INSPIRING INNOVATIONS

Article designation EV-SET-T2AC-BAS-RCM1-20AC5MES

Manufacturer PHOENIX CONTACT GmbH & CO KG

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Project number:
Article number: 1628077

Version: 03 **Year of manufacture:** 2016 **EPLAN-Version:** 2.5.4

Creater	FLANDERMEIER ANDREAS	Project date	08.12.2016	1628077	PHOENIX CONTACT	Cover page		File name:	2017-04-05-EPLAN-1628077-V02	=PXC1
Last designer	FLANDERMEIER ANDREAS	Date Revision	01.02.2017					Version:		+ALL
Checked by	VOGEL DIRK	Checked	04.04.2017	EV-SET-T2AC-BAS-RCM1-20AC5MES				Project number		1
		Printing date	21.04.2017							2

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=PXC1+AW/25	Terminal diagram =PXC1+S1-12XF1	FLANDERMEIER ANDREAS	01.02.2017	FLANDERMEIER ANDREAS
=PXC1+AW/26	Cable overview : =PXC1+S1-11W1 - =PXC1+S1-11W1	FLANDERMEIER ANDREAS	01.02.2017	FLANDERMEIER ANDREAS

0	1	2	3	4	5	6	7	8	9

-L1 / 11.1
-N0 / 11.1
-N1 / 12.0
-N2 / 12.0
-N3 / 12.0

-10F1
Option

PHOENIX CONTACT

L1 N PE

11 14 12

11 14 12

BK 4 mm²
LBU 4 mm²
GNYE 4 mm²
GNYE 2,5 mm²
GNYE 1 mm²

-PE1 / 11.1
-PE2 / 12.0

-MP:1
Mounting plate

4 mm²
1 mm²
LBU 1 mm²
1 mm²
GNYE 4 mm²

-10X1 1 L FBS 2 N FBS 3 N 4 N 5 PE 6 PE 7 PE

+EXT1
External

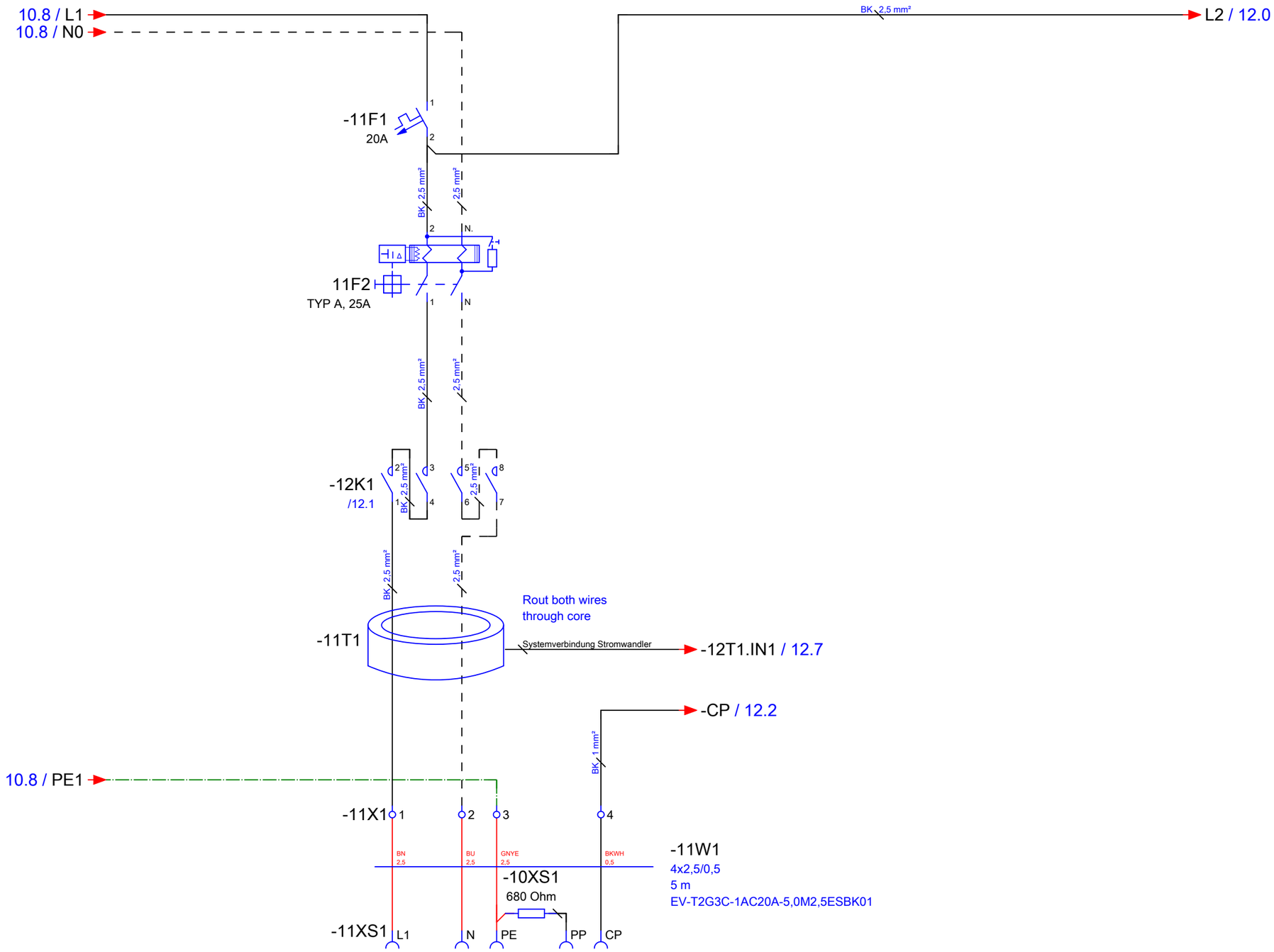
L1 N PE

Supply Customer	
Voltage	230V-50 Hz
Rated current	21 A
Rated output power	4,8 kVA
Fuse protection	25 A

CAUTION
Remains energized when main switch is opened

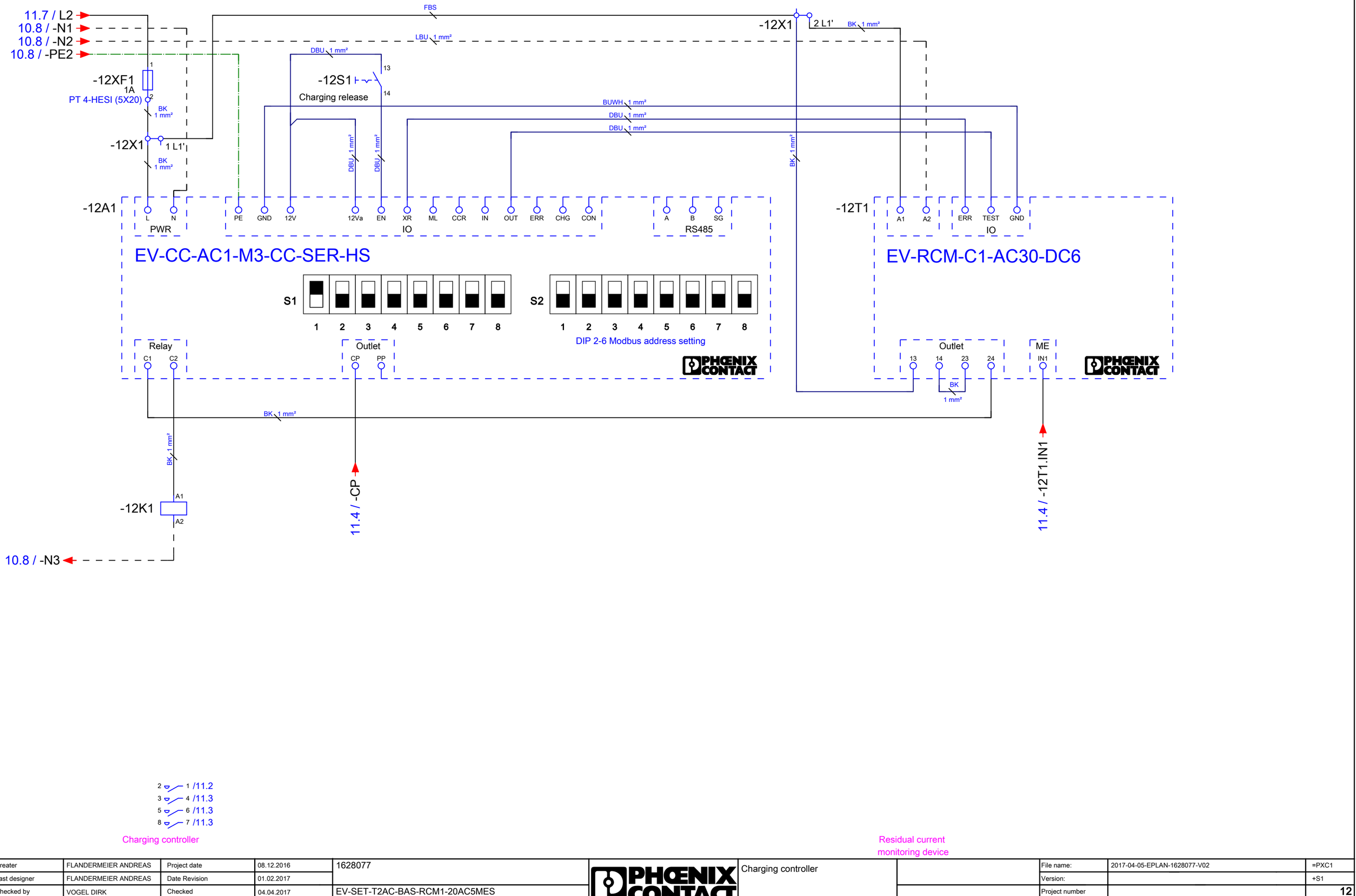
Supply 230V 50Hz

Creater	FLANDERMEIER ANDREAS	Project date	08.12.2016	1628077	PHOENIX CONTACT	Power Supply		File name:	2017-04-05-EPLAN-1628077-V02	=PXC1
Last designer	FLANDERMEIER ANDREAS	Date Revision	01.02.2017					Version:		+S1
Checked by	VOGEL DIRK	Checked	04.04.2017	EV-SET-T2AC-BAS-RCM1-20AC5MES				Project number		10
+ALL/2		Printing date	21.04.2017							11



Supply
Vehicle connector

Creater	FLANDERMEIER ANDREAS	Project date	08.12.2016	1628077	PHOENIX CONTACT	Supply vehicle connector		File name:	2017-04-05-EPLAN-1628077-V02	=PXC1
Last designer	FLANDERMEIER	Date Revision	05.04.2017					Version:		+S1
Checked by	VOGEL DIRK	Checked	04.04.2017	EV-SET-T2AC-BAS-RCM1-20AC5MES				Project number		11
10		Printing date	21.04.2017							12



Creater	FLANDERMEIER ANDREAS	Project date	08.12.2016	1628077		Charging controller		File name:	2017-04-05-EPLAN-1628077-V02	=PXC1
Last designer	FLANDERMEIER ANDREAS	Date Revision	01.02.2017					Version:		+S1
Checked by	VOGEL DIRK	Checked	04.04.2017	EV-SET-T2AC-BAS-RCM1-20AC5MES				Project number		12
11		Printing date	21.04.2017							30

Parts list

+ Local resources indicator +Location / Page / Lath	Quantity QU	Designation	Type number No. manufacturer	Manufacturer Distributor	Ordering number	Pos
-12A1 /12.0	1 Stück	Charging controller	EV-CC-AC1-M3-CC-SER-HS 1622459	PXC PXC	PXC.1622459	
-12A1 /12.0	1 Stück	End clamp	CLIPFIX 35-5 3022276	PXC PXC	PXC.3022276	
-11F1 /11.3	1 Piece	CIRCUIT BREAKER 230/400V 6KA, 1-POLE, B, 20A, D=70MM	5SY6120-6 5SY6120-6	SIE SIE	SIE.5SY6120-6	
-11F1 /11.3	1 Stück	End clamp	CLIPFIX 35-5 3022276	PXC PXC	PXC.3022276	
-11F2 /11.3	1 Piece	RCCB TYPE A 25/2 30MA 2MW Res.current op.circuit breaker SENTRON	5SV3312-6 5SV3312-6	SIE SIE	SIE.5SV3312-6	
-11F2 /11.3	1 Stück	End clamp	CLIPFIX 35-5 3022276	PXC PXC	PXC.3022276	
-12K1 /12.1	1 Piece	INSTA CONTACTOR WITH 4 MAKE CONTACTS CONTACT FOR 230, 400 V AC, 25 A TRIGGERING 230 V AC	5TT5830-0 5TT5830-0	SIE SIE	SIE.5TT5830-0	
-12S1 /12.2	1 Stück	Selector switch actuator, 1N/O, 2 Pos., Front fixing	M22-WRK/K10 216518	MOE MOE	MOE.M22-WRK/K10	
-12S1 /12.2	1 Piece	IVS mounting rail adapter	M22-IVS 216400	MOE MOE	MOE.M22-IVS	
-12S1 /12.2	2 Stück	End clamp	CLIPFIX 35-5 3022276	PXC PXC	PXC.3022276	
-12T1 /12.6	1 Stück	Differential current monitoring	EV-RCM-C1-AC30-DC6 1622450	PXC PXC	PXC.1622450	
-12T1 /12.6	1 Stück	End clamp	CLIPFIX 35-5 3022276	PXC PXC	PXC.3022276	
-10U1 /10.9	1 Piece	AE mounting plate 449x 6706mm	AE 5050.440 5050440	RIT RIT	RIT.5050440	
-10X1 /10.0	2 Stück	End clamp	CLIPFIX 35-5 3022276	PXC PXC	PXC.3022276	
-10X1 /10.1	1 Stück	Feed-through terminal block	PT 6-TWIN 3211929	PXC PXC	PXC.3211929	
-10X1 /10.2	3 Stück	Feed-through terminal block	PT 6-TWIN BU 3211485	PXC PXC	PXC.3211485	
-10X1 /10.2	1 Piece	Plug-in bridge	FBS 3-8 BU 3032570	PXC PXC	PXC.3032570	
-10X1 /10.3	3 Stück	Ground modular terminal block	PT 6-TWIN-PE 3211498	PXC PXC	PXC.3211498	
-10X1 /10.3	1 Stück	End cover	D-PT 6-TWIN 3211508	PXC PXC	PXC.3211508	
-11X1 /11.0	2 Stück	End clamp	CLIPFIX 35-5 3022276	PXC PXC	PXC.3022276	

Parts list

CBL_F01_006

+ Local resources indicator +Location / Page / Lath	Quantity QU	Designation	Type number No. manufacturer	Manufacturer Distributor	Ordering number	Pos
-11X1 /11.2;/11.4	2 Stück	Feed-through terminal block	PT 2,5 3209510	PXC PXC	PXC.3209510	
-11X1 /11.3	1 Stück	Feed-through terminal block	PT 2,5 BU 3209523	PXC PXC	PXC.3209523	
-11X1 /11.3	1 Stück	Ground modular terminal block	PT 2,5-PE 3209536	PXC PXC	PXC.3209536	
-12X1 /12.1;/12.5	2 Stück	End clamp	CLIPFIX 35-5 3022276	PXC PXC	PXC.3022276	
-12X1 /12.1;/12.5	2 Stück	Feed-through terminal block	PT 6-TWIN 3211929	PXC PXC	PXC.3211929	
-12X1 /12.1	1 Piece	Plug-in bridge	FBS 2-8 3030284	PXC PXC	PXC.3030284	
-12X1 /12.5	1 Stück	End cover	D-PT 6-TWIN 3211508	PXC PXC	PXC.3211508	
-12XF1 /12.0	1 Stück	End clamp	CLIPFIX 35-5 3022276	PXC PXC	PXC.3022276	
-12XF1 /12.1	1 Piece	Fuse modular terminal block	PT 4-HESI (5X20) 3211861	PXC PXC	PXC.3211861	
-12XF1 /12.1	1 Stück	End cover	D-ST 4 3030420	PXC PXC	PXC.3030420	
-12XF1 /12.1	1 Piece	Fine-wire fuse quick-acting 1A 5x20	520617 520617	ESK ESK	ESK.520617	
-11XS1 /11.4	1 Stück	Holder	EV-T2AC-PARK 1624148	PXC PXC	PXC.1624148	
-11XS1 /11.4	1 Stück	AC charging cable	EV-T2G3C-1AC20A-5,0M2,5ESBK01 1627354	PXC PXC	PXC.1627354	

Parts list

+ Local resources indicator +Location / Page / Lath	Quantity QU	Designation	Type number No. manufacturer	Manufacturer Distributor	Ordering number	Pos
+S1-12A1 +S1/12.0	1 Piece	Charging controller	EV-CC-AC1-M3-CC-SER-HS 1622459	PXC PXC	PXC.1622459	
+S1-12A1 +S1/12.0	1 Piece	End clamp	CLIPFIX 35-5 3022276	PXC PXC	PXC.3022276	
+S1-11F1 +S1/11.3	1 Piece	CIRCUIT BREAKER 230V/400V 6KA, 1-POLE, B, 20A, T=70MM				
+S1-11F1 +S1/11.3	1 Piece	End clamp	CLIPFIX 35-5 3022276	PXC PXC	PXC.3022276	
+S1-11F2 +S1/11.3	1 Piece	RCCB TYPE A 20/4 30MA 2MW Res.current op.circuit breaker SENTRON				
+S1-11F2 +S1/11.3	1 Piece	End clamp	CLIPFIX 35-5 3022276	PXC PXC	PXC.3022276	
+S1-12K1 +S1/12.1	1 Piece	INSTA CONTACTOR WITH 4 NO CONTACTS CONTACT FOR AC 230, 400V 25A ACTIVATION AC230V				
+S1-12S1 +S1/12.2	1 Piece	Selector switch actuator, 1N/O, 2 Pos., Front fixing				
+S1-12S1 +S1/12.2	2 Piece	End clamp	CLIPFIX 35-5 3022276	PXC PXC	PXC.3022276	
+S1-12T1 +S1/12.6	1 Piece	Differential current monitoring	EV-RCM-C1-AC30-DC6 1622450	PXC PXC	PXC.1622450	
+S1-12T1 +S1/12.6	1 Piece	End clamp	CLIPFIX 35-5 3022276	PXC PXC	PXC.3022276	
+S1-11XS1 +S1/11.4	1 Piece	AC charging cable	EV-T2G3C-1AC20A-5,0M2,5ESBK01 1627354	PXC PXC	PXC.1627354	
+S1-11XS1 +S1/11.4	1 Piece	Holder	EV-T2AC-PARK 1624148	PXC PXC	PXC.1624148	

Weight sum parts list

CBL_F01_02_Gewicht

Quantity	Quantity unit	Order number	Type number	Designation	Manufacturer	Weight	Weight total
1	Piece			Fuse 1A F 5x20		0,00 kg	0,00 kg
1	Piece			Selector switch, 1 NO, 2 Positions, Front mounting		0,03 kg	0,03 kg
1	Piece	1622459	EV-CC-AC1-M3-CC-SER-HS	Charging controller	Phoenix Contact	0,02 kg	0,02 kg
13	Piece	3022276	CLIPFIX 35-5	End clamp	Phoenix Contact	0,00 kg	0,00 kg
1	Piece	1622450	EV-RCM-C1-AC30-DC6	Differential current monitoring	Phoenix Contact	0,19 kg	0,19 kg
5	Piece	3240349	CD-HF 40X60	Cable duct	Phoenix Contact	0,00 kg	0,00 kg
2	Piece	0801733	NS 35/ 7,5 PERF 2000MM	DIN rail perforated	Phoenix Contact	0,00 kg	0,00 kg
3	Piece	3211929	PT 6-TWIN	Feed-through terminal block	Phoenix Contact	0,02 kg	0,06 kg
3	Piece	3211485	PT 6-TWIN BU	Feed-through terminal block	Phoenix Contact	0,02 kg	0,06 kg
1	Piece	3032570	FBS 3-8 BU	Plug-in bridge	Phoenix Contact	0,00 kg	0,00 kg
3	Piece	3211498	PT 6-TWIN-PE	Ground modular terminal block	Phoenix Contact	0,03 kg	0,09 kg
2	Piece	3211508	D-PT 6-TWIN	End cover	Phoenix Contact	0,00 kg	0,00 kg
2	Piece	3209510	PT 2,5	Feed-through terminal block	Phoenix Contact	0,01 kg	0,02 kg
1	Piece	3209523	PT 2,5 BU	Feed-through terminal block	Phoenix Contact	0,01 kg	0,01 kg
1	Piece	3209536	PT 2,5-PE	Ground modular terminal block	Phoenix Contact	0,01 kg	0,01 kg
1	Piece	3030284	FBS 2-8	Plug-in bridge	Phoenix Contact	0,00 kg	0,00 kg
1	Piece	3211861	PT 4-HESI (5X20)	Fuse modular terminal block	Phoenix Contact	0,01 kg	0,01 kg
1	Piece	3030420	D-ST 4	End cover	Phoenix Contact	0,00 kg	0,00 kg
1	Piece	1624148	EV-T2AC-PARK	Holder	Phoenix Contact	0,08 kg	0,08 kg
1	Piece			CIRCUIT BREAKER 230V/400V 6KA, 1-POLE, B, 20A, T=70MM		0,16 kg	0,16 kg
1	Piece			RCD TYPE A 25/2 30MA 2TE		0,20 kg	0,20 kg
1	Piece			CONTACTOR INSTA WITH 4 NO CONTACTS		0,26 kg	0,26 kg

8,10 kg

Terminal diagram

PXC_F13_020

Strip

=PXC1+S1-10X1

Power supply 230 V AC

Function text	Cable name	Cable type	Target designation	Connection point	Terminal	level	Jumper	Target designation	Connection point	Cable type	Cable name	Page / column
Supply 230V 50Hz				L1	1			-11F1	1			/10.1
						0						
Supply 230V 50Hz				N	2			-11F2	N.			/10.2
								-12A1	PWR:N			
Supply 230V 50Hz					3			-12T1	A2			/10.2
								-12K1	A2			
Supply 230V 50Hz					4							/10.2
=				PE	5			-11X1	3			/10.3
								-12A1	IO:PE			
Supply 230V 50Hz					6							/10.3
=					7							/10.3

Terminal diagram

PXC_F13_020

Function text								-11W1	Cable name	Strip =PXC1+S1-11X1						Cable name						Page / column
								EV-T2G3C-1AC20A-5.0M2.5ESBKGY	Cable type	Target designation	Connection point	Terminal	level	Jumper	Target designation	Connection point	Cable type						
								BN		-11XS1	2	1		,	-12K1	1							/11.2
Supply Vehicle connector								BU		-11XS1	N	2		,	-12K1	7							/11.3
=								GNYE		-11XS1	PE	3		,	-10X1	5							/11.3
=								BKWH		-11XS1	1	4		,	-12A1	Outlet:CP							/11.4

0	1	2	3	4	5	6	7	8	9

Terminal diagram

PXC_F13_020

Strip

=PXC1+S1-12X1

Function text	Cable name	Cable type	Target designation	Connection point	Terminal	level	Jumper	Target designation	Connection point	Cable type	Cable name	Page / column
			-12A1	PWR:L	1			-12XF1				/12.1
						0						
Differenzstrom-Überwachungsgerät			-12T1	Outlet:13	2							/12.5
			-12T1	A1								
						0						

Creater	FLANDERMEIER ANDREAS	Project date	01.02.2017	1628077	PHOENIX CONTACT	Terminal diagram =PXC1+S1-12X1		File name:	2017-04-05-EPLAN-1628077-V02	=PXC1
Last designer	FLANDERMEIER ANDREAS	Date Revision	01.02.2017					Version:		+AW
Checked by	VOGEL DIRK	Checked	04.04.2017	EV-SET-T2AC-BAS-RCM1-20AC5MES				Project number		24
23		Printing date	21.04.2017							25

Terminal diagram

PXC_F13_020

Strip

=PXC1+S1-12XF1

Function text	Cable name	Cable type	Target designation	Connection point	Terminal	level	Jumper	Target designation	Connection point	Cable type	Cable name	Page / column
			-12X1	1			,	-12XF1	2			/12.1

Cable overview

PXC_F10_020

Cable name	Source (from)	Target (to)	Cable type	all conductors	Conductors used	Cross-section [mm]	Length [m]	Remark
+S1-11W1	+S1-11XS1	+S1-11X1	EV-T2G3C-1AC20A-5,0M2,5ESBK01	4	4	2,5/0,5	5	