Transformatorbox 1 =J104

Transformatorbox 2 =J107

AT01 Autotransformator 1

AT02 Autotransformator 2

=J104-T10 11MVA 50Hz 1,2% 2x27,5kV

=J107-T10 11MVA 50Hz 1,2% 2x27,5kV

2x VD 0,6/1 kV 1x185mm²

=J104-T4 Gestelsluitbeveiliging 500/1A 5VA, 5P20

=J107-T4 Gestelsluitbeveiliging 500/1A 5VA, 5P20

Stationtransformatorruimte

NF

630A 6,3A handscheider T20

=T20 25/0,23 kV 100 VA

ST

2x1 2XSY (FL) 2Y 1x400mm² RM/70 35/60 kV

2x BMvKas 3,6/6 kV mb 1x500mm²

Retourkast =P+Q

Retourstroom =T11 400/1A 5 VA, 5P10

Retourstroom =T21 400/1A 5 VA, 5P10

2400A

Aardretourstroom =T2 400/1A VA, 5P10

Retourstroom Baan =T1 400/1A 5 VA, 5P10

1x VD 0,6/1 kV 1x185mm²

Gestelsluitbeveiliging =T3 400/1A 5 VA, 5P10

2x VD 0,6/1 kV 1x185mm²

2x BMvKas 3,6/6 kV mb 1x500mm²

2x BMvKas 3,6/6 kV mb 1x500mm²

2x VD 0,6/1 kV 1x185mm²

25kV Verdeelinrichting

ZV2
2x25kV, 50Hz
25kA, 1s

JJ =J1 .01 | E =J2 .02 | F =J3 .03 | AT Box I =J4 .04 | G =J5 .05 | H =J6 .06 | AT Box II =J7 .07 | J =J8 .08 | N =J9 .09

=J1-Q1/05 1250 A RS/KA-JJ

=J1-Q0 1250 A 25/63 kA VS-JJ

NOT USED 25/1/1 A 5 VA, Kl. 1 5 VA, 10P10

pos. feeder

=J1-T1.1 =J1-T1.2 1250/1A 10 VA, 5P20 10 VA, Kl. 1

=J2-Q1/05 1250 A RS/KA-E

=J2-Q0 1250 A 25/63 kA VS-E

=J2-T5.1 =J2-T5.2 25/0,11 kV 30VA KL1 0,11/0,1kV 10VA

=J3-Q1/05 1250 A RS/KA-F

=J3-Q0 1250 A 25/63 kA VS-F

=J3-T5.1 =J3-T5.2 25/0,11 kV 30VA KL1 0,11/0,1kV 10VA

=J4-T5.1 =J4-T5.2 0,11/0,1kV 10VA KL1 25/0,11 kV 30VA

=J4-T1.1 =J4-T1.2 200/1/1 A 15 VA, Kl. 1 15 VA, 10P10

=J4-Q0 1250 A 25/63 kA VS-AT01

=J4-Q1/05 1250 A RS/KA-AT01

=J5-Q1/05 1250 A RS/KA-G

=J5-Q0 1250 A 25/63 kA VS-G

=J5-T5 25/0,11 kV 30VA KL1 0,11/0,1kV 10VA

=J5-T1.1 =J5-T1.2 1250/1A 10 VA, 5P20 10 VA, Kl. 1

=J6-Q1/05 1250 A RS/KA-H

=J6-Q0 1250 A 25/63 kA VS-H

=J6-T5 25/0,11 kV 30VA KL1 0,11/0,1kV 10VA

=J6-T1.1 =J6-T1.2 1250/1A 10 VA, 5P20 10 VA, Kl. 1

=J7-T5.1 =J7-T5.2 0,11/0,1kV 10VA KL1 25/0,11 kV 30VA

=J7-T1.1 =J7-T1.2 200/1/1 A 15 VA, Kl. 1 15 VA, 10P10

=J7-Q0 1250 A 25/63 kA VS-AT02

=J7-Q1/05 1250 A RS/KA-AT02

=J8-Q1/05 1250 A RS/KA-J

=J8-Q0 1250 A 25/63 kA VS-J

=J8-T5 25/0,11 kV 30VA KL1 0,11/0,1kV 10VA

=J8-T1.1 =J8-T1.2 1250/1A 10 VA, 5P20 10 VA, Kl. 1

=J9-Q1/05 1250 A RS/KA-N

=J9-Q0 1250 A 25/63 kA VS-N

1250A

=J9-T5 25/0,11 kV 30VA KL1 0,11/0,1kV 10VA

=J9-T1.1 =J9-T1.2 1250/1A 10 VA, 5P20 10 VA, Kl. 1

Per fase 1x YMeKrvasdlwd 1x1200mm 36/50kV

Per fase 1x S(FL)2Y 1x400mm RM/70 25/43kV

Per fase 1x YMeKrvasdlwd 1x1200mm 36/50kV

=J2-FS1.1 =J2-FS1.2 POLIM S30N 30 kV, 10 kA, 9 kJ

=J2-Q9 FLA 15/VAC, 25kV 2000 A 20kA, 1s

=J3-FS1.1 =J3-FS1.2 POLIM S30N 30 kV, 10 kA, 9 kJ

=J3-Q9 FLA 15/VAC, 25kV 2000 A 20kA, 1s

SBK-IV 39/10.3

JJ 1808 Maasvlakte-West 25kV 50Hz RT-systeem

E 1766 Botlek/Waalhaven 25kV 50Hz AT-systeem

F 1765 Botlek/Waalhaven 25kV 50Hz AT-systeem

Retourkast KM 0.200

Retourkast KM 39.720

G 1771 Emplacement Maasvlakte-Oost 25kV 50Hz RT-systeem

H 1773 Emplacement Maasvlakte-Oost 25kV 50Hz RT-systeem

J 1809 Maasvlakte-West 25kV 50Hz RT-systeem

N 1770 Maasvlakte-West 25kV 50Hz RT-systeem

Voorbeeld Apparaten Coderingssysteem

=J...-T5 .1 = Positieve Feeder

=J...-T5 .2 = Negatieve Feeder

xx-yy = Codering conform SCADA

Q1 = Railscheider

Q5 = Kabel/veldaarder

Q0 = Vermogenschakelaar

Q9 = Bovenleidingschakelaar

Note: Bestaande stroomtransformatoren in GIS primair en secundair kortgesloten

AS-BUILT
LIANDON | Afd.: EE | Datum: MRT 2014

17	As built	04.06.14	DR		Datum	Name
16	AS-BUILT	12.03.14	MS	Bearb.	9.9.1997	Xie/Bo
15	EB Transformator	30.10.13	IG	Gepr.		
14	mod. J01 / ST	15.04.13	SvdB	Freig.		
13	As built	07.12.09	AKU	Abt.: B/PA 2		
12	MOD. IPHS	02.11.09	WBR			
11	As built	22.11.05	ASN	ABB Daimler-Benz Transportation (Deutschland) GmbH		
10	Revision	18.10.02	PES			
Zust.	Änderung	Datum	Name	Urspr.:		

Havenspoorlijn Holland
AT-Station Maasvlakte
Hoofdstroomschema

ADtranz

3EGT 000 992-USP

Blatt

Bl.

Ers. f.:

Ers. d.:

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