replacement for	Replaced by			07-06-TZ-00		Page	7
										Pg	72

# Terminal diagram

Function text	Target designation to	Connection point	Terminal	Target designation to	Connection point	Page / column
=DAB+ESK-X1						
Circuit Breaker Rotation Roofbrush	=SPS+ASK-X1	7	1	-Q3	13	=SPS+ASK/6.5
=	=SPS+ASK-X1	32	2	-Q3	14	=SPS+ASK/6.5
Release frequency converter, roof brush, lifting motor	=SPS+ASK-X3	19	3	-K1	A1	=SPS+ASK/9.1
=	=SPS+ASK-X3	3	4	-K1	A2	=SPS+ASK/9.1
Roof brush, rotation right	=SPS+ASK-X3	20	5	-Q2	21	=SPS+ASK/9.2
Roof brush, rotation left	=SPS+ASK-X3	21	6	-Q1	21	=SPS+ASK/9.3

Function text	Target designation to	Connection point	Terminal	Target designation to	Connection point	Page / column
=DAB+ESK-X2						
Roofbrush Rotation left-right-rotating	+WAH-X3	1	1	-Q1	2	/1.1
=	+WAH-X3	2	2	-Q1	4	/1.1
=	+WAH-X3	3	3	-Q1	6	/1.1

		Date	18.01.2007	Training Center		EPLAN Software & Service GmbH & Co. KG		Terminalstrip Diagram : =DAB+ESK-X1 : =DAB+ESK-X2		= DOKU	
		Ed. by	mte	CarWash P8						+ KLP	
Modification	Date	Name	Original	Replacement for	Replaced by			07-06-TZ-00		Page	8
										Pg	72





# Terminal diagram

Function text	Target designation to	Connection point	Terminal	Target designation to	Connection point	Page / column
=SKT+ESK-X1						
Release Frequency Converter	=SPS+ASK-X3	1	1	-K1	A2	=SPS+ASK/8.1
=	=SPS+ASK-X3	11	2	-K1	A1	=SPS+ASK/8.1

Function text	Target designation to	Connection point	Terminal	Target designation to	Connection point	Page / column
=SKT+ESK-X2						
	+WAH-M1	U1	1	+ASK-T1-X1	4	/1.3
	+WAH-M1	V1	2	+ASK-T1-X1	5	/1.3
	+WAH-M1	W1	3	+ASK-T1-X1	6	/1.3
	+WAH-M1	PE	4	+ASK-T1-X1	PE	/1.4

			Date	18.01.2007	Training Center		EPLAN Software & Service GmbH & Co. KG	Terminalstrip Diagram : =SKT+ESK-X1 : =SKT+ESK-X2	= DOKU	
			Ed. by	mte	CarWash P8				+ KLP	
Modification	Date	Name	Original		Replacement for	Replaced by			07-06-TZ-00	Page 11 Pg 72



# Terminal diagram

Function text	Target designation to	Connection point	Terminal	Target designation to	Connection point	Page / column
=TRO+ESK-X1						
Fan 1	+WAH-M1	U1	1	-Q1	2	/1.5
=	+WAH-M1	V1	2	-Q1	4	/1.5
=	+WAH-M1	W1	3	-Q1	6	/1.6
=	+WAH-M1	PE	PE	PE	1	/1.6
Fan 2	+WAH-M2	U1	4	-Q2	2	/1.8
=	+WAH-M2	V1	5	-Q2	4	/1.8
=	+WAH-M2	W1	6	-Q2	6	/1.8
=	+WAH-M2	PE	PE	PE	1	/1.8

			Date	18.01.2007	Training Center	EPLAN Software & Service GmbH & Co. KG	Terminalstrip Diagram : =TRO+ESK-X1	= DOKU		
			Ed. by	mte	CarWash P8			+ KLP		
Modification	Date	Name	Original		Replacement for	Replaced by			07-06-TZ-00	Page 13 Pg 72



# Cable overview

Cable designation	from	to	Cable type	Conductors	∅	Length	Remark
W20	=DAB+ESK-X2	=DAB+WAH-X3	ÖLFLEX SERVO 730	4	1,5		
	PE						
W21	=DAB+WAH-X3	=DAB+WAH-M2	ÖLFLEX SERVO 730	4	1,5		
W22	=DAB+WAH-X3	=DAB+WAH-M3	ÖLFLEX CLASSIC 400 CP	5	1,5		
W23	=DAB+ESK-X3	=DAB+WAH-X3	ÖLFLEX CLASSIC 400 CP	5	1,5		
W24	=SKT+ESK-X2	=SKT+WAH-M1	ÖLFLEX CLASSIC 100 H	5	2,5		
W25	=SPS+ASK-X3	=TRO+ESK-Q1	ÖLFLEX CLASSIC 110	4	1,0		
		=TRO+ESK-Q2					
W26	=TRO+ESK-X1	=TRO+WAH-M1	ÖLFLEX CLASSIC 100 H	5	2,5		
W27	=TRO+ESK-X1	=TRO+WAH-M2	ÖLFLEX CLASSIC 100 H	5	2,5		

			Date	18.01.2007	Training Center	EPLAN Software & Service GmbH & Co. KG	Cable Overview : W20 - W27		= DOKU
			Ed. by	mte					+ KBP
			Appr		CarWash P8				
Modification	Date	Name	Original		Replacement for	Replaced by		07-06-TZ-00	Page 1.1 Pg 72

# Cable diagram

Cable name W1			Cable type ÖLFLEX CLASSIC 110					
Remark			No. of conductors 4			Cross-section 1,0		Cable length
Function text	Page / column	Target designation from	Connection point	Conductor	Target designation to	Connection point	Page / column	Function text
Pulse Counter Chain	=SPS+ASK/4.1	=SPS+ASK-X1	1	1	=SKT+WAH-X1	1	=SPS+ASK/4.1	Pulse Counter Chain
=	=SPS+ASK/4.1	=SPS+ASK-X1	12	2	=SKT+WAH-X1	2	=SPS+ASK/4.1	=
				3				
				GNYE				
Cable name W2			Cable type ÖLFLEX CLASSIC 110					
Remark			No. of conductors 12			Cross-section 1,0		Cable length
Function text	Page / column	Target designation from	Connection point	Conductor	Target designation to	Connection point	Page / column	Function text
Program 1 start	=SPS+ASK/4.2	=SPS+ASK-X2	1	1	=SPS+PLT-X1	1	=SPS+ASK/4.2	Program 1 start
Program 2 start	=SPS+ASK/4.3	=SPS+ASK-X2	2	2	=SPS+PLT-X1	2	=SPS+ASK/4.3	Program 2 start
Program 3 start	=SPS+ASK/4.4	=SPS+ASK-X2	3	3	=SPS+PLT-X1	3	=SPS+ASK/4.4	Program 3 start
Program stop	=SPS+ASK/4.5	=SPS+ASK-X2	4	4	=SPS+PLT-X1	4	=SPS+ASK/4.5	Program stop
Program 1 start	=SPS+ASK/4.2	=SPS+ASK-X2	5	5	=SPS+PLT-X1	5	=SPS+ASK/4.2	Program 1 start
				6				
				7				
				8				
				9				
				10				
				11				
				GNYE				
Cable name W3			Cable type ÖLFLEX CLASSIC 110					
Remark			No. of conductors 16			Cross-section 1,0		Cable length
Function text	Page / column	Target designation from	Connection point	Conductor	Target designation to	Connection point	Page / column	Function text
Roof brush, position switch, bottom	=SPS+ASK/4.7	=SPS+ASK-X1	3	1	=DAB+WAH-X1	1	=SPS+ASK/4.7	Roof brush, position switch, bottom
Infeed, side brush right, limit switch forwards	=SPS+ASK/5.3	=SPS+ASK-X1	5	2	=DAB+WAH-X1	5	=SPS+ASK/5.3	Infeed, side brush right, limit switch forwards
Roof brush, position switch, bottom	=SPS+ASK/4.7	=SPS+ASK-X1	18	3	=DAB+WAH-X1	2	=SPS+ASK/4.7	Roof brush, position switch, bottom

1.1

2.1

		Date	18.01.2007	Training Center		EPLAN Software & Service GmbH & Co. KG		Cable Diagram : W1 : W2 : W3		= DOKU + KBP	
		Ed. by	mte	CarWash P8						Page 2	
		Appr		Replacement for		Replaced by				Pg 72	
Modification	Date	Name	Original					07-06-TZ-00			

# Cable diagram

Cable name W3			Cable type ÖLFLEX CLASSIC 110					
Remark			No. of conductors 16			Cross-section 1,0		Cable length
Function text	Page / column	Target designation from	Connection point	Conductor	Target designation to	Connection point	Page / column	Function text
Roof brush, position switch, top	=SPS+ASK/4.8	=SPS+ASK-X1	19	4	=DAB+WAH-X1	4	=SPS+ASK/4.8	Roof brush, position switch, top
Infeed, side brush right, limit switch forwards	=SPS+ASK/5.3	=SPS+ASK-X1	22	5	=DAB+WAH-X1	6	=SPS+ASK/5.3	Infeed, side brush right, limit switch forwards
Infeed, side brush right, limit switch back	=SPS+ASK/5.4	=SPS+ASK-X1	23	6	=DAB+WAH-X1	8	=SPS+ASK/5.4	Infeed, side brush right, limit switch back
Spray arch, roof brush, on	=SPS+ASK/9.4	=SPS+ASK-X3	4	7	=DAB+WAH-X1	10	=SPS+ASK/9.4	Spray arch, roof brush, on
=	=SPS+ASK/9.4	=SPS+ASK-X3	22	8	=DAB+WAH-X1	9	=SPS+ASK/9.4	=
				9				
				10				
				11				
				12				
				13				
				14				
				15				
				GNYE				
Cable name W4			Cable type ÖLFLEX CLASSIC 110					
Remark			No. of conductors 5			Cross-section 1,0		Cable length
Function text	Page / column	Target designation from	Connection point	Conductor	Target designation to	Connection point	Page / column	Function text
Infeed, side brush left, limit switch forwards	=SPS+ASK/5.1	=SPS+ASK-X1	4	1	=DAB+WAH-X2	1	=SPS+ASK/5.1	Infeed, side brush left, limit switch forwards
=	=SPS+ASK/5.1	=SPS+ASK-X1	20	2	=DAB+WAH-X2	3	=SPS+ASK/5.1	=
Infeed, side brush left, limit switch back	=SPS+ASK/5.2	=SPS+ASK-X1	21	3	=DAB+WAH-X2	4	=SPS+ASK/5.2	Infeed, side brush left, limit switch back
				4				
				GNYE				

			Date	18.01.2007	Training Center	EPLAN Software & Service GmbH & Co. KG	Cable Diagram : W3 : W4		= DOKU
			Ed. by	mte	CarWash P8				+ KBP
			Appr		Replacement for	Replaced by		07-06-TZ-00	Page 2.1
Modification	Date	Name	Original						Pg 72





# Cable diagram

Cable name W8			Cable type ÖLFLEX CLASSIC 110					
Remark			No. of conductors 16			Cross-section 1,0		Cable length
Function text	Page / column	Target designation from	Connection point	Conductor	Target designation to	Connection point	Page / column	Function text
Release Frequency Converter	=SPS+ASK/8.1	=SPS+ASK-X3	1	1	=SKT+ESK-X1	1	=SPS+ASK/8.1	Release Frequency Converter
Release frequency converter, roof brush, lifting motor	=SPS+ASK/9.1	=SPS+ASK-X3	3	2	=DAB+ESK-X1	4	=SPS+ASK/9.1	Release frequency converter, roof brush, lifting motor
Infeed, side brush left, forwards	=SPS+ASK/10.1	=SPS+ASK-X3	7	3	=SEB+ESK-X1	7	=SPS+ASK/10.1	Infeed, side brush left, forwards
Release Frequency Converter	=SPS+ASK/8.1	=SPS+ASK-X3	11	4	=SKT+ESK-X1	2	=SPS+ASK/8.1	Release Frequency Converter
Release frequency converter, roof brush, lifting motor	=SPS+ASK/9.1	=SPS+ASK-X3	19	5	=DAB+ESK-X1	3	=SPS+ASK/9.1	Release frequency converter, roof brush, lifting motor
Roof brush, rotation right	=SPS+ASK/9.2	=SPS+ASK-X3	20	6	=DAB+ESK-X1	5	=SPS+ASK/9.2	Roof brush, rotation right
Roof brush, rotation left	=SPS+ASK/9.3	=SPS+ASK-X3	21	7	=DAB+ESK-X1	6	=SPS+ASK/9.3	Roof brush, rotation left
Infeed, side brush left, forwards	=SPS+ASK/10.1	=SPS+ASK-X3	27	8	=SEB+ESK-X1	6	=SPS+ASK/10.1	Infeed, side brush left, forwards
Infeed, side brush left, back	=SPS+ASK/10.2	=SPS+ASK-X3	28	9	=SEB+ESK-X1	8	=SPS+ASK/10.2	Infeed, side brush left, back
Side brush left, rotation	=SPS+ASK/10.3	=SPS+ASK-X3	29	10	=SEB+ESK-X1	9	=SPS+ASK/10.3	Side brush left, rotation
Infeed, side brush right, forwards	=SPS+ASK/10.4	=SPS+ASK-X3	30	11	=SEB+ESK-X1	10	=SPS+ASK/10.4	Infeed, side brush right, forwards
Infeed, side brush right, back	=SPS+ASK/10.5	=SPS+ASK-X3	31	12	=SEB+ESK-X1	11	=SPS+ASK/10.5	Infeed, side brush right, back
Side brush right, rotation	=SPS+ASK/10.6	=SPS+ASK-X3	32	13	=SEB+ESK-X1	12	=SPS+ASK/10.6	Side brush right, rotation
				14				
				15				
				GNYE				
Cable name W9			Cable type SUPERFLEX-N-PUR					
Remark			No. of conductors 12			Cross-section 1.5		Cable length
Function text	Page / column	Target designation from	Connection point	Conductor	Target designation to	Connection point	Page / column	Function text
Program 1 start	=SPS+ASK/8.2	=SPS+ASK-X3	2	1	=SPS+PLT-X2	2	=SPS+ASK/8.2	Program 1 start
=	=SPS+ASK/8.2	=SPS+ASK-X3	12	2	=SPS+PLT-X2	1	=SPS+ASK/8.2	=
Program 2 start	=SPS+ASK/8.3	=SPS+ASK-X3	13	3	=SPS+PLT-X2	3	=SPS+ASK/8.3	Program 2 start
Program 3 start	=SPS+ASK/8.4	=SPS+ASK-X3	14	4	=SPS+PLT-X2	4	=SPS+ASK/8.4	Program 3 start
Program stop	=SPS+ASK/8.5	=SPS+ASK-X3	15	5	=SPS+PLT-X2	5	=SPS+ASK/8.5	Program stop
				6				

3.1

4.1

			Date	18.01.2007	Training Center	EPLAN Software & Service GmbH & Co. KG	Cable Diagram : W8 : W9		= DOKU
			Ed. by	mte	CarWash P8				+ KBP
			Appr		Replacement for	Replaced by		07-06-TZ-00	Page 4
Modification	Date	Name	Original						Pg 72



# Cable diagram

Cable name W12			Cable type ÖLFLEX SERVO 730					
Remark			No. of conductors 4			Cross-section 1,5		Cable length
Function text	Page / column	Target designation from	Connection point	Conductor	Target designation to	Connection point	Page / column	Function text
Positioning motor, side brush left	=SEB+ESK/1.1	=SEB+ESK-X2	1	1	=SEB+WAH-X3	1	=SEB+ESK/1.1	Positioning motor, side brush left
=	=SEB+ESK/1.1	=SEB+ESK-X2	2	2	=SEB+WAH-X3	2	=SEB+ESK/1.1	=
=	=SEB+ESK/1.1	=SEB+ESK-X2	3	3	=SEB+WAH-X3	3	=SEB+ESK/1.1	=
	=EVG+ESK/1.1	PE	1	GNYE	=SEB+WAH-X3	4	=SEB+ESK/1.2	=
Cable name W13			Cable type ÖLFLEX SERVO 730					
Remark			No. of conductors 4			Cross-section 1,5		Cable length
Function text	Page / column	Target designation from	Connection point	Conductor	Target designation to	Connection point	Page / column	Function text
Positioning motor, side brush left	=SEB+ESK/1.1	=SEB+WAH-X3	1	1	=SEB+WAH-M7	U1	=SEB+ESK/1.1	Positioning motor, side brush left
=	=SEB+ESK/1.1	=SEB+WAH-X3	2	2	=SEB+WAH-M7	V1	=SEB+ESK/1.1	=
=	=SEB+ESK/1.1	=SEB+WAH-X3	3	3	=SEB+WAH-M7	W1	=SEB+ESK/1.1	=
=	=SEB+ESK/1.2	=SEB+WAH-X3	4	GNYE	=SEB+WAH-M7	PE	=SEB+ESK/1.1	=
Cable name W14			Cable type ÖLFLEX SERVO 730					
Remark			No. of conductors 4			Cross-section 1,5		Cable length
Function text	Page / column	Target designation from	Connection point	Conductor	Target designation to	Connection point	Page / column	Function text
Rotation, side brush left	=SEB+ESK/1.3	=SEB+ESK-X2	4	1	=SEB+WAH-X3	5	=SEB+ESK/1.3	Rotation, side brush left
=	=SEB+ESK/1.3	=SEB+ESK-X2	5	2	=SEB+WAH-X3	6	=SEB+ESK/1.3	=
=	=SEB+ESK/1.3	=SEB+ESK-X2	6	3	=SEB+WAH-X3	7	=SEB+ESK/1.3	=
	=EVG+ESK/1.1	PE	1	GNYE	=SEB+WAH-X3	8	=SEB+ESK/1.4	=
Cable name W15			Cable type ÖLFLEX SERVO 730					
Remark			No. of conductors 4			Cross-section 1,5		Cable length
Function text	Page / column	Target designation from	Connection point	Conductor	Target designation to	Connection point	Page / column	Function text
Rotation, side brush left	=SEB+ESK/1.3	=SEB+WAH-X3	5	1	=SEB+WAH-M8	U1	=SEB+ESK/1.3	Rotation, side brush left
=	=SEB+ESK/1.3	=SEB+WAH-X3	6	2	=SEB+WAH-M8	V1	=SEB+ESK/1.3	=
=	=SEB+ESK/1.3	=SEB+WAH-X3	7	3	=SEB+WAH-M8	W1	=SEB+ESK/1.3	=
=	=SEB+ESK/1.4	=SEB+WAH-X3	8	GNYE	=SEB+WAH-M8	PE	=SEB+ESK/1.3	=

Date	18.01.2007	Training Center	EPLAN Software & Service GmbH & Co. KG	Cable Diagram : W12 : W13 : W14 : W15	= DOKU
Ed. by	mte	CarWash P8			+ KBP
Appr		Replacement for	Replaced by		
Modification	Date	Name	Original		07-06-TZ-00
					Page 5
					Pg 72







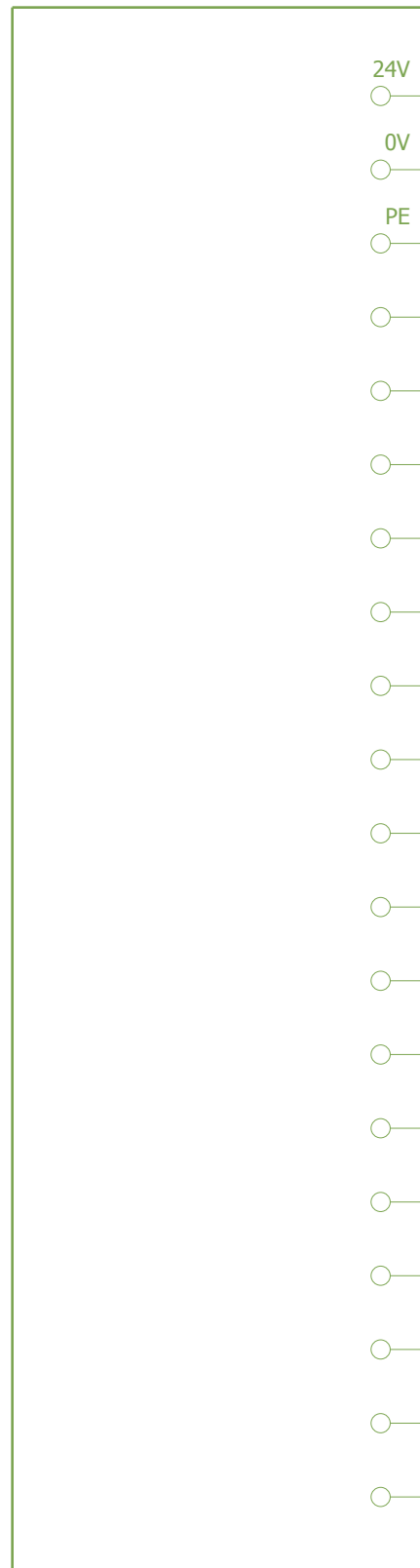




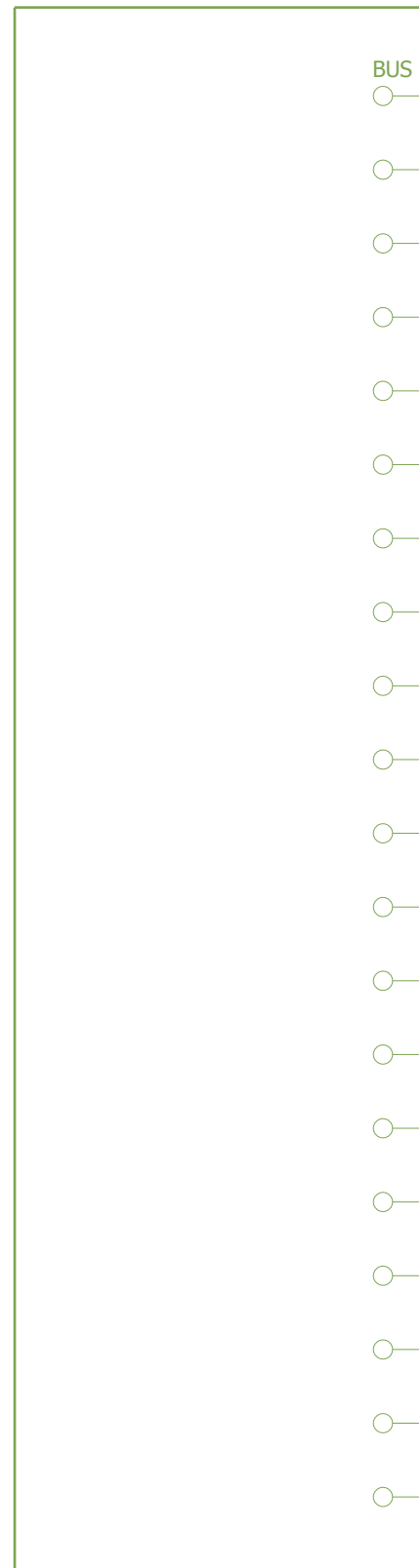
# PLC card overview

F20\_001

=SPS+ASK-A4



=SPS+ASK-A6



=SPS+ASK/3.3

PSS CPU 3 Digital I/O

			Date	18.01.2007	Training Center	EPLAN Software & Service GmbH & Co. KG	PLC Chart Overview : =SPS+ASK-A4 - =SPS+ASK-A6	= DOKU		
			Ed. by	mte	CarWash P8			+ SPS		
Modification	Date	Name	Original		Replacement for	Replaced by			07-06-TZ-00	Page 1.1 Pg 72



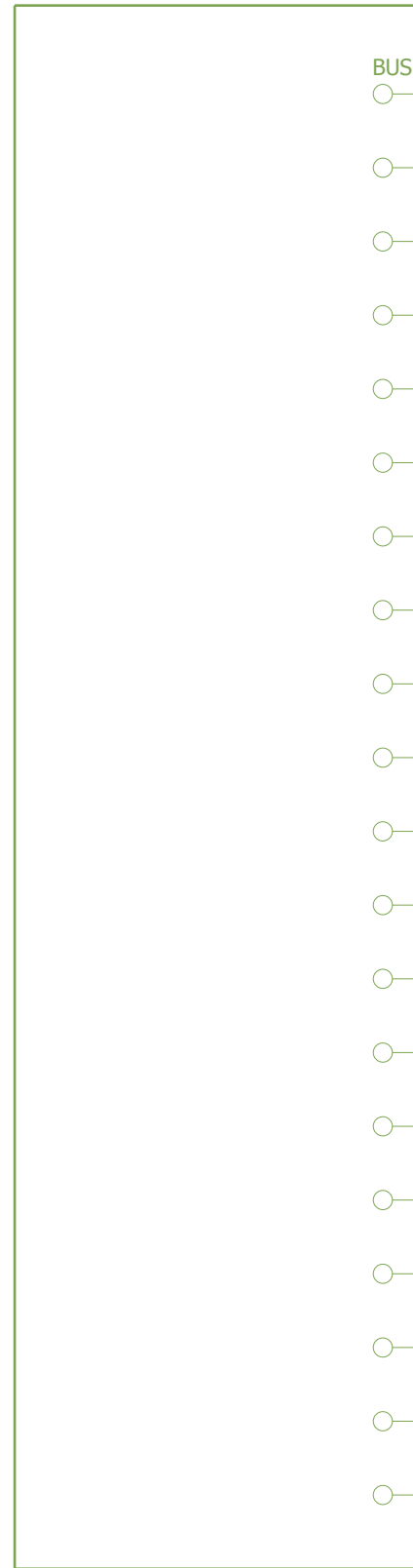
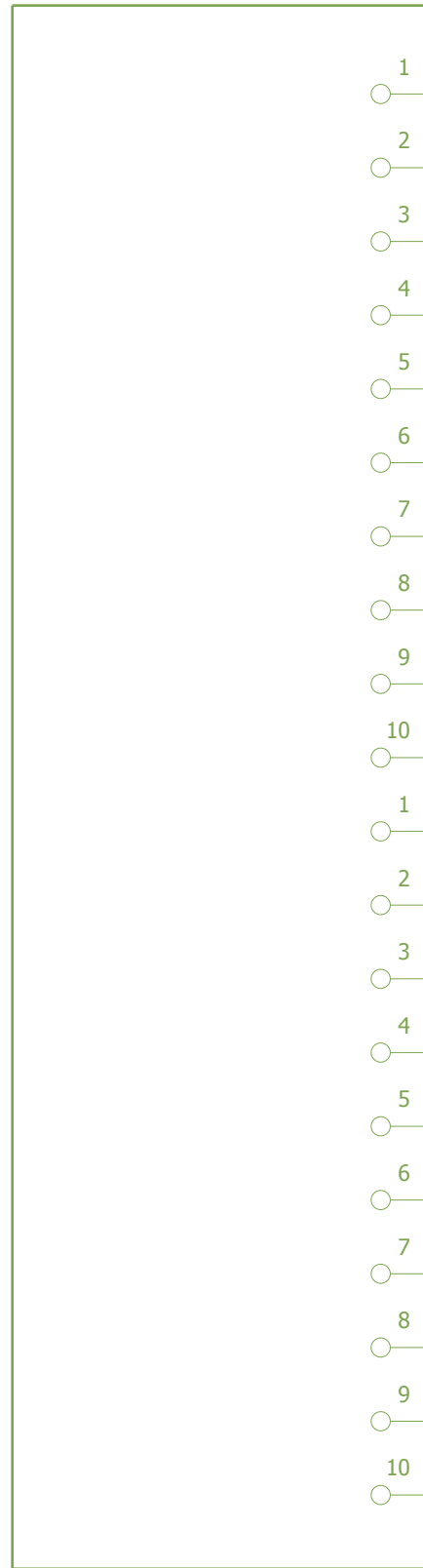


# PLC card overview

F20\_001

=SPS+ASK-A11

=SPS+ASK-A12



=SPS+ASK/3.1

Operating Device

			Date	18.01.2007	Training Center	EPLAN Software & Service GmbH & Co. KG	PLC Chart Overview : =SPS+ASK-A11 - =SPS+ASK-A12	= DOKU		
			Ed. by	mte	CarWash P8			+ SPS		
Modification	Date	Name	Original		Replacement for	Replaced by			07-06-TZ-00	Page 1.4 Pg 72

# PLC card overview

F20\_001

=SPS+ASK-A13

=SPS+ASK-BMP1

BUS



=SPS+ASK/3.8

MOVITRAC 31C Inverter



1.4

1.6

			Date	18.01.2007	Training Center	EPLAN Software & Service GmbH & Co. KG	PLC Chart Overview : =SPS+ASK-A13 - =SPS+ASK-BMP1	= DOKU		
			Ed. by	mte				+ SPS		
			Appr		CarWash P8					
Modification	Date	Name	Original		Replacement for	Replaced by			07-06-TZ-00	Page 1.5 Pg 72



# Device tag list

Device tag	Quantity	Designation	Typnummer	Manufacturer	Part number
L1					
L2					
L3					
N					
PE					
VTL1					
VTL2					
VTL3					
1-1A1	1				ADVU-100-50-P-A
1-2A1	1				DNC-40-320-PPV
1-3A2	1				ADVU-100-50-P-A
1-4A1	1				DNC-40-320-PPV
1-1V1	1				CPE18-M3H-5J1/4
1-1V2	1				GRLA-1/4-QS-6-D
1-1V3	0				GRLA-1/4-QS-6-D
1-2V1	1				CPE18-M3H-5J1/4
1-2V2	1				GRLA-1/4-QS-6-D
1-2V3	0				GRLA-1/4-QS-6-D
1-3V1	1				CPE18-M3H-5J1/4
1-3V2					
1-3V3	0				GRLA-1/4-QS-6-D
1-4V1	1				CPE18-M3H-5J1/4
1-4V2	1				GRLA-1/4-QS-6-D
1-4V3	0				GRLA-1/4-QS-6-D
1-0Z1	1				LFR-1/2-D-DI-MAXI-KB-A
1-0Z2	1				U-1/4
1-1Z1	1				U-1/4
1-1Z2	1				U-1/4
1-2Z1	1				U-1/4

+SPS/1.6

1.1

		Date	18.01.2007	Training Center		EPLAN Software & Service GmbH & Co. KG		Betriebsmittelliste : L1 - 1-2Z1		= DOKU	
		Ed. by	mte	CarWash P8						+ BMK	
Modification	Date	Name	Original	Replacement for	Replaced by			07-06-TZ-00		Page	1
										Pg	72

# Device tag list

Device tag	Quantity	Designation	Typnummer	Manufacturer	Part number
1-2Z2	1				U-1/4
1-3Z1	1				U-1/4
1-3Z2	1				U-1/4
1-4Z1	1				U-1/4
1-4Z2	1				U-1/4
=EVG+ESK-F1	1		2-811 20160	DRI	DRI.2-81120160
=EVG+ESK-F2	1		2-811 20160	DRI	DRI.2-81120160
=EVG+ESK-F3	1		2-811 20160	DRI	DRI.2-81120160
=EVG+ESK-F4	1		2-811 20160	DRI	DRI.2-81120160
=EVG+ESK-F5	1		2-811 20160	DRI	DRI.2-81120160
=EVG+ESK-F6	1		2-811 20160	DRI	DRI.2-81120160
=EVG+ESK-F7	1		ABB.S201-B16	ABB	ABB.S201-B16
=EVG+ESK-F8	1		FAZ6-B6	MOE	MOE.FAZ6-B6
=EVG+ESK-F9	1		FAZ6-B6	MOE	MOE.FAZ6-B6
=EVG+ESK-F10	1		FAZ6-B6	MOE	MOE.FAZ6-B6
=EVG+ESK-F11	2		FAZ-2-C	MOE	MOE.FAZ-C4
=EVG+ESK-MP1	1	Mounting panel	1114.500	RITTAL	MP AE 1114.500
=EVG+ESK-Q1	1		KG80T213/04 E FEC	KGS	KGS.KG80T213/04 E FEC
=EVG+ESK-Q2	1		PNOZ X2.1	PILZ	PILZ.774306
=EVG+ESK-Q3	1		DIL0AM	MOE	MOE.052217
=EVG+ESK-Q4	1		DIL0AM	MOE	MOE.052217
=EVG+ESK-T1	1		Mini-PS-100-240VAC/24DC/4	PHÖNIX	PHO.Mini-PS-100-240VAC/24DC/4
=EVG+ESK-T2	1		Mini-PS-100-240VAC/24DC/4	PHÖNIX	PHO.Mini-PS-100-240VAC/24DC/4
=EVG+ESK-X1					
=EVG+ESK-X2					
=EVG+ESK-X3					
=EVG+PLT-S1	1		PITestop	PILZ	PILZ.21136-03
=SPS+ASK-A1	1		PSS PS24	PILZ	PILZ.301 051
=SPS+ASK-A2	1		301064	PILZ	PILZ.301 064

		Date	18.01.2007	Training Center		EPLAN Software & Service GmbH & Co. KG		Betriebsmittelliste : 1-2Z2 - =SPS+ASK-A2		= DOKU	
		Ed. by	mte	CarWash P8						+ BMK	
Modification	Date	Name	Original	Replacement for	Replaced by			07-06-TZ-00		Page	1.1
										Pg	72

# Device tag list

Device tag	Quantity	Designation	Typnummer	Manufacturer	Part number
=SPS+ASK-A3	1		PSSmodular COM	PILZ	PILZ.301 151
=SPS+ASK-A4	1		PSS PS24	PILZ	PILZ.301 051
=SPS+ASK-A5	1		301064	PILZ	PILZ.301 064
=SPS+ASK-A6	1		PSSmodular COM	PILZ	PILZ.301 151
=SPS+ASK-A7	1		DI 2	PILZ	PSS DI 2
=SPS+ASK-A8	1			PILZ	PSS DO 301 110
=SPS+ASK-A9	1		AI	PILZ	PSS AI
=SPS+ASK-A10	1			PILZ	PSS DO 301 110
=SPS+ASK-A11	1		DI 2	PILZ	PSS DI 2
=SPS+ASK-A12					
=SPS+ASK-A13					
=SPS+ASK-BMP1	1		PSS BMP 8	PILZ	PILZ.301 005
=SPS+ASK-BMP2	1		PSS BMP 8	PILZ	PILZ.301 005
=SPS+ASK-X1					
=SPS+ASK-X2					
=SPS+ASK-X3					
=SPS+ASK-X4					
=SPS+ESK-X1					
=SPS+PLT-P1					
=SPS+PLT-P2					
=SPS+PLT-P3					
=SPS+PLT-P4					
=SPS+PLT-S1	1			MOE	MOE.M22-DL-G-+M22-A+M22-LED-G
=SPS+PLT-S2	1			MOE	MOE.M22-DL-G-+M22-A+M22-LED-G
=SPS+PLT-S3	1			MOE	MOE.M22-DL-G-+M22-A+M22-LED-G
=SPS+PLT-S4	1		216928	MOE	MOE.M22-DL-R+M22-A+M22-LED-R
=SPS+PLT-X1					
=SPS+PLT-X2					







