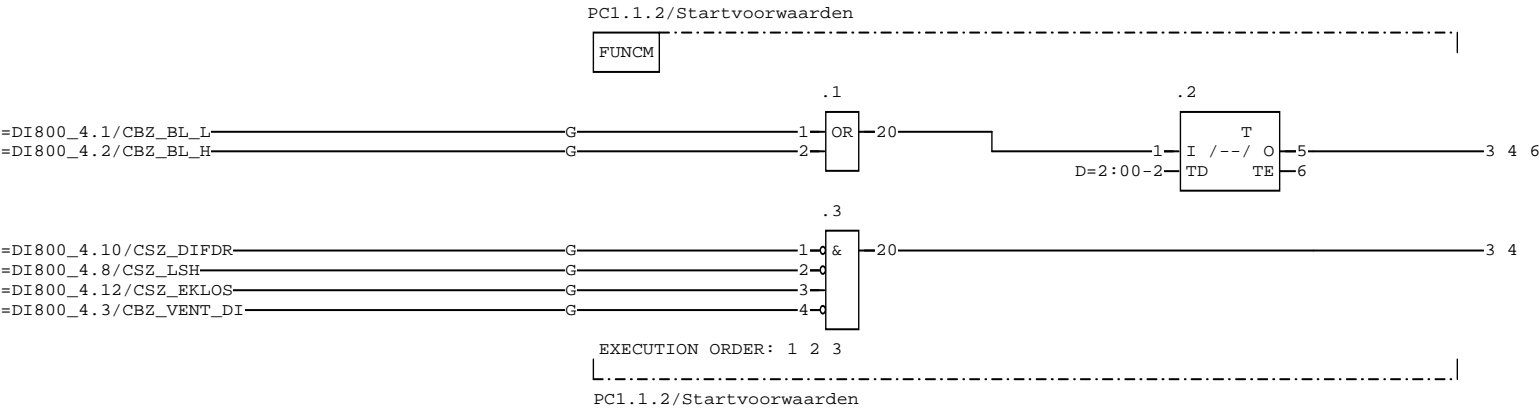
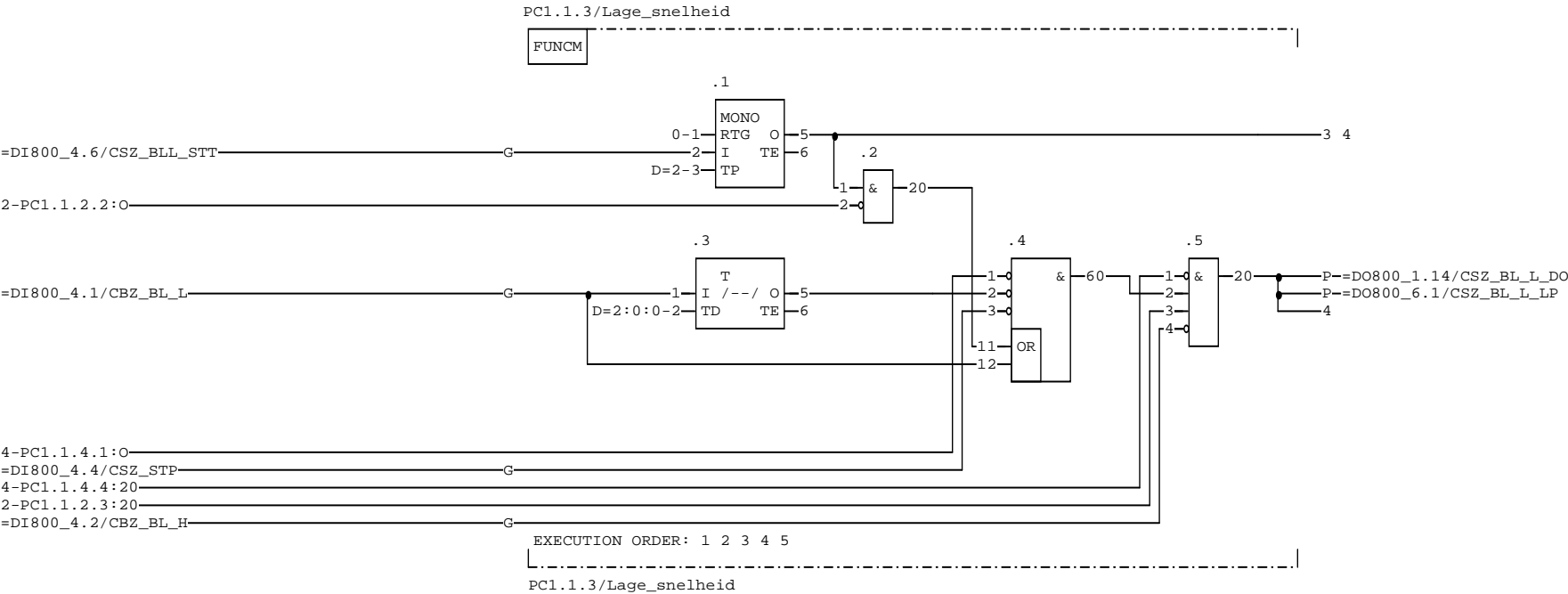


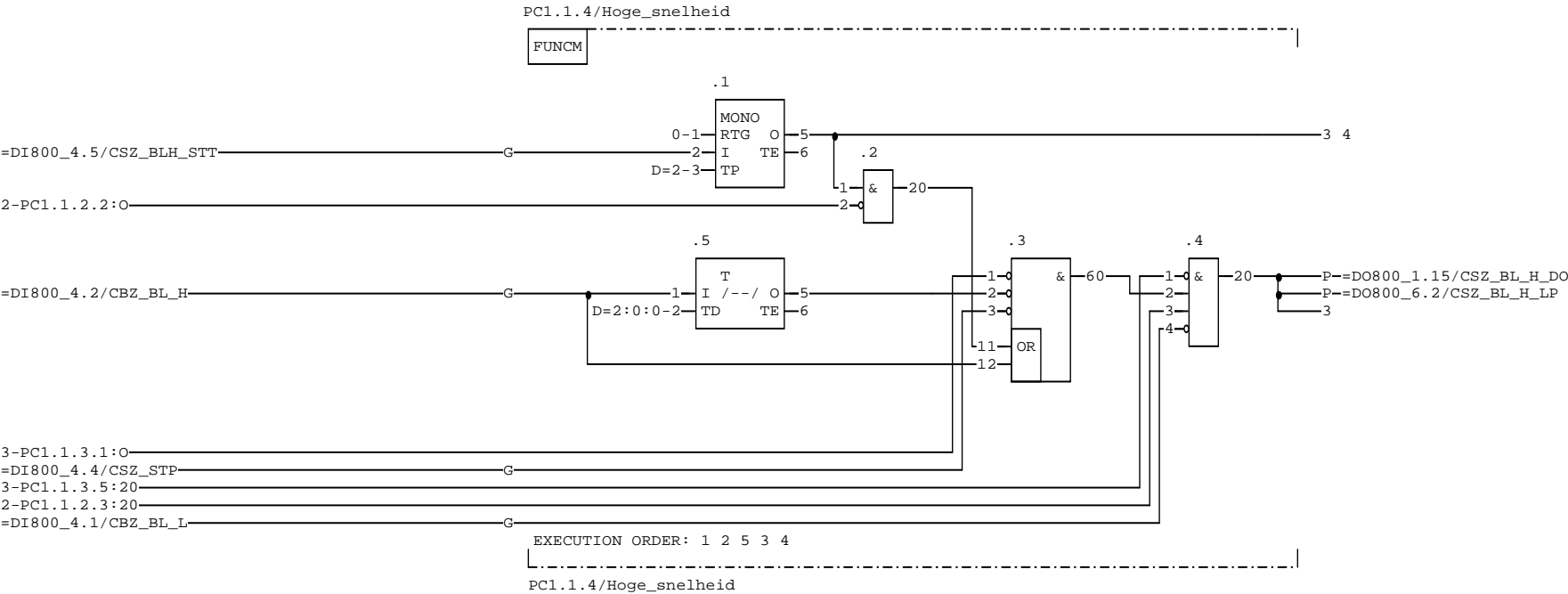
Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 1
Date	3 aug 2012			Cont. 2



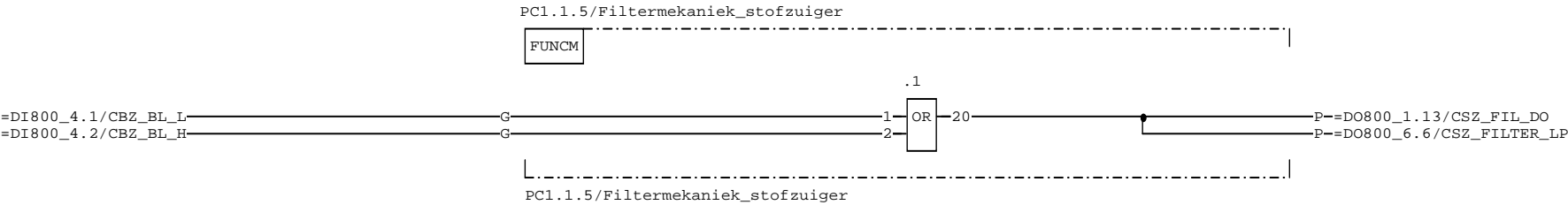
Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 2
Date	3 aug 2012			Cont. 3



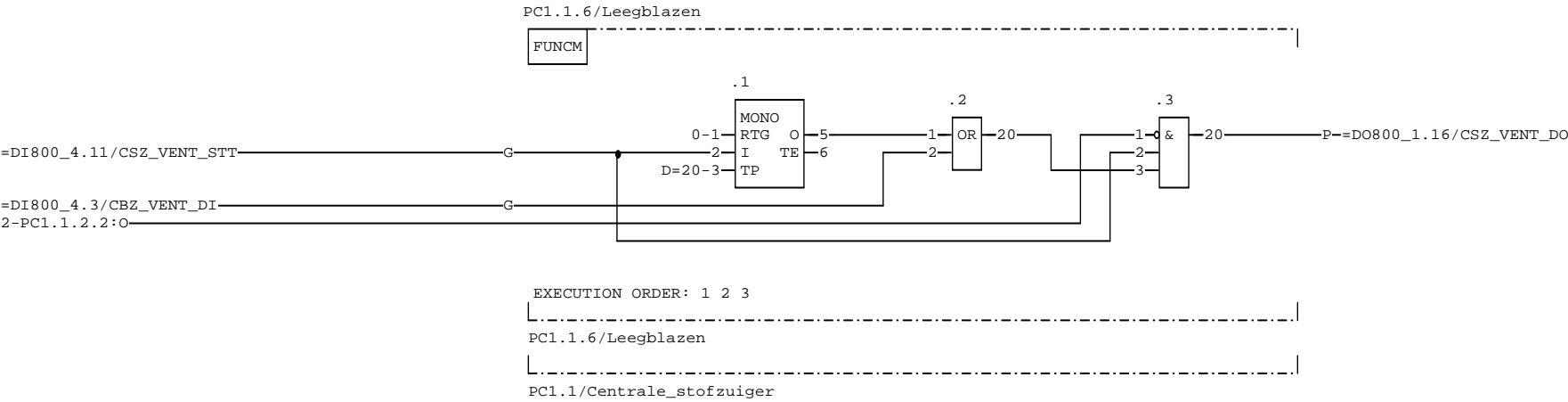
Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 3
Date	3 aug 2012		Cont. 4



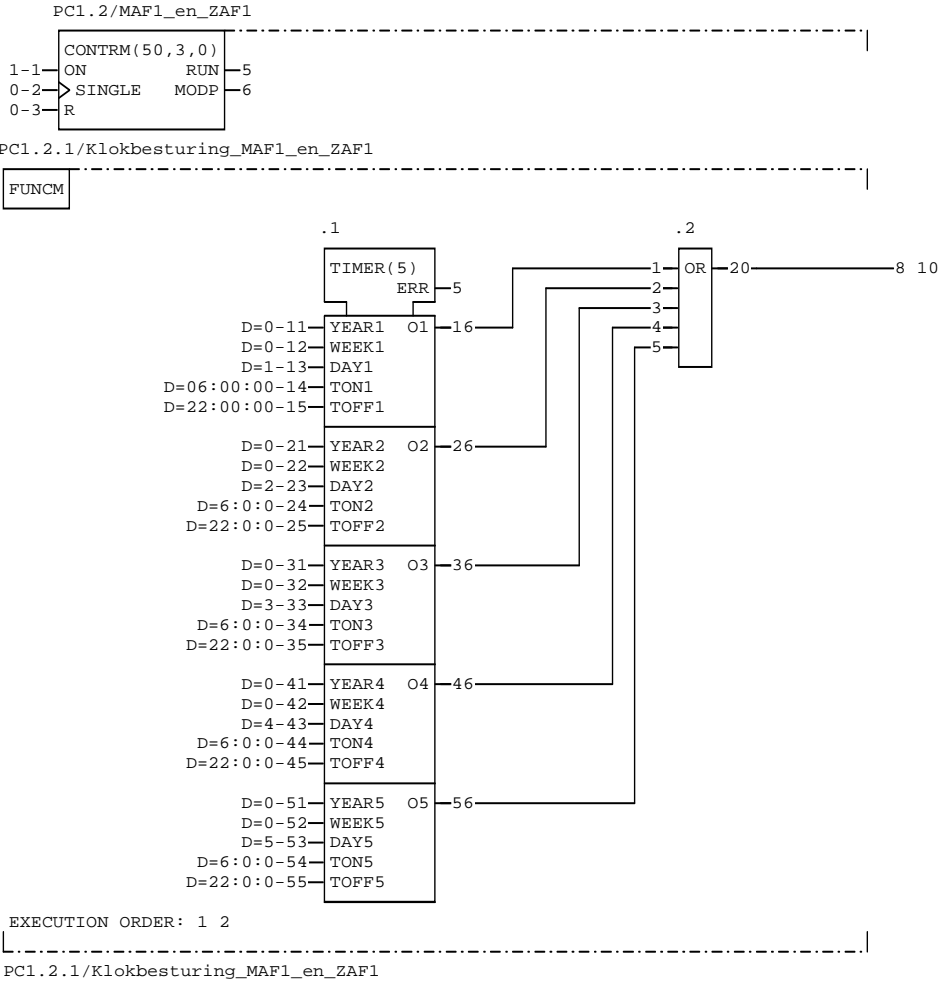
Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 4
Date	3 aug 2012			Cont. 5



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 5
Date	3 aug 2012			Cont. 6



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 6
Date	3 aug 2012		Cont. 7

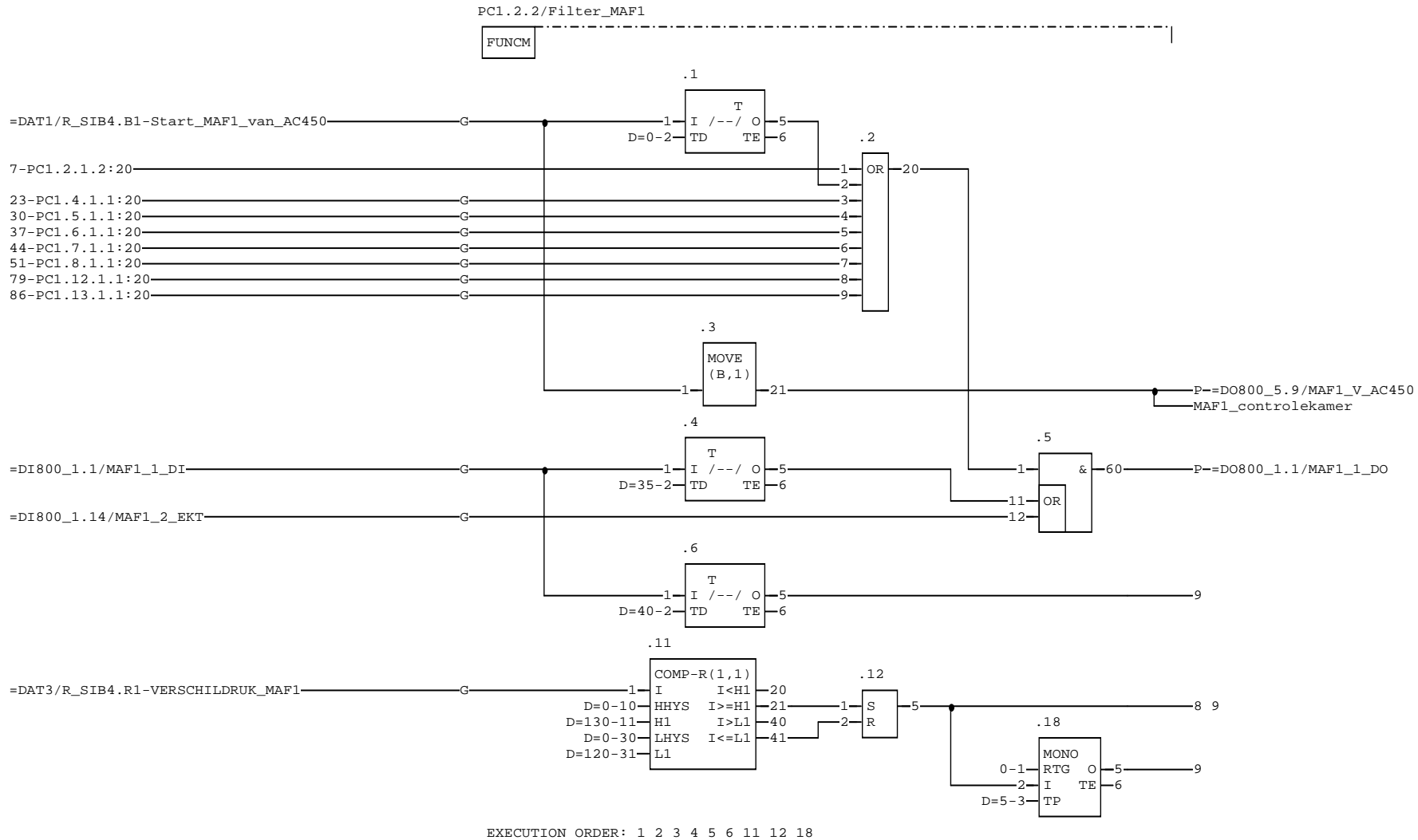


Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 7
Date	3 aug 2012		Cont. 8

ABB Automation and Drives

03-AUG-2012/08:37

COMMON IDENTITY: PC1.2

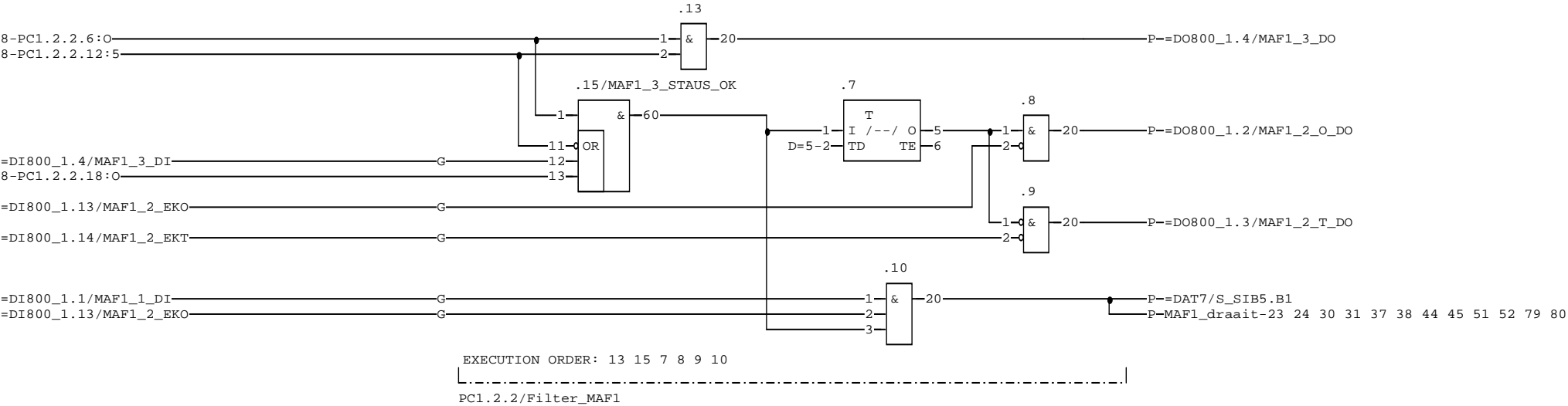


Design ch.	BVH/TL	PC DIAGRAM PC1	Lang.
Tech. ref.		Laden uit bunkers 60-69 en 85-86	Rev. ind.
Resp. dept.	E & I		Sheet 8
Date	3 aug 2012		Cont. 9

ABB Automation and Drives

03-AUG-2012/08:37

COMMON IDENTITY: PC1.2.2

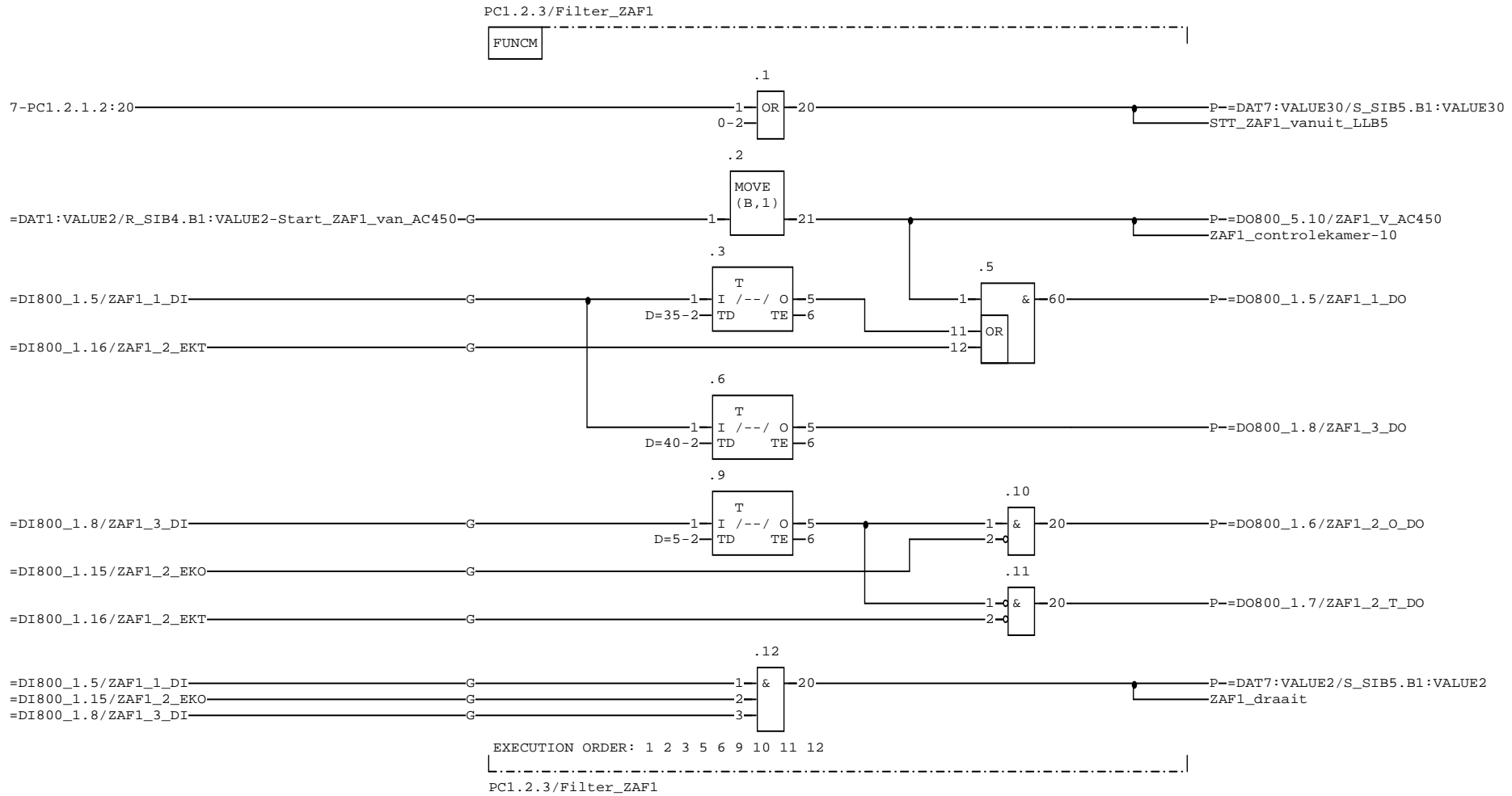


Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 9
Date	3 aug 2012		Cont. 10

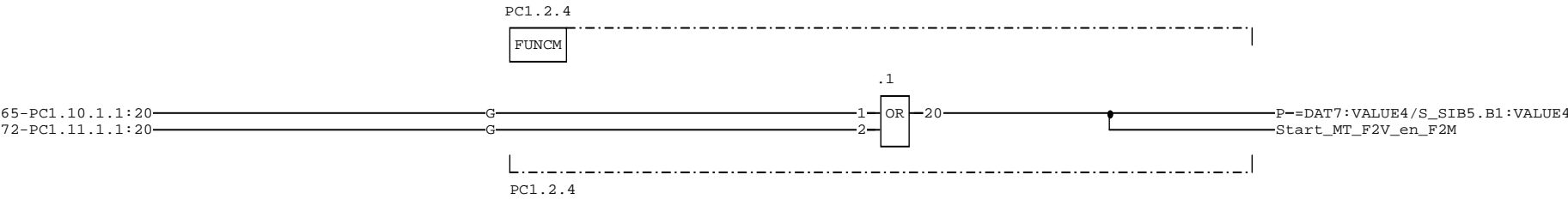
ABB Automation and Drives

03-AUG-2012/08:37

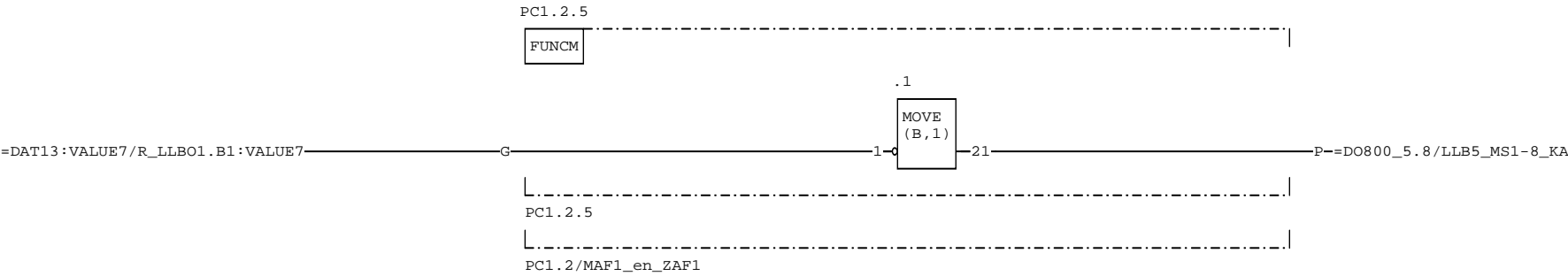
COMMON IDENTITY: PC1.2



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 10
Date	3 aug 2012		Cont. 11



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 11
Date	3 aug 2012			Cont. 12



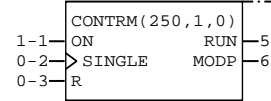
Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 12
Date	3 aug 2012		Cont. 13

ABB Automation and Drives

03-AUG-2012/08:37

COMMON IDENTITY: PC1

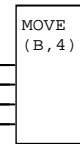
PC1.3/Hulpmodules_sequenties



PC1.3.1/Starten_stoppen_sequenties



.13



=DAT1:VALUE10/R_SIB4.B1:VALUE10—G—1—21—P-OPC_Vrijgave_MS60T-13 119
 =DAT1:VALUE11/R_SIB4.B1:VALUE11—G—2—22—P-OPC_Vrijgave_MS61T-13 119
 =DAT1:VALUE12/R_SIB4.B1:VALUE12—G—3—23—P-OPC_Vrijgave_MS62-13 120
 =DAT1:VALUE13/R_SIB4.B1:VALUE13—G—4—24—P-OPC_Vrijgave_MS63T-13 120

=DI800_2.4/LLB5_MS_H—G—1—21—P-19 23
 =DI800_2.9/LLB5_MS60_A—G—2—22—P-19 23
 21-PC1.3.2.15:I1>I2—G—3—23—P-19 23

29-PC1.4.7:RUN—G—11—21—P-19 23
 D=0-12—G—11—21—P-19 23

=DI800_2.12/LLB5_MS61_A—G—1—21—P-19 30
 36-PC1.5.7:RUN—G—11—21—P-19 30

=DI800_2.15/LLB5_MS62_A—G—1—21—P-19 37
 43-PC1.6.7:RUN—G—11—21—P-19 37

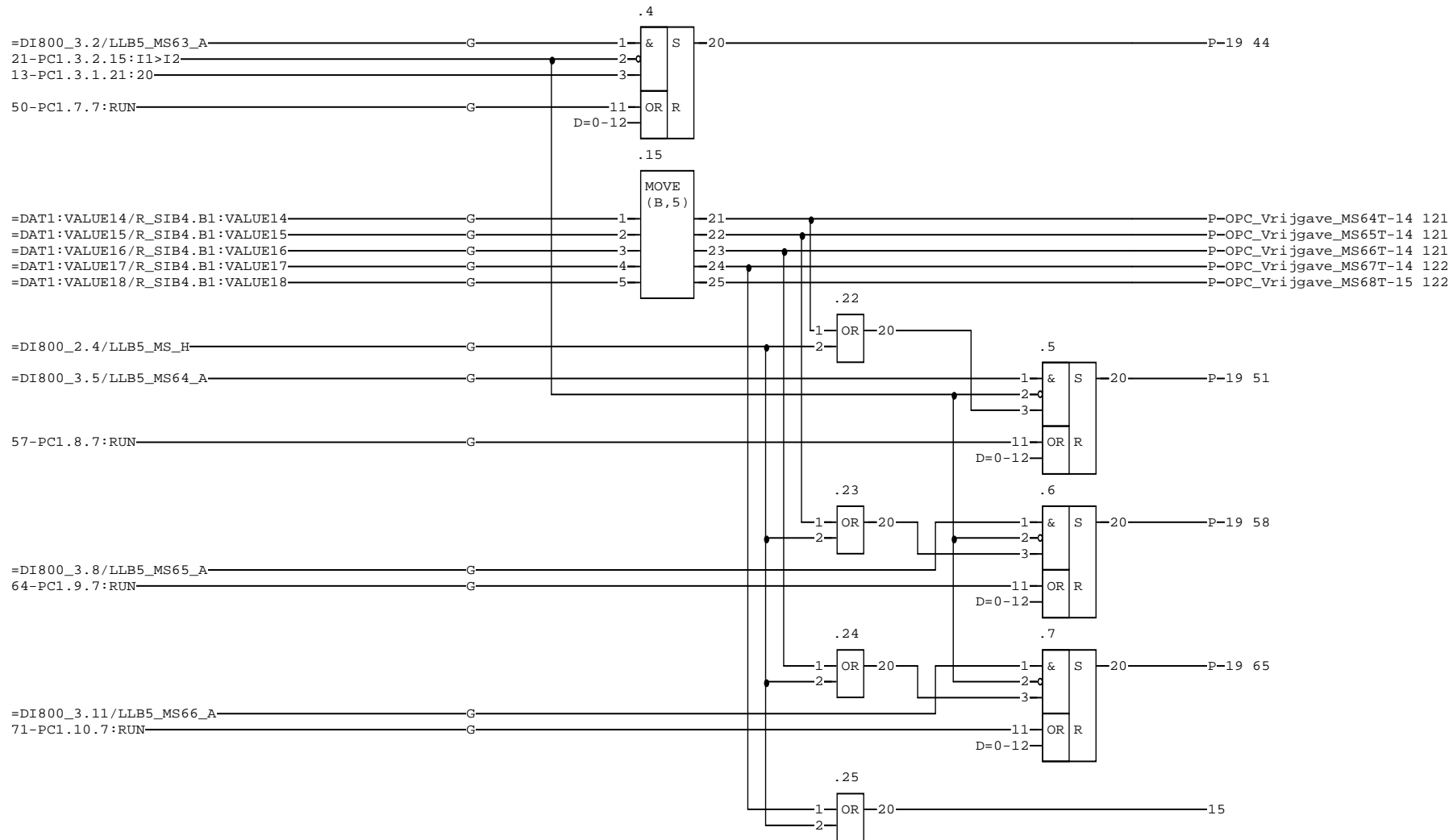
EXECUTION ORDER: 13 18 1 19 2 20 3 21

Design ch.	BVH/TL	PC DIAGRAM PC1	Lang.
Tech. ref.		Laden uit bunkers 60-69 en 85-86	Rev. ind.
Resp. dept.	E & I		Sheet 13
Date	3 aug 2012		Cont. 14

ABB Automation and Drives

03-AUG-2012/08:37

COMMON IDENTITY: PC1.3.1



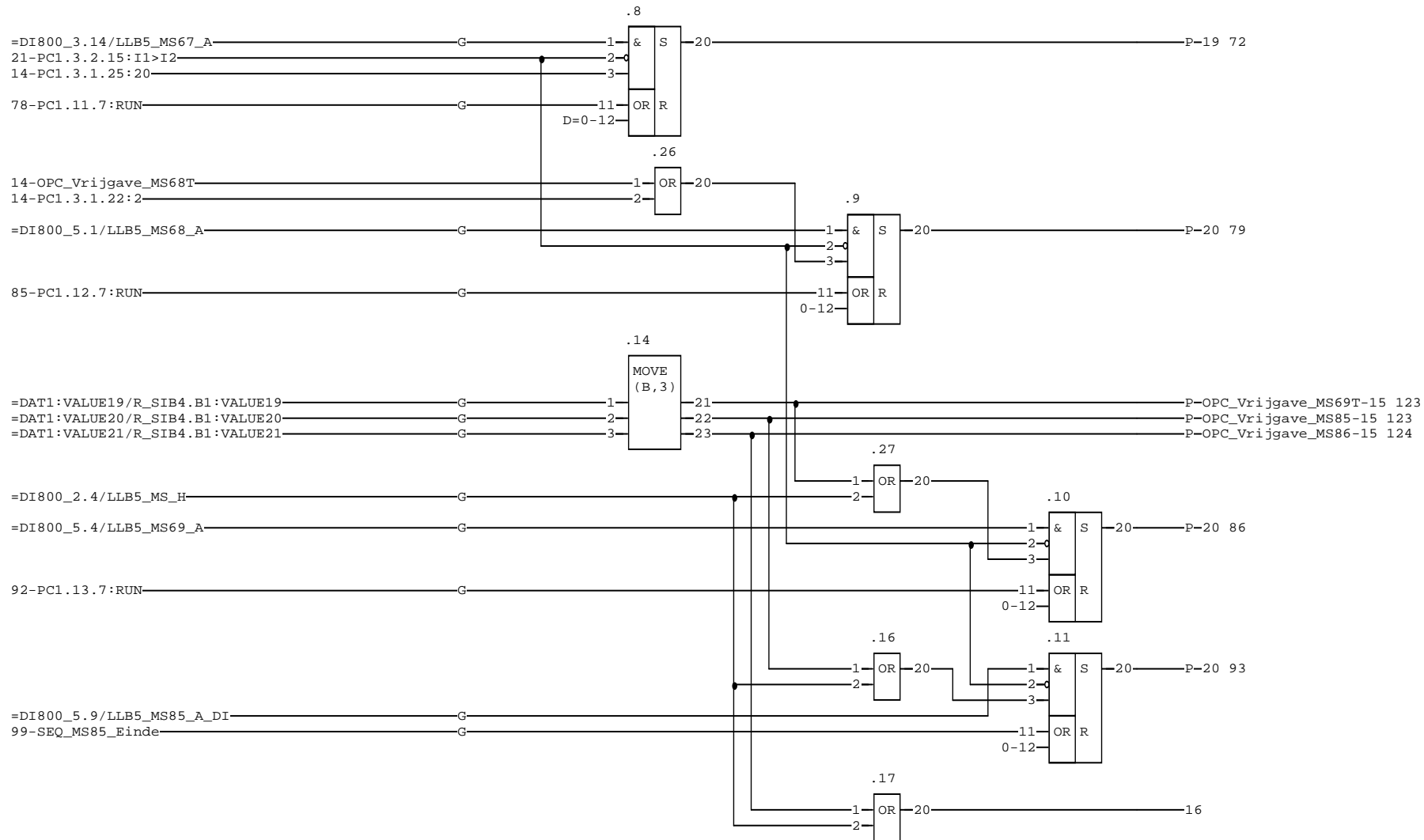
EXECUTION ORDER: 4 15 22 5 23 6 24 7 25

Design ch.	BVH/TL	PC DIAGRAM PC1	Lang.
Tech. ref.		Laden uit bunkers 60-69 en 85-86	Rev. ind.
Resp. dept.	E & I		Sheet 14
Date	3 aug 2012		Cont. 15

ABB Automation and Drives

03-AUG-2012/08:37

COMMON IDENTITY: PC1.3.1



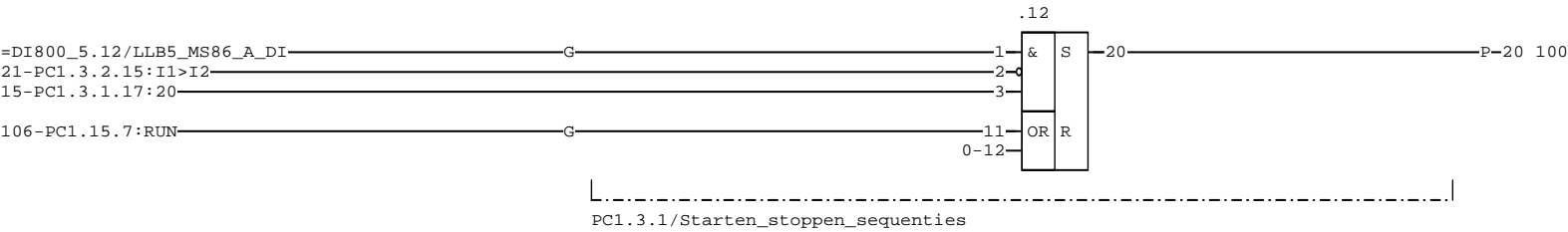
EXECUTION ORDER: 8 26 9 14 27 10 16 11 17

Design ch.	BVH/TL	PC DIAGRAM PC1	Lang.
Tech. ref.		Laden uit bunkers 60-69 en 85-86	Rev. ind.
Resp. dept.	E & I		Sheet 15
Date	3 aug 2012		Cont. 16

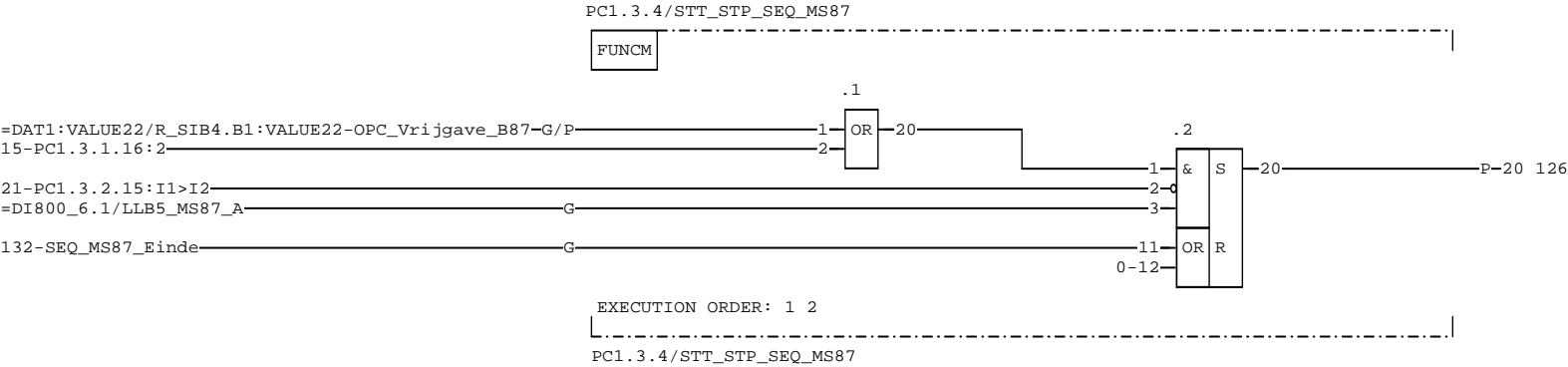
ABB Automation and Drives

03-AUG-2012/08:37

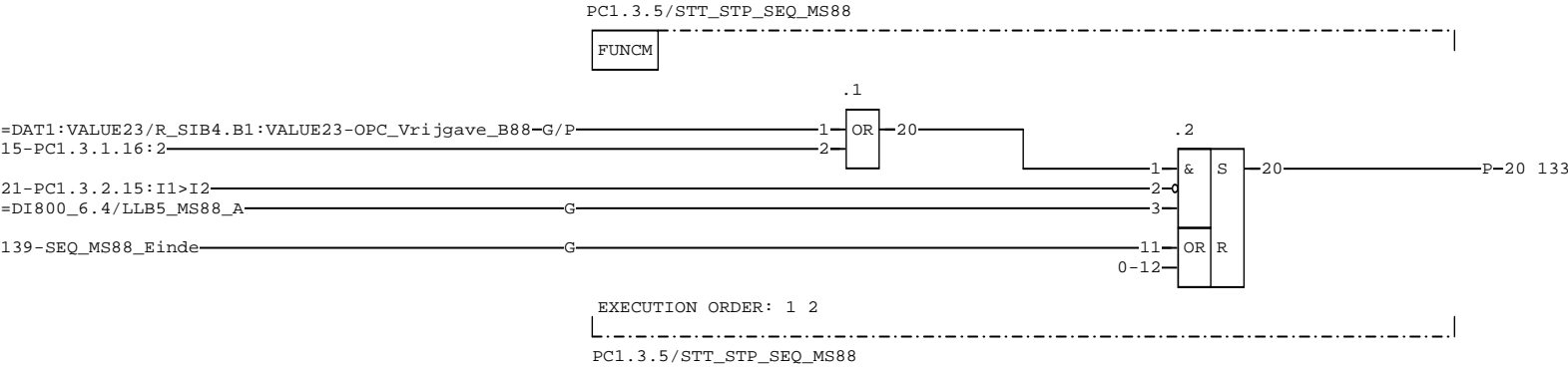
COMMON IDENTITY: PC1.3.1



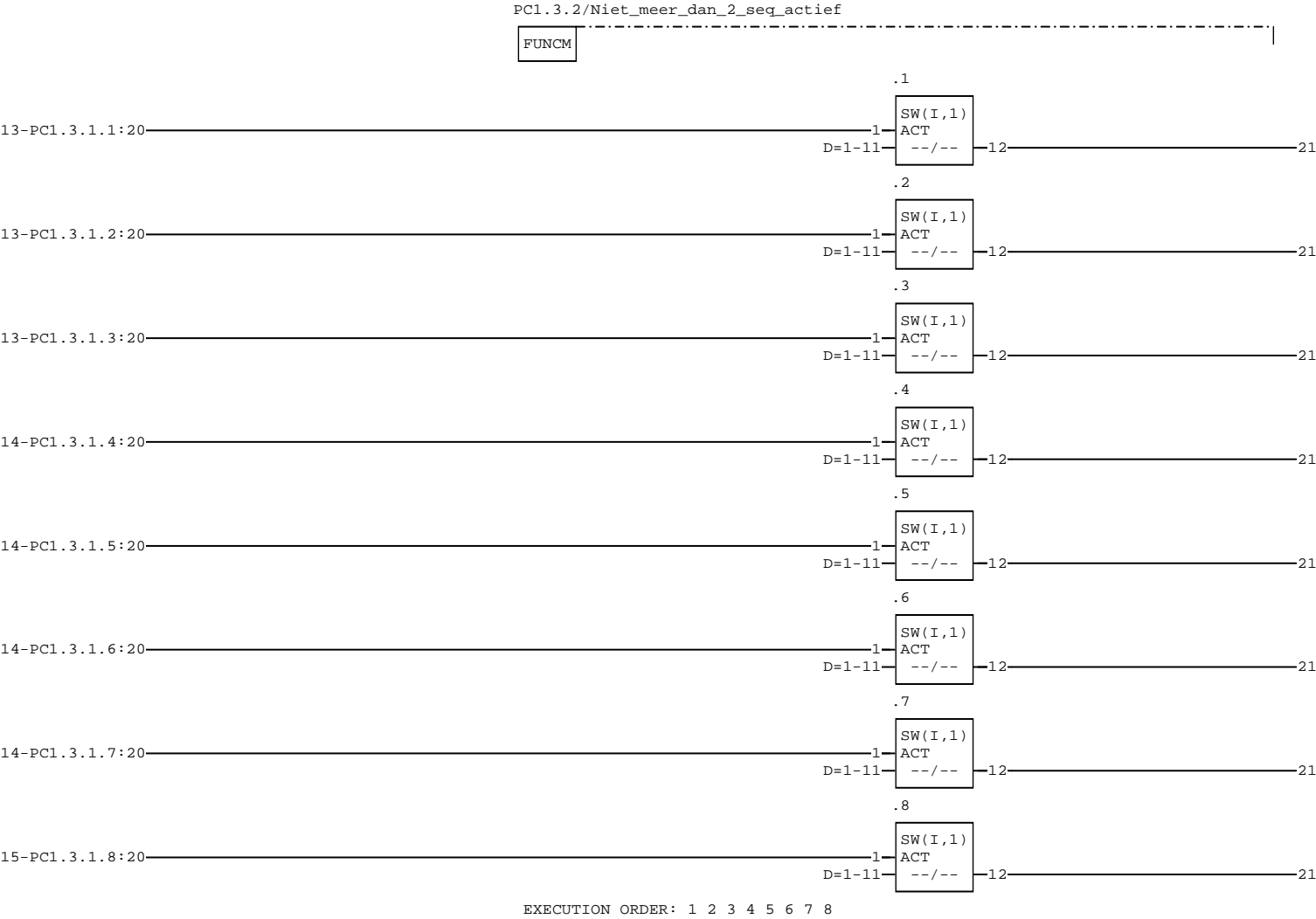
Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 16
Date	3 aug 2012			Cont. 17



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 17
Date	3 aug 2012		Cont. 18



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 18
Date	3 aug 2012			Cont. 19

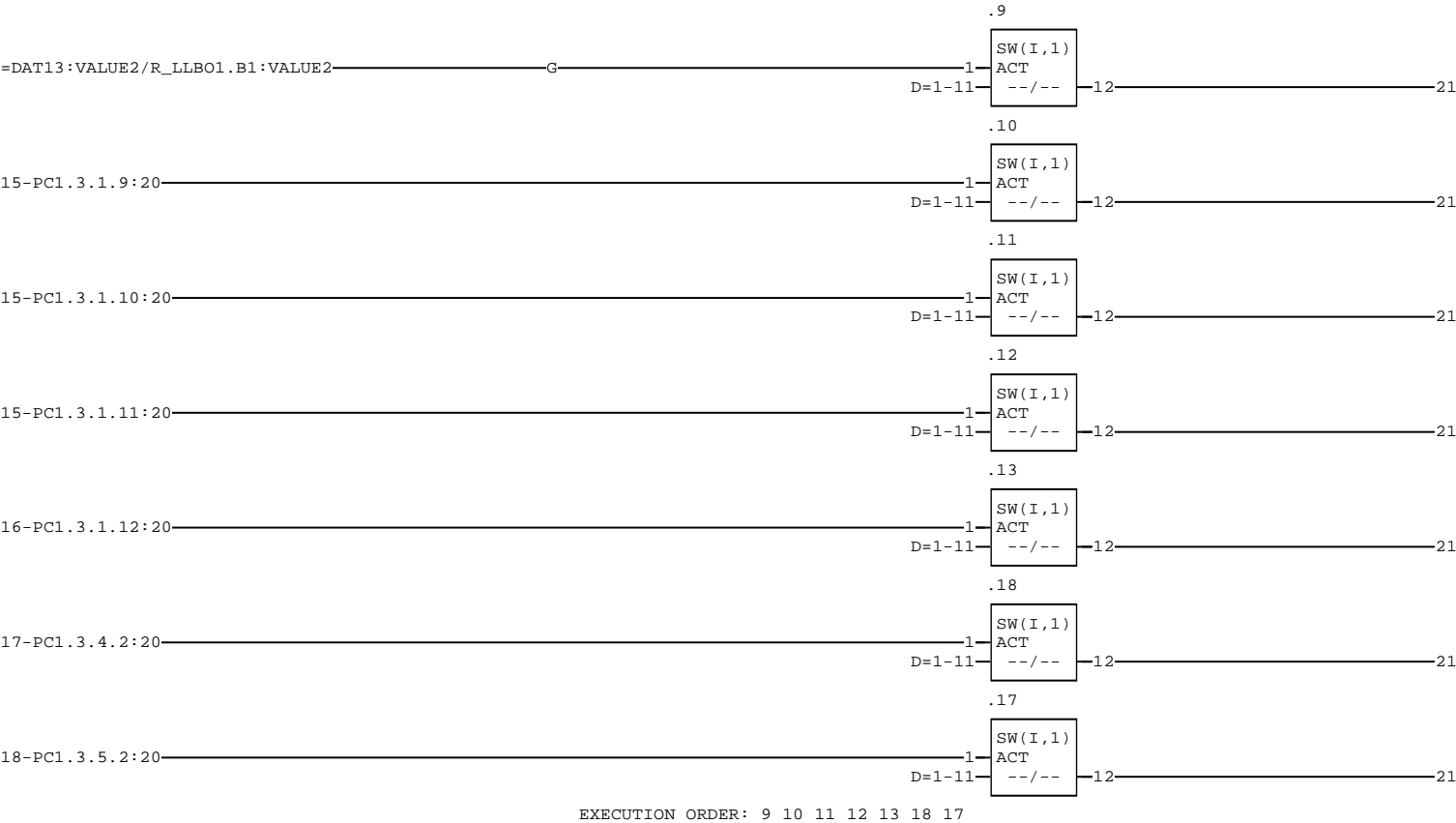


Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 19
Date	3 aug 2012			Cont. 20

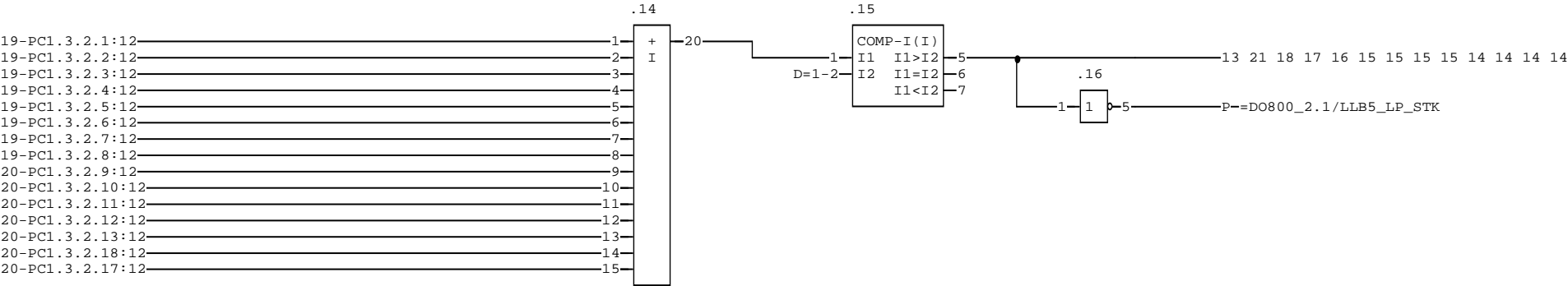
ABB Automation and Drives

03-AUG-2012/08:37

COMMON IDENTITY: PC1.3.2



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.	
Tech. ref.			Rev. ind.	
Resp. dept.	E & I		Sheet	20
Date	3 aug 2012		Cont.	21



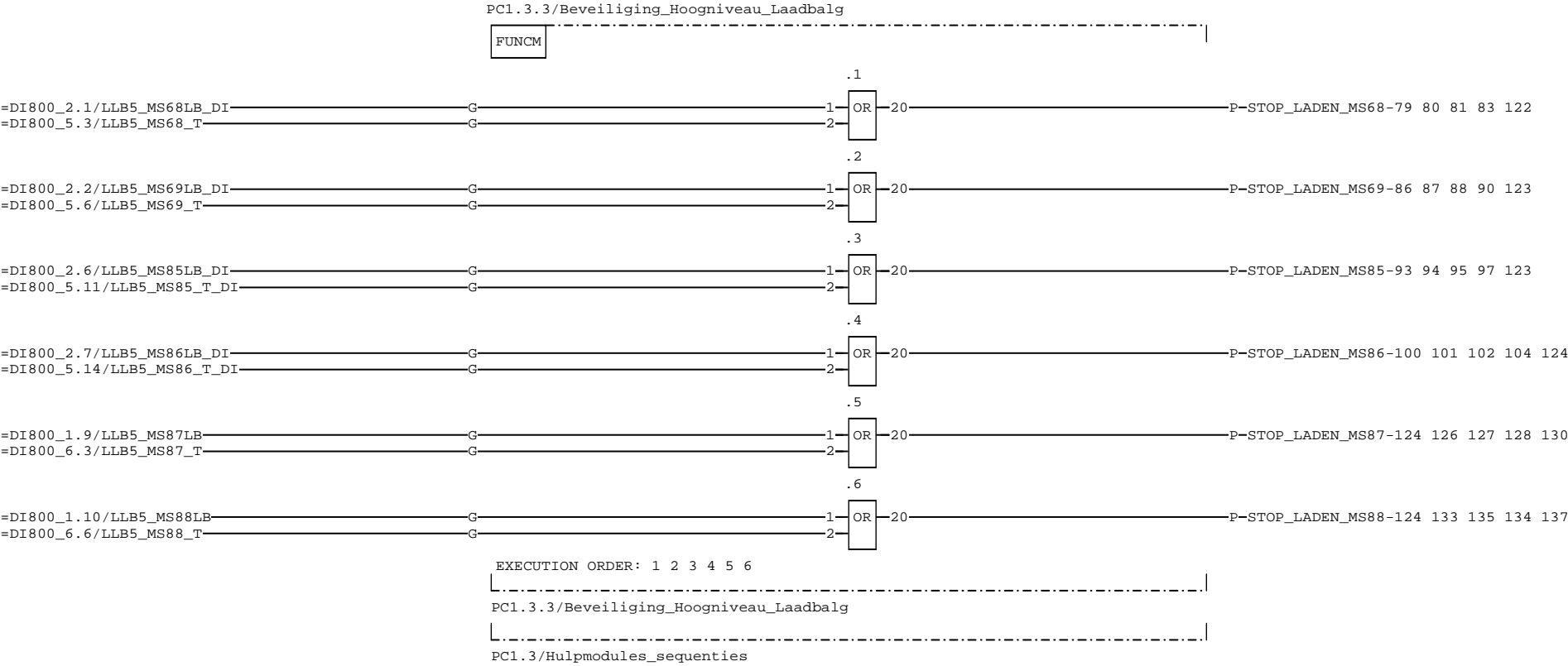
PC1.3.2/Niet_meer_dan_2_seq_actief

Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86			Lang.
Tech. ref.					Rev. ind.
Resp. dept.	E & I				Sheet 21
Date	3 aug 2012				Cont. 22

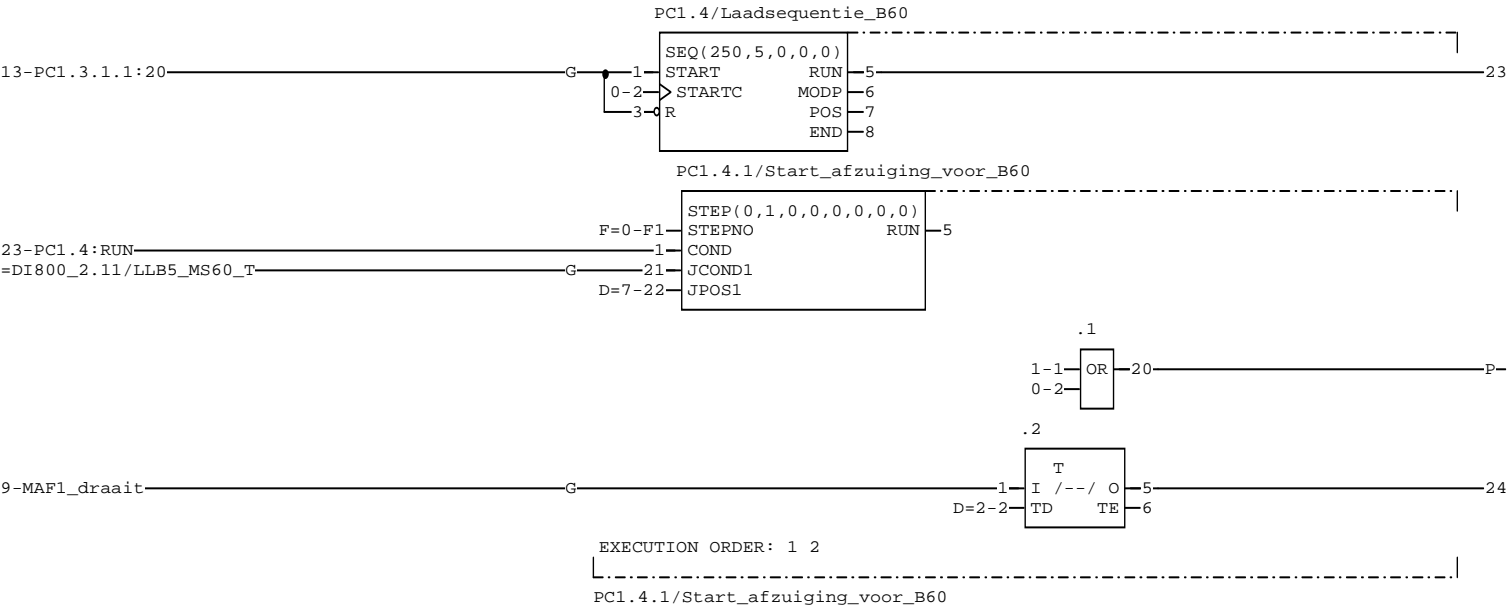
ABB Automation and Drives

03-AUG-2012/08:37

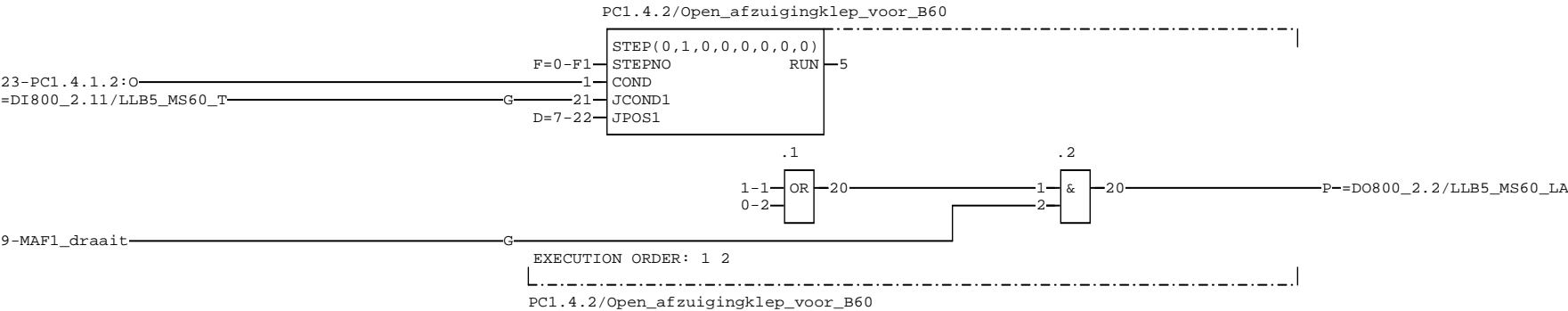
COMMON IDENTITY: PC1.3



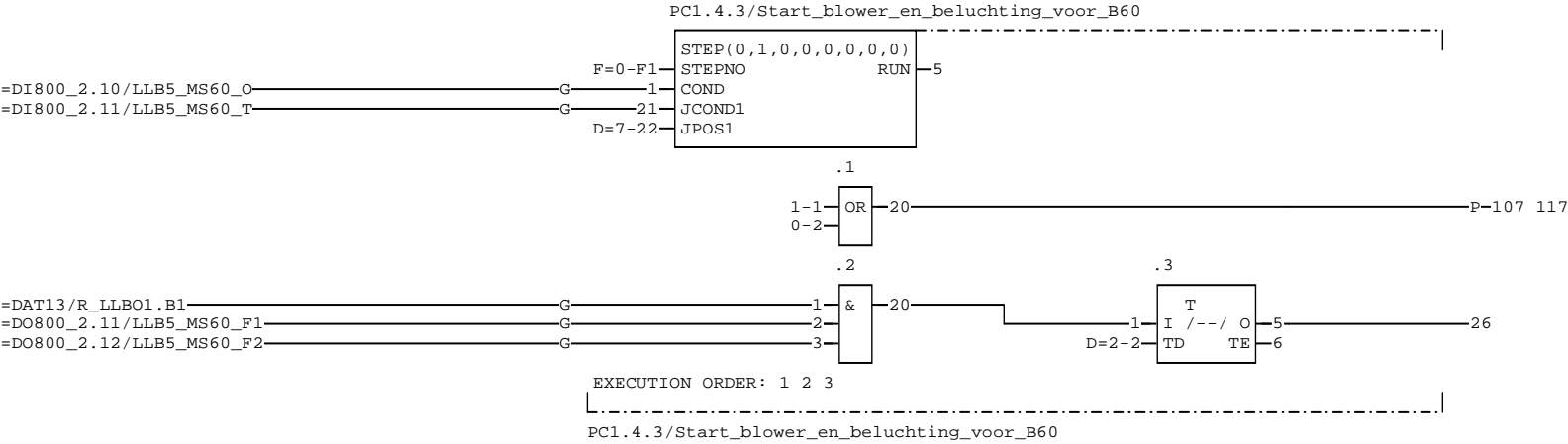
Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.	
Tech. ref.			Rev. ind.	
Resp. dept.	E & I		Sheet	22
Date	3 aug 2012		Cont.	23



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 23
Date	3 aug 2012			Cont. 24



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86			Lang.
Tech. ref.					Rev. ind.
Resp. dept.	E & I				Sheet 24
Date	3 aug 2012				Cont. 25

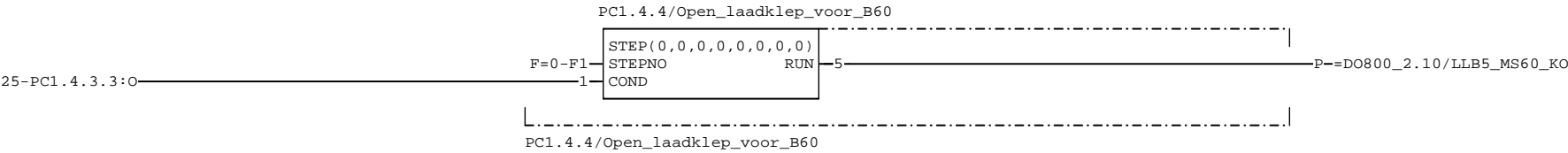


Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 25
Date	3 aug 2012			Cont. 26

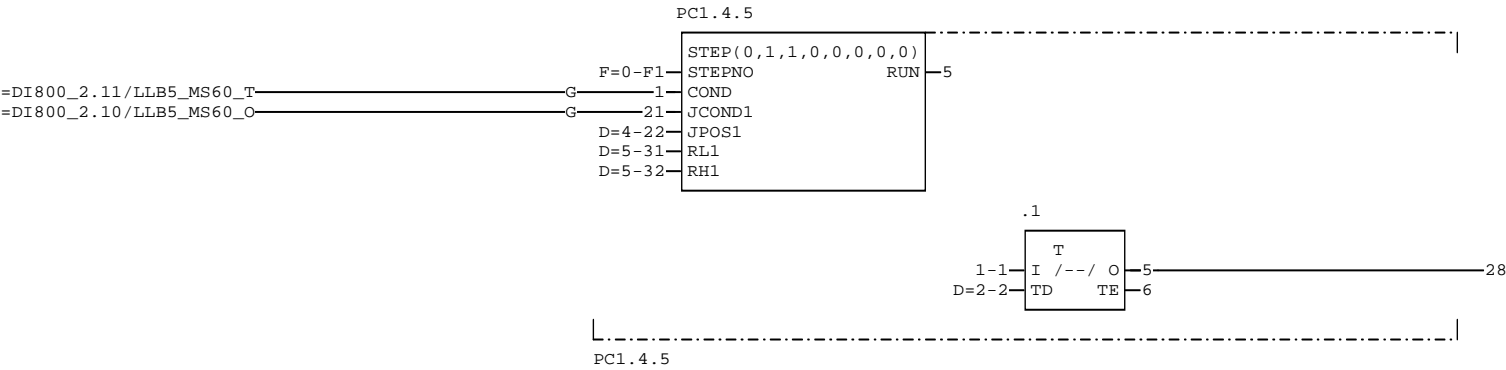
ABB Automation and Drives

03-AUG-2012/08:37

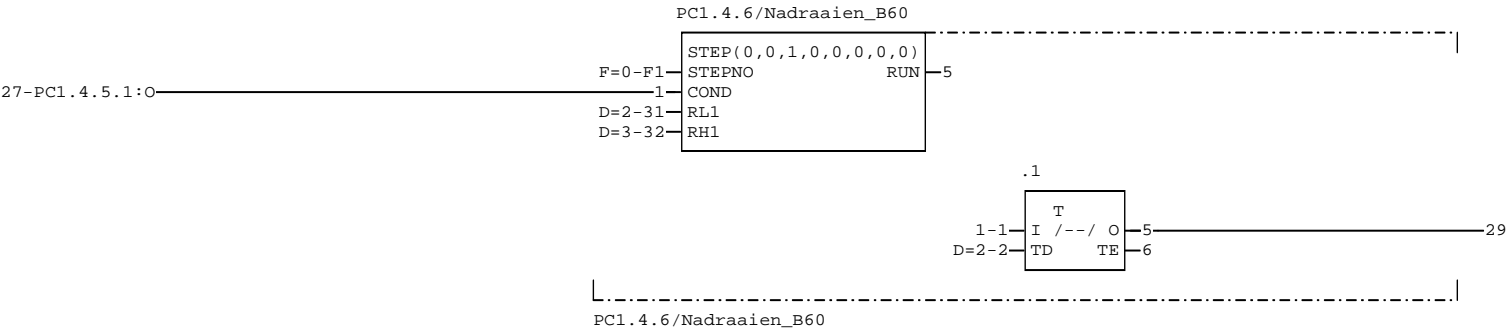
COMMON IDENTITY: PC1.4



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 26
Date	3 aug 2012			Cont. 27



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86			Lang.
Tech. ref.					Rev. ind.
Resp. dept.	E & I				Sheet 27
Date	3 aug 2012				Cont. 28

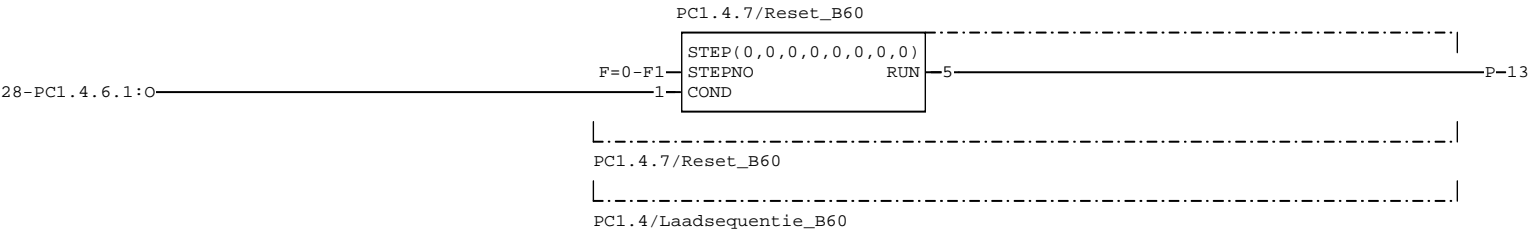


Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 28
Date	3 aug 2012			Cont. 29

ABB Automation and Drives

03-AUG-2012/08:37

COMMON IDENTITY: PC1.4



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 29
Date	3 aug 2012			Cont. 30

03-AUG-2012/08:37

COMMON IDENTITY: PC1

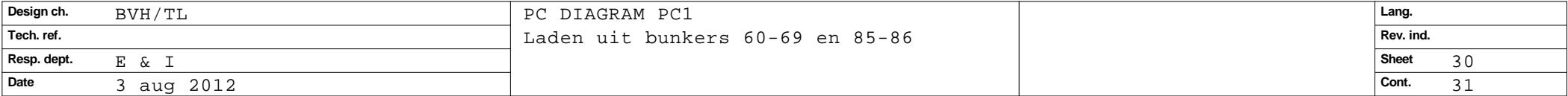
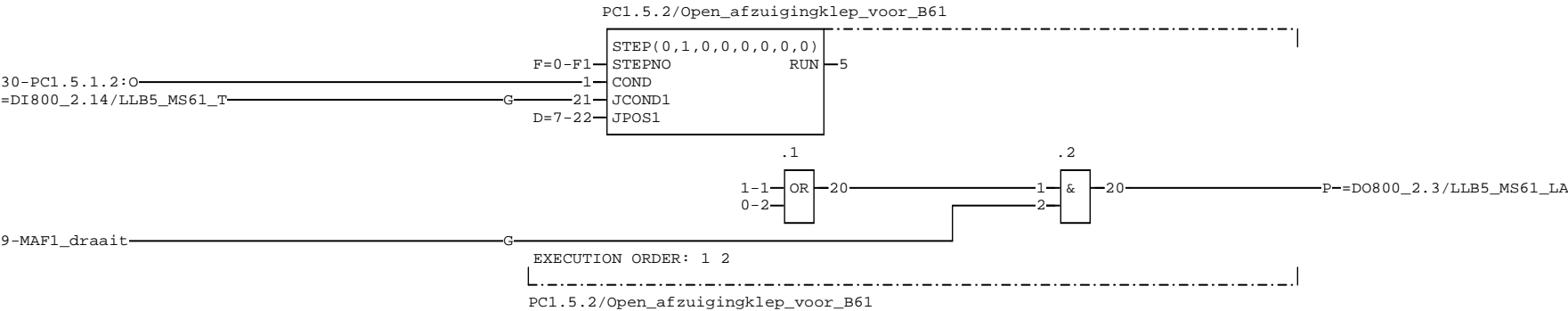


ABB Automation and Drives

03-AUG-2012/08:37

COMMON IDENTITY: PC1.5

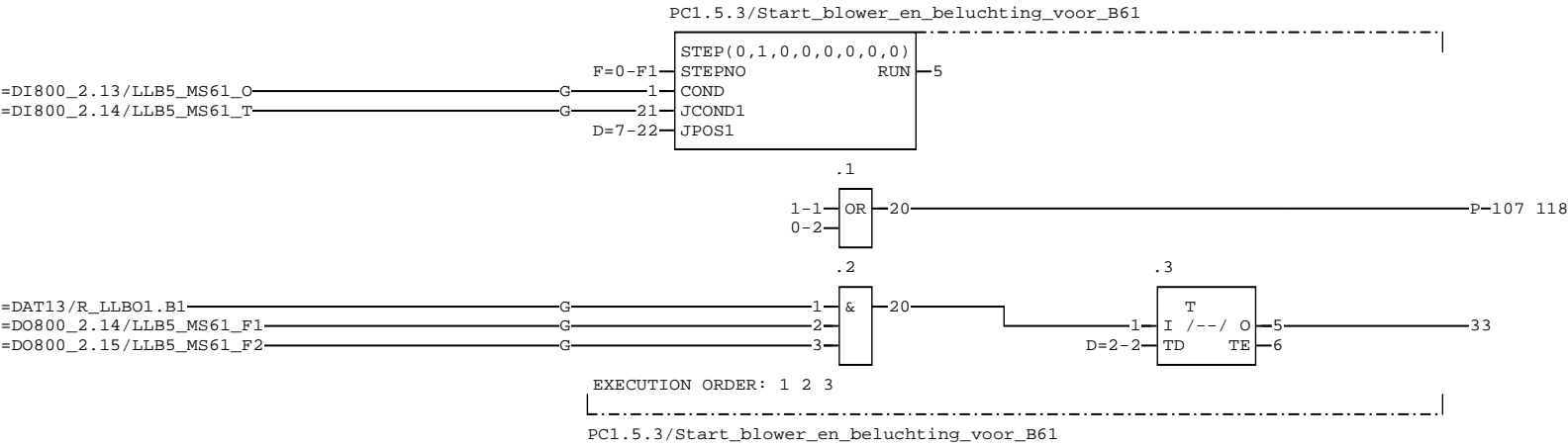


Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 31
Date	3 aug 2012		Cont. 32

ABB Automation and Drives

03-AUG-2012/08:37

COMMON IDENTITY: PC1.5

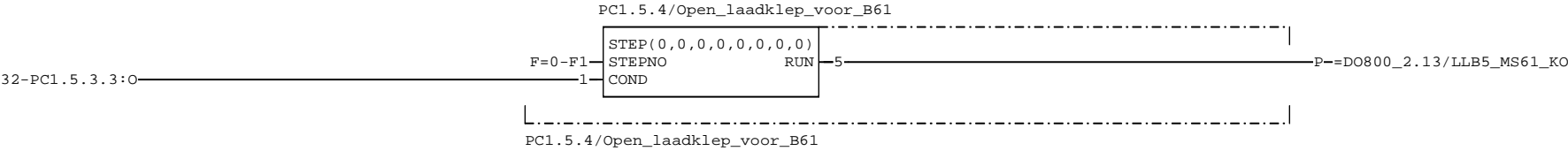


Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 32
Date	3 aug 2012		Cont. 33

ABB Automation and Drives

03-AUG-2012/08:37

COMMON IDENTITY: PC1.5

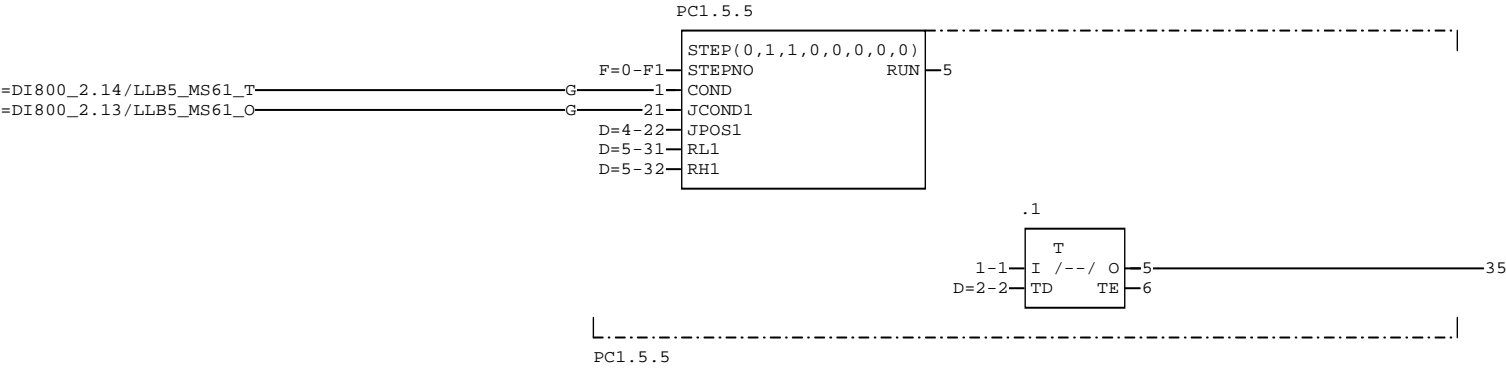


Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 33
Date	3 aug 2012			Cont. 34

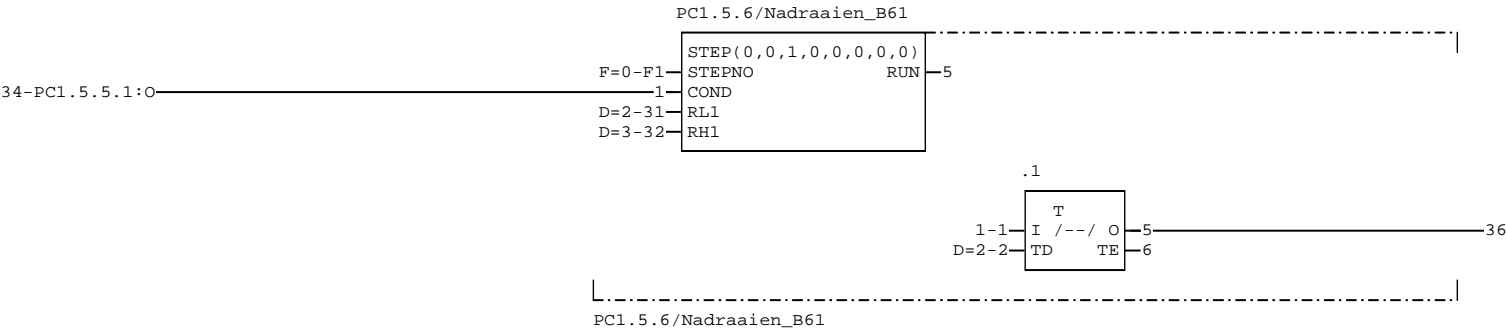
ABB Automation and Drives

03-AUG-2012/08:37

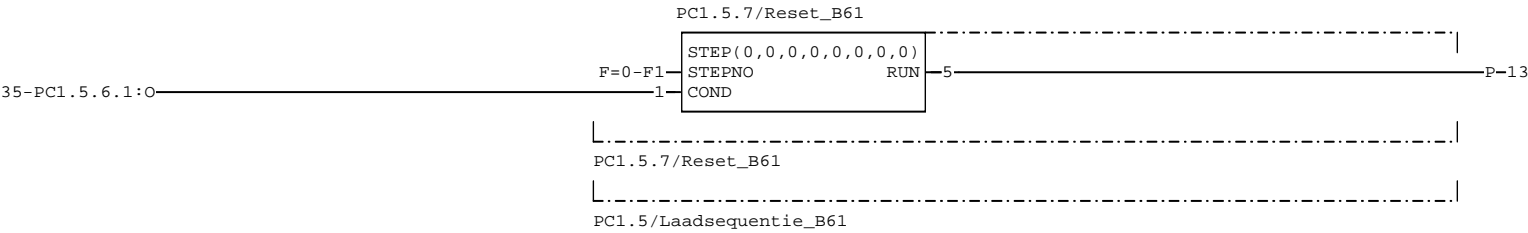
COMMON IDENTITY: PC1.5



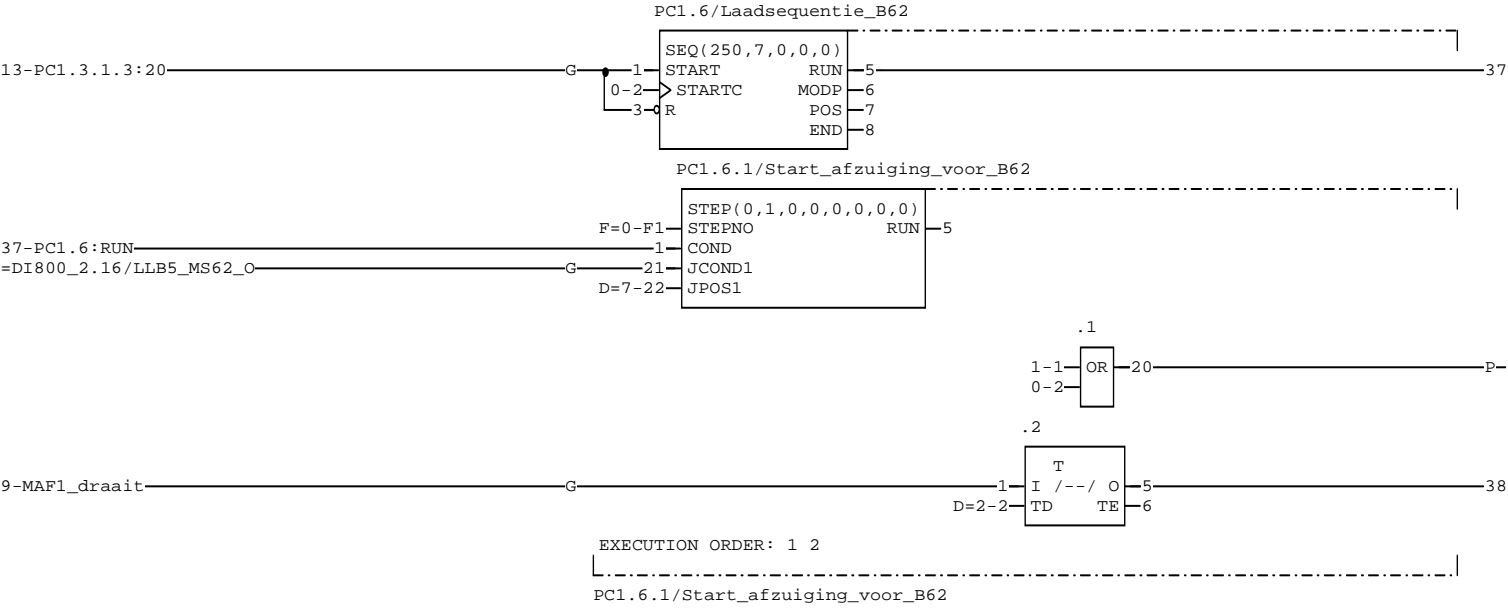
Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 34
Date	3 aug 2012		Cont. 35



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 35
Date	3 aug 2012			Cont. 36



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 36
Date	3 aug 2012			Cont. 37



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 37
Date	3 aug 2012		Cont. 38

03-AUG-2012/08:37

COMMON IDENTITY: PC1.6

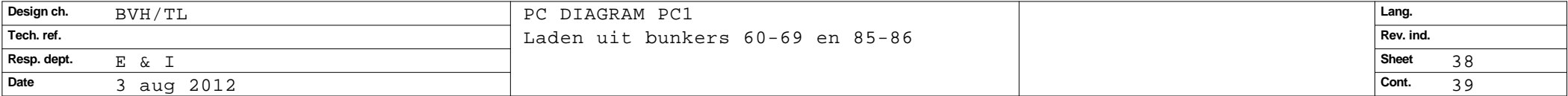
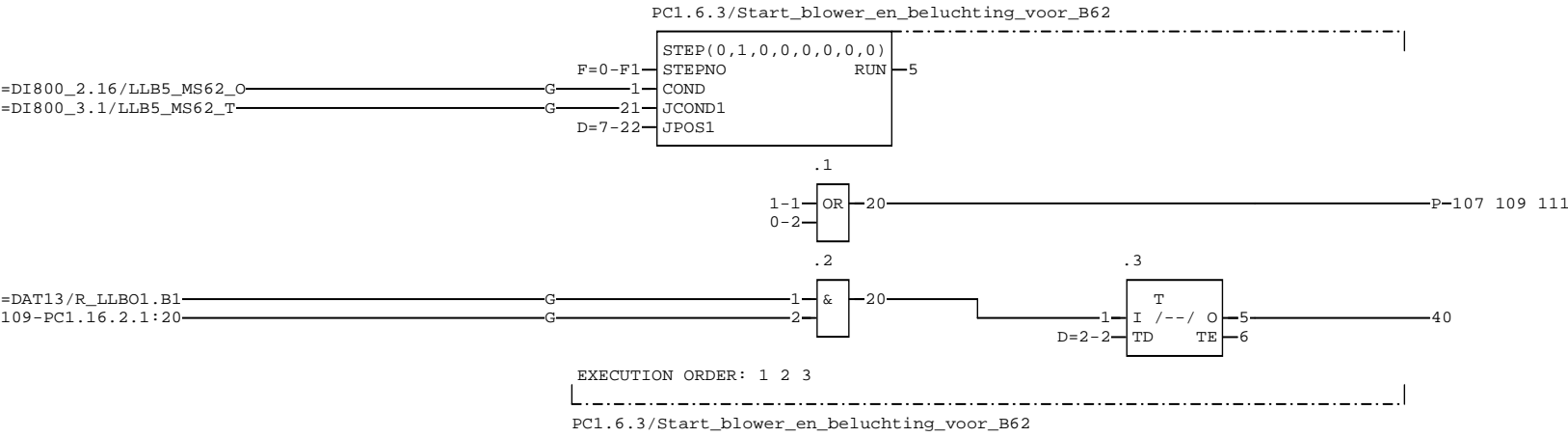


ABB Automation and Drives

03-AUG-2012/08:37

COMMON IDENTITY: PC1.6

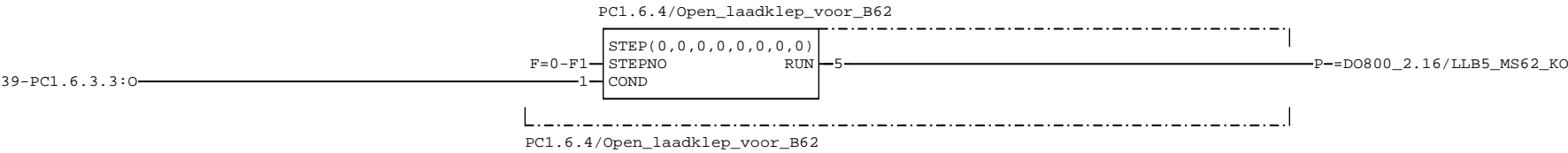


Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 39
Date	3 aug 2012			Cont. 40

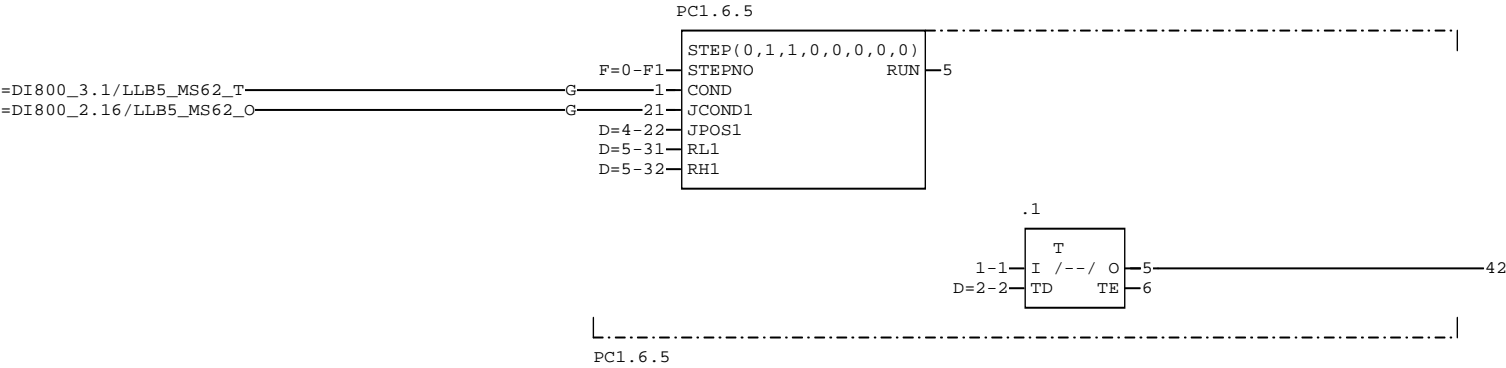
ABB Automation and Drives

03-AUG-2012/08:37

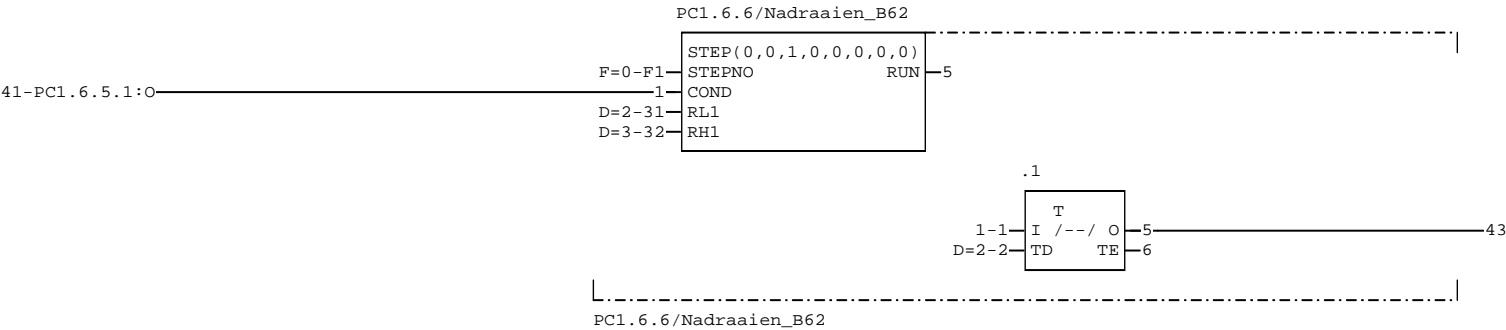
COMMON IDENTITY: PC1.6



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 40
Date	3 aug 2012			Cont. 41



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 41
Date	3 aug 2012		Cont. 42

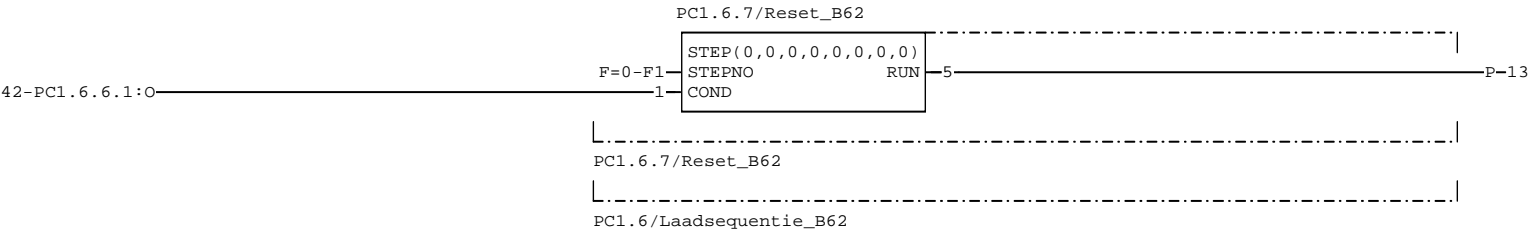


Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 42
Date	3 aug 2012			Cont. 43

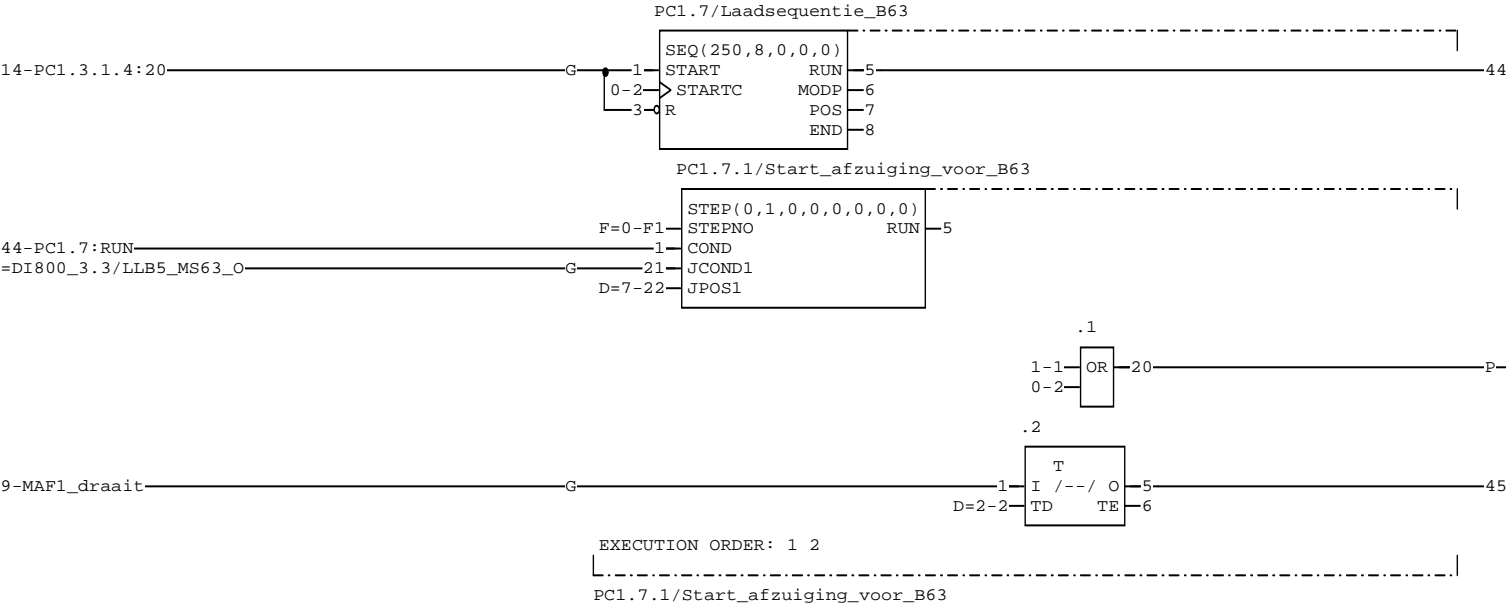
ABB Automation and Drives

03-AUG-2012/08:37

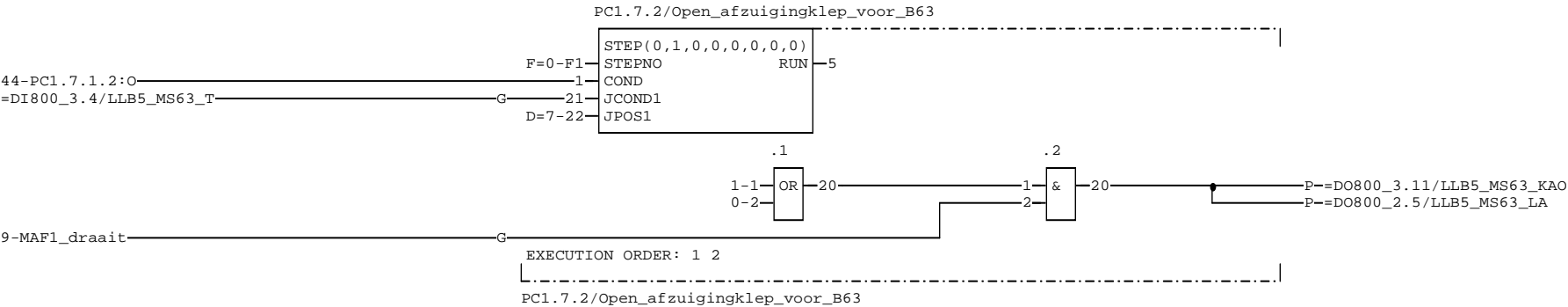
COMMON IDENTITY: PC1.6



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 43
Date	3 aug 2012			Cont. 44



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 44
Date	3 aug 2012			Cont. 45

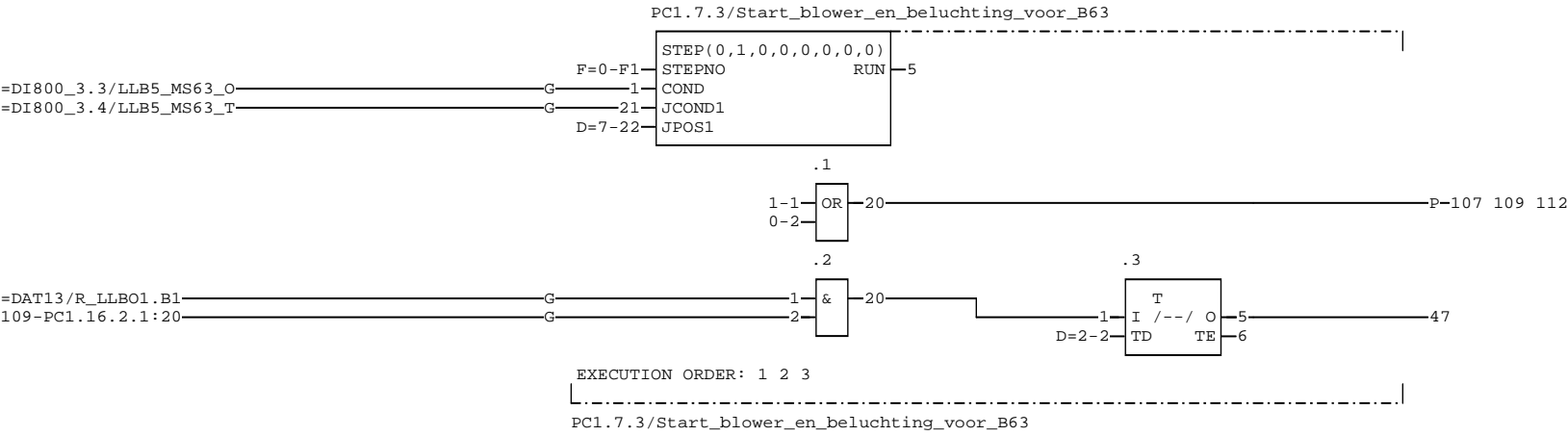


Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 45
Date	3 aug 2012			Cont. 46

ABB Automation and Drives

03-AUG-2012/08:37

COMMON IDENTITY: PC1.7

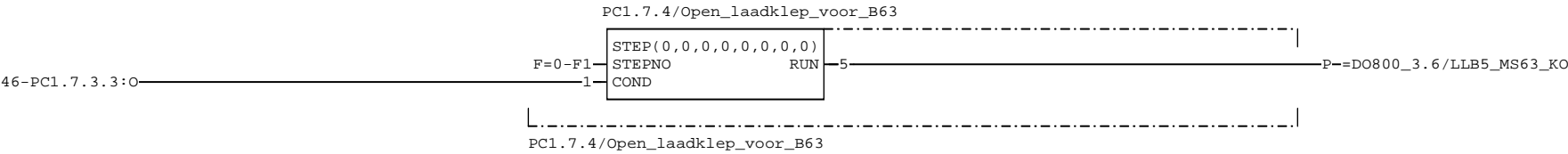


Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 46
Date	3 aug 2012			Cont. 47

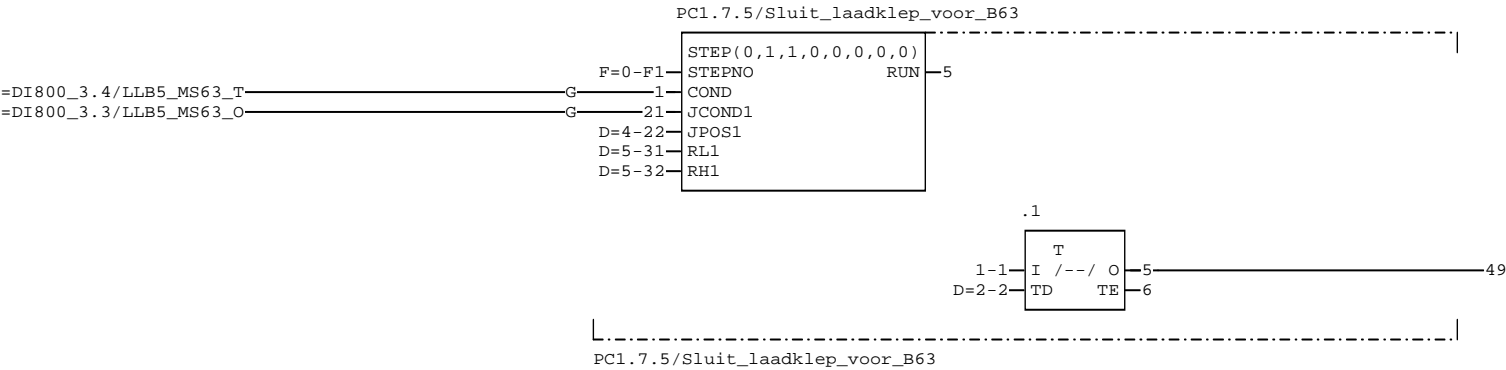
ABB Automation and Drives

03-AUG-2012/08:37

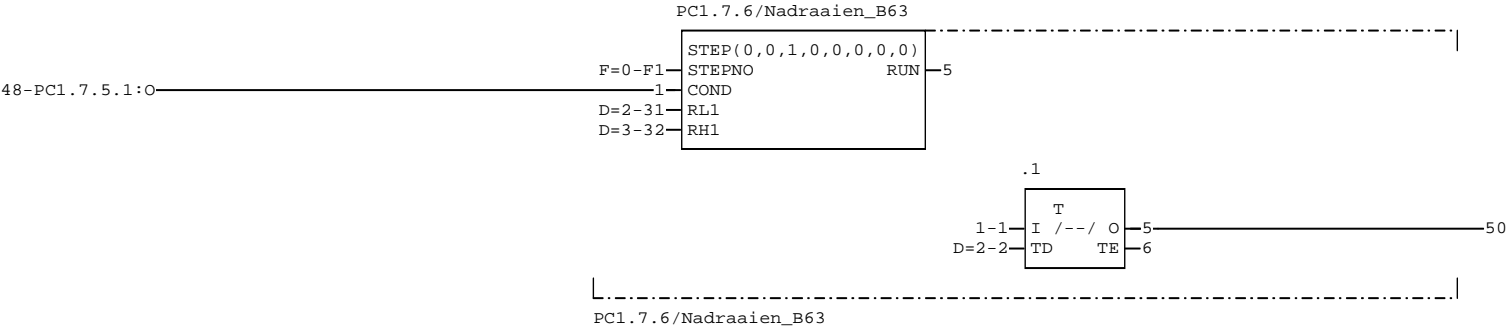
COMMON IDENTITY: PC1.7



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 47
Date	3 aug 2012		Cont. 48



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 48
Date	3 aug 2012		Cont. 49

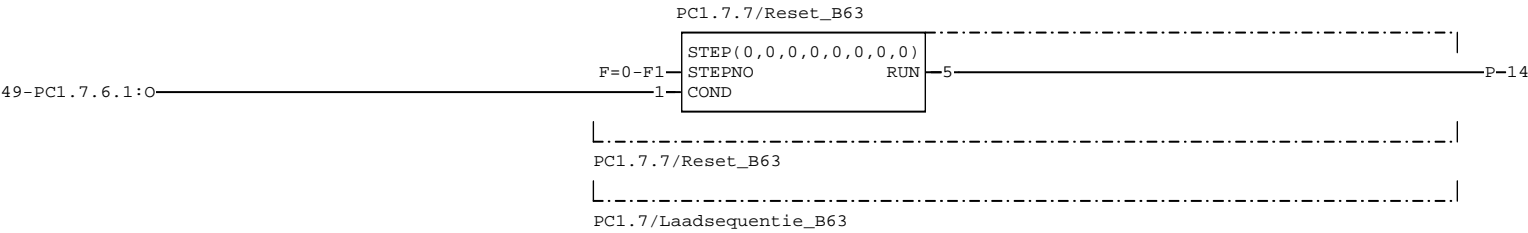


Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 49
Date	3 aug 2012		Cont. 50

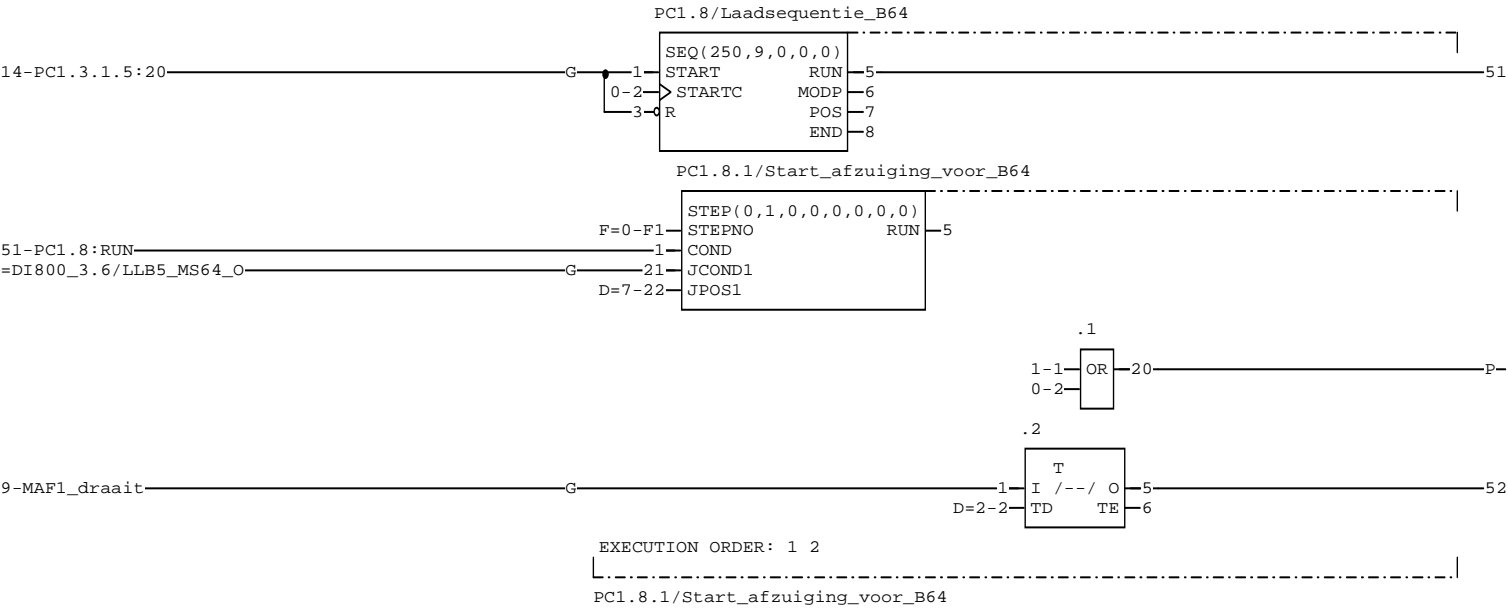
ABB Automation and Drives

03-AUG-2012/08:37

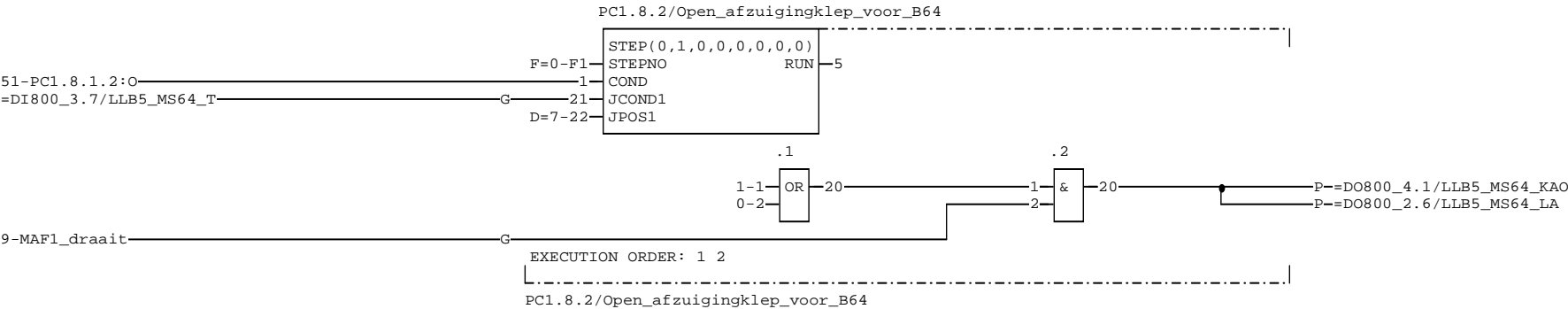
COMMON IDENTITY: PC1.7



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 50
Date	3 aug 2012			Cont. 51



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 51
Date	3 aug 2012			Cont. 52

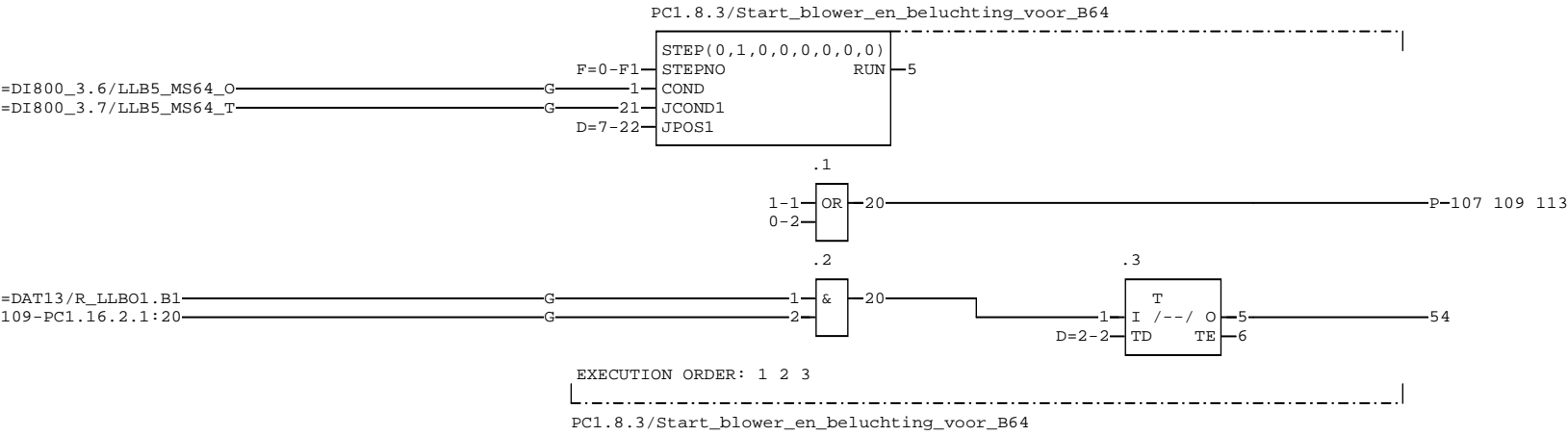


Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 52
Date	3 aug 2012			Cont. 53

ABB Automation and Drives

03-AUG-2012/08:37

COMMON IDENTITY: PC1.8

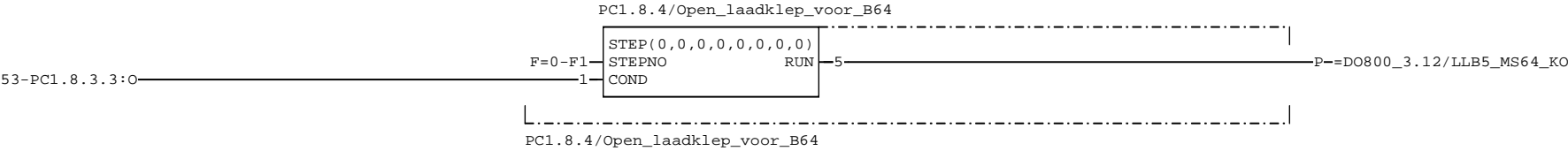


Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 53
Date	3 aug 2012			Cont. 54

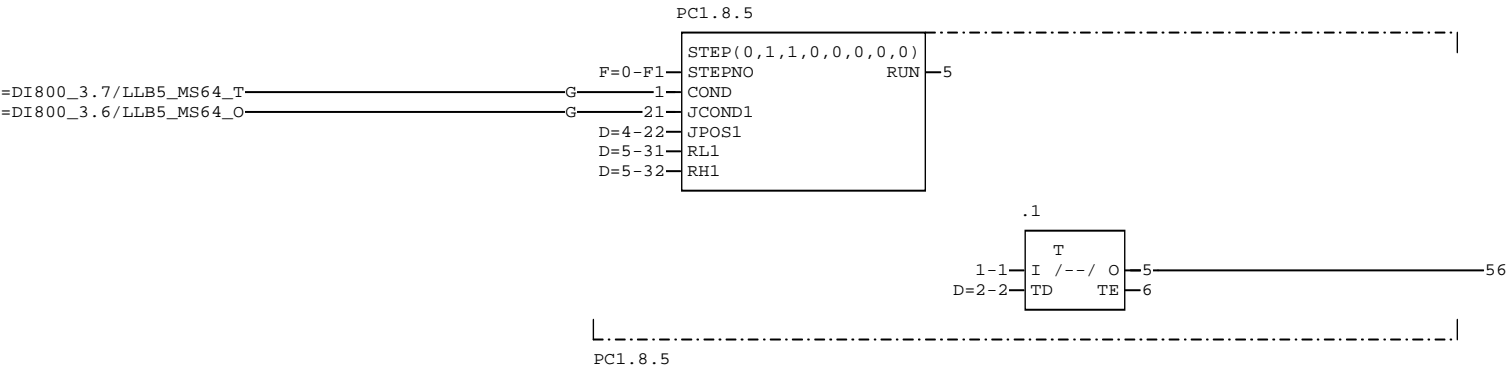
ABB Automation and Drives

03-AUG-2012/08:37

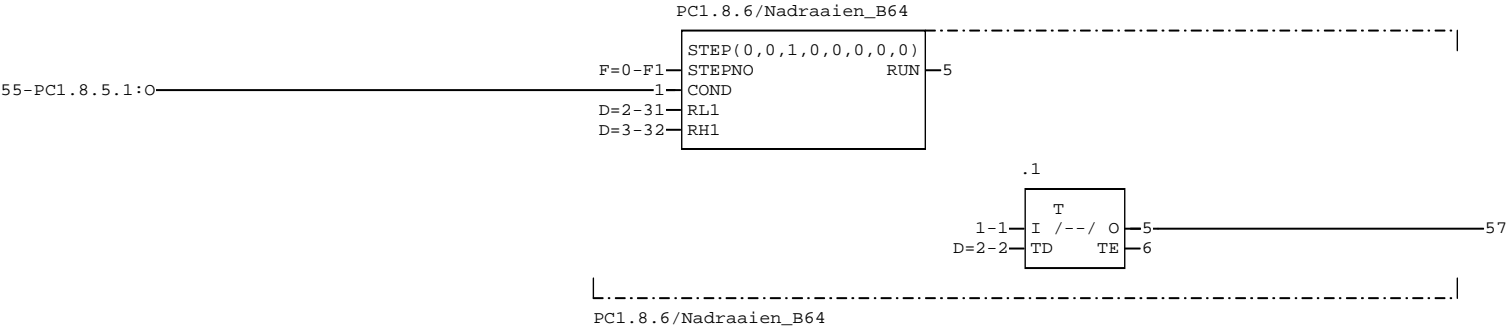
COMMON IDENTITY: PC1.8



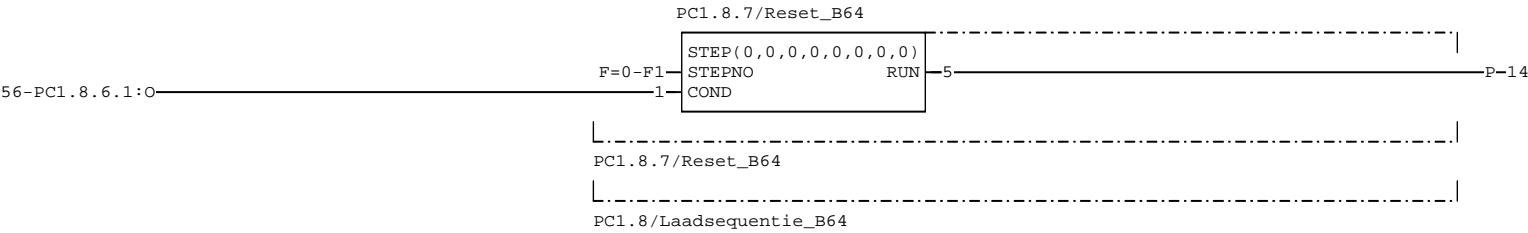
Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 54
Date	3 aug 2012			Cont. 55



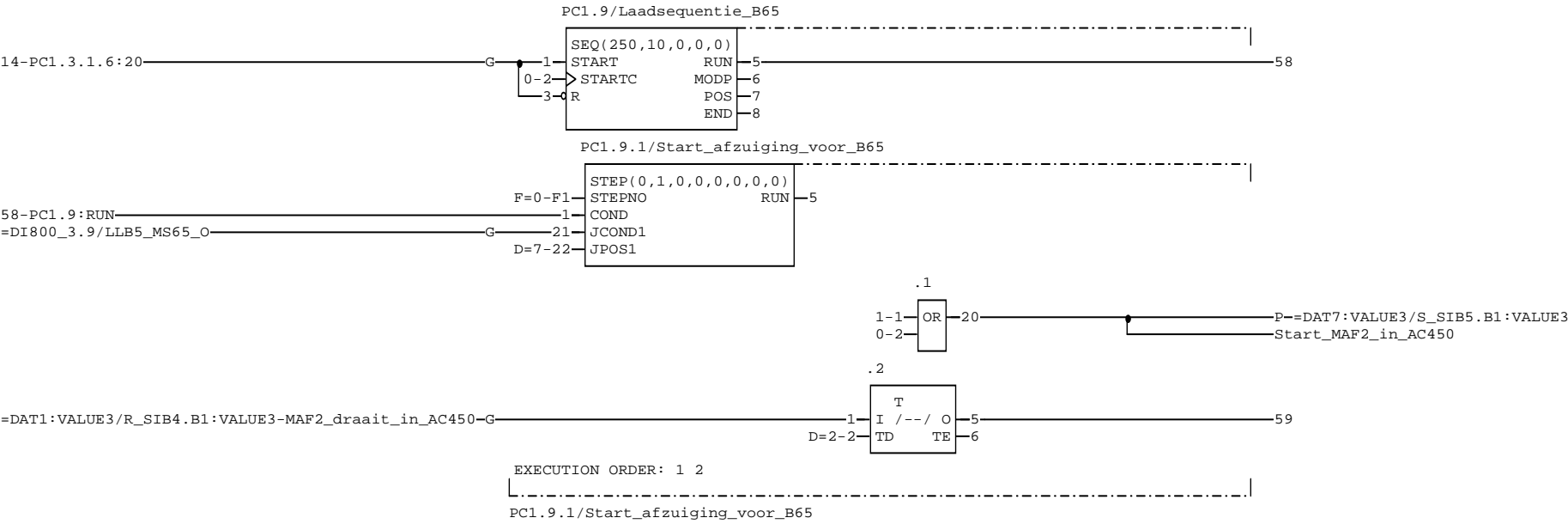
Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 55
Date	3 aug 2012		Cont. 56



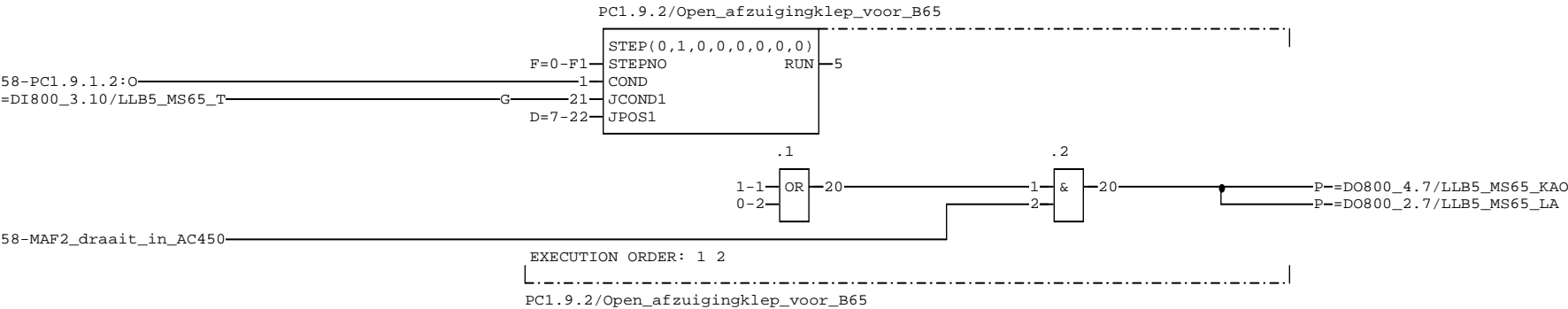
Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 56
Date	3 aug 2012			Cont. 57



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 57
Date	3 aug 2012			Cont. 58



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.	
Tech. ref.			Rev. ind.	
Resp. dept.	E & I		Sheet	58
Date	3 aug 2012		Cont.	59

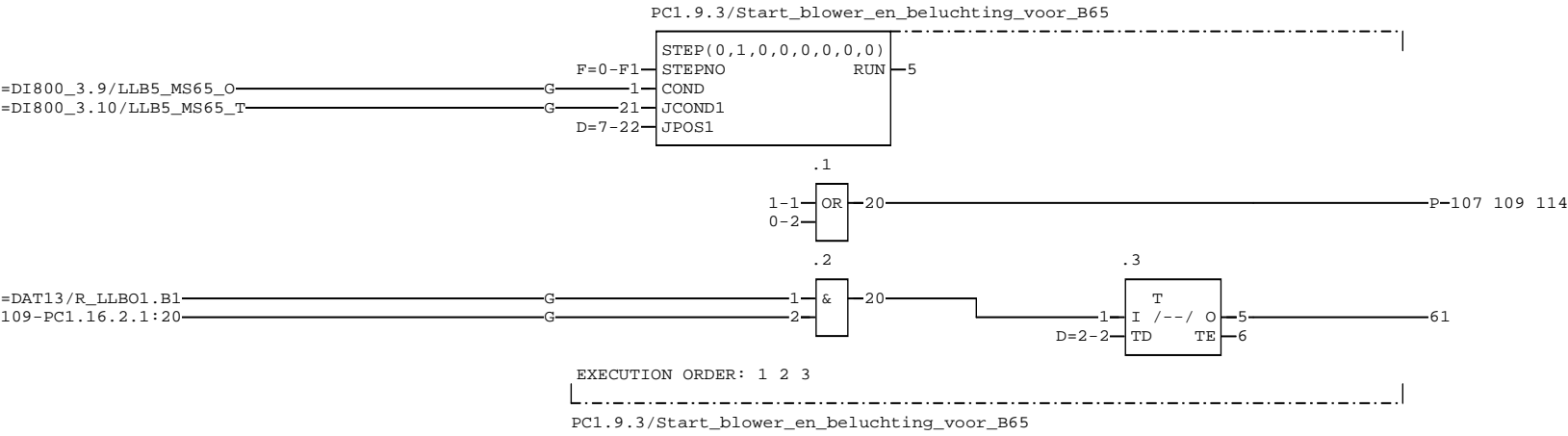


Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 59
Date	3 aug 2012			Cont. 60

ABB Automation and Drives

03-AUG-2012/08:37

COMMON IDENTITY: PC1.9

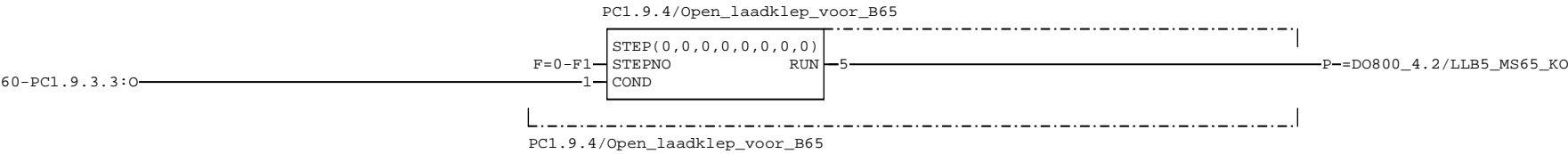


Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 60
Date	3 aug 2012		Cont. 61

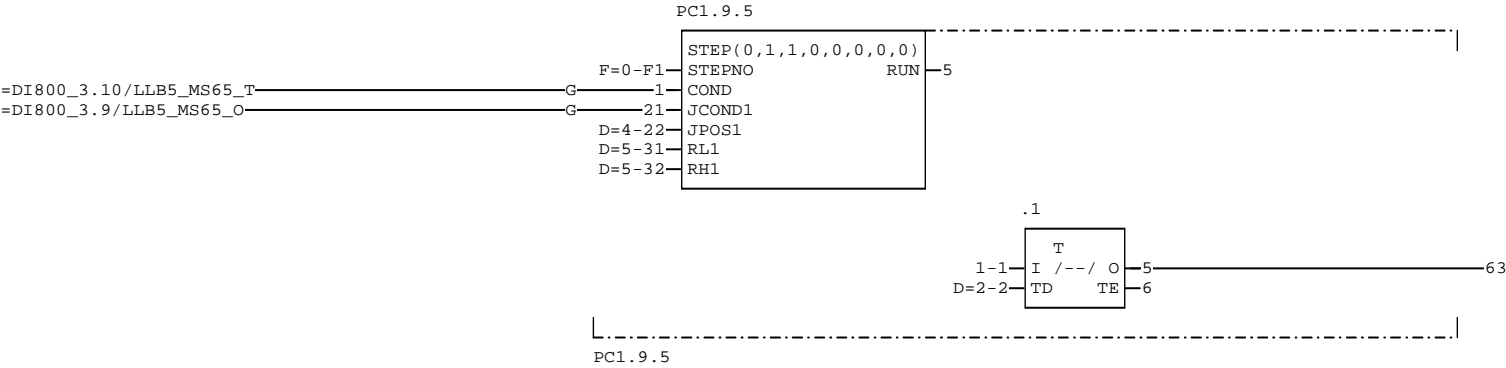
ABB Automation and Drives

03-AUG-2012/08:37

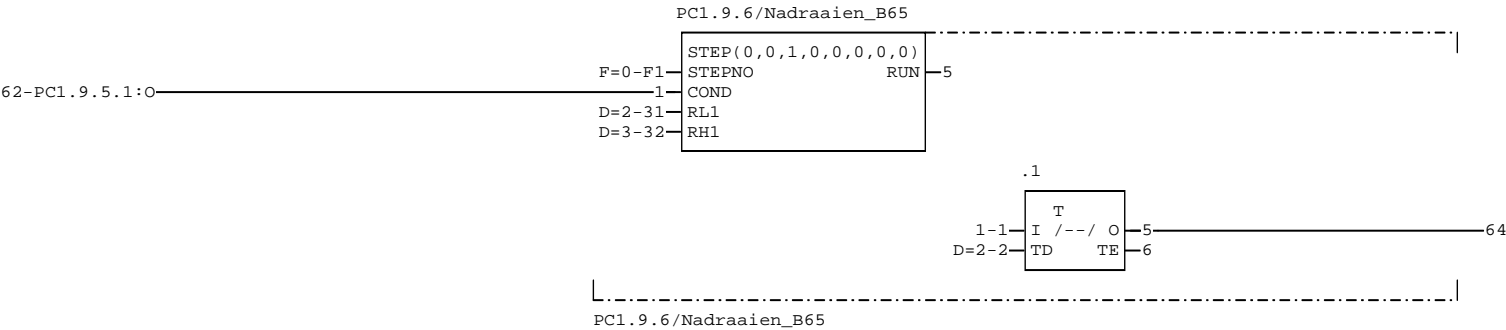
COMMON IDENTITY: PC1.9



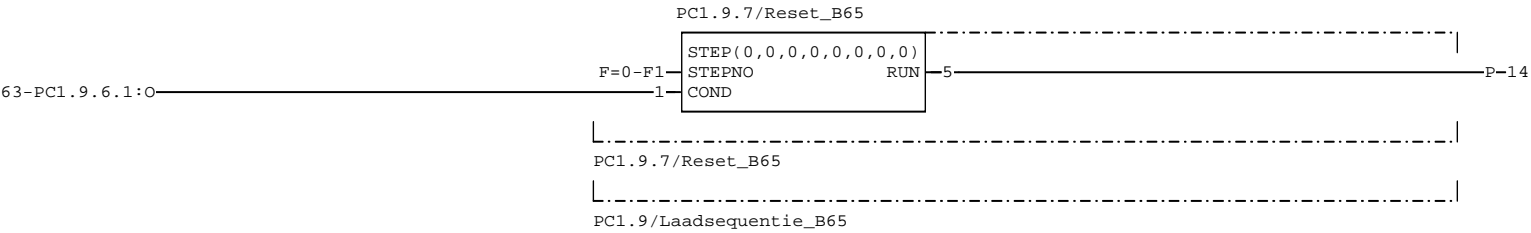
Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 61
Date	3 aug 2012		Cont. 62



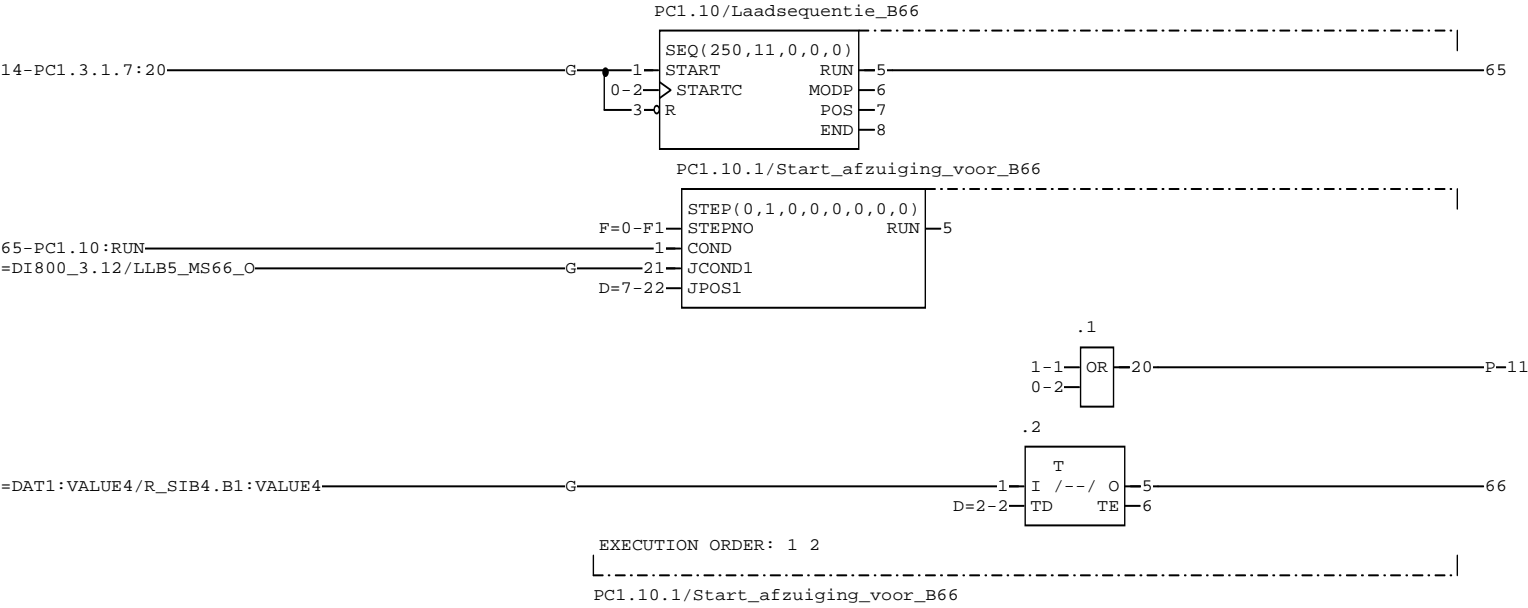
Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 62
Date	3 aug 2012		Cont. 63



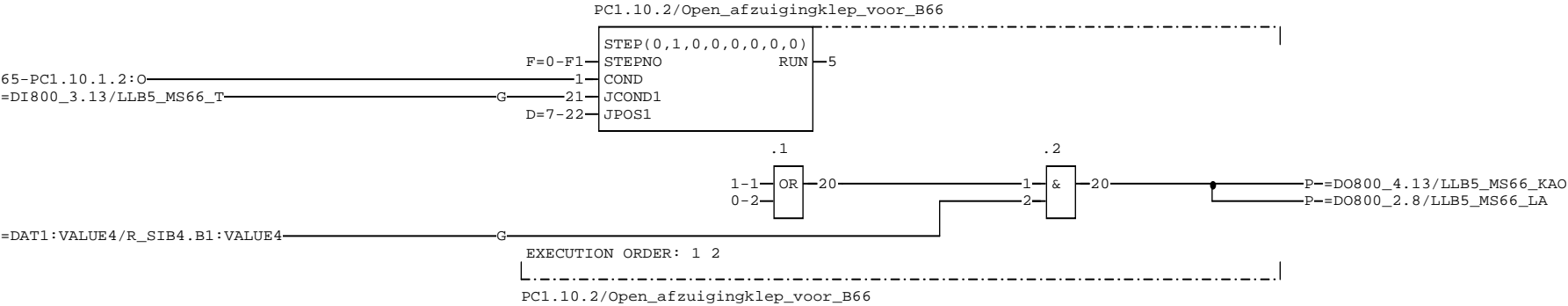
Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 63
Date	3 aug 2012		Cont. 64



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 64
Date	3 aug 2012		Cont. 65



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 65
Date	3 aug 2012			Cont. 66

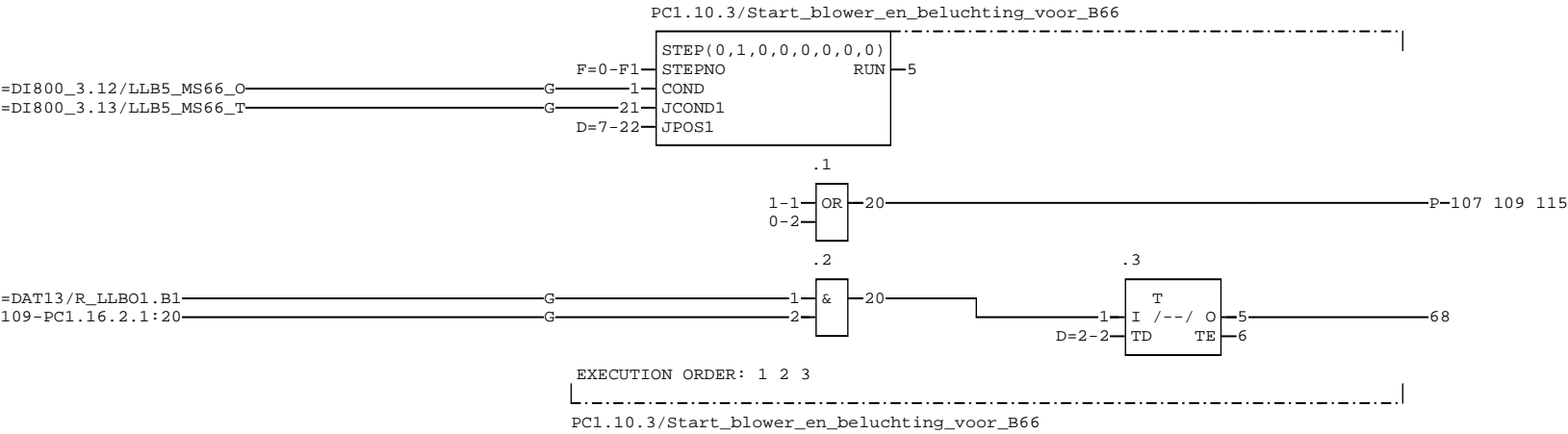


Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 66
Date	3 aug 2012			Cont. 67

ABB Automation and Drives

03-AUG-2012/08:37

COMMON IDENTITY: PC1.10

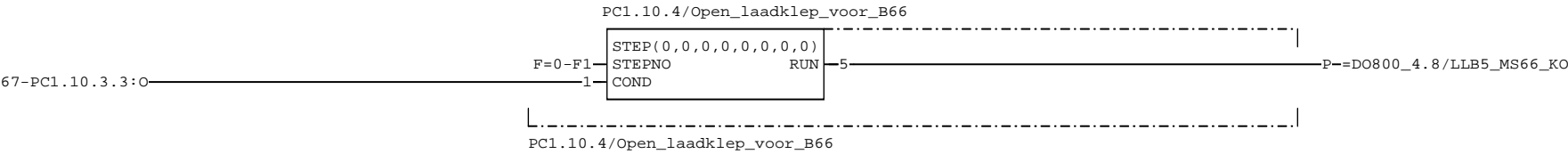


Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 67
Date	3 aug 2012		Cont. 68

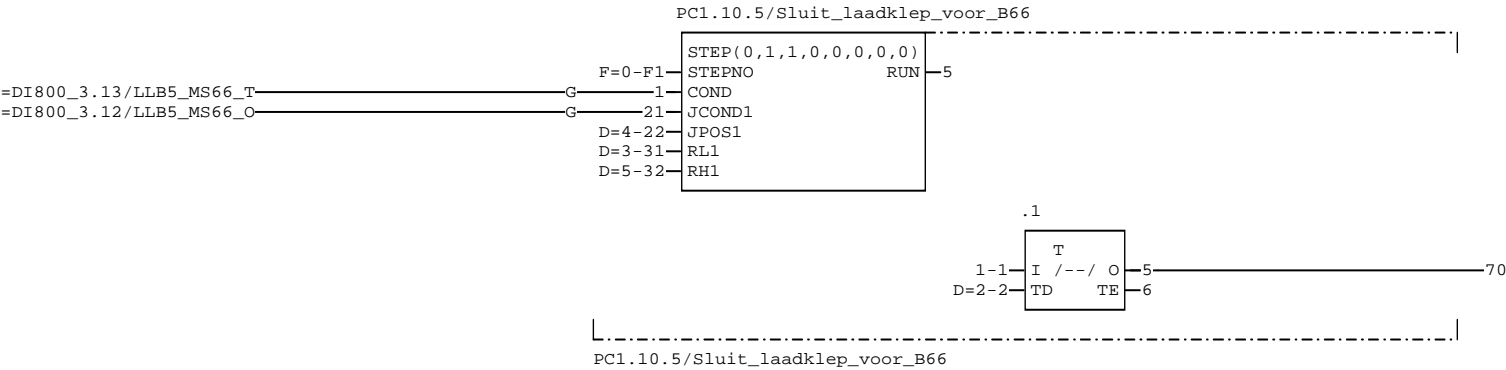
ABB Automation and Drives

03-AUG-2012/08:37

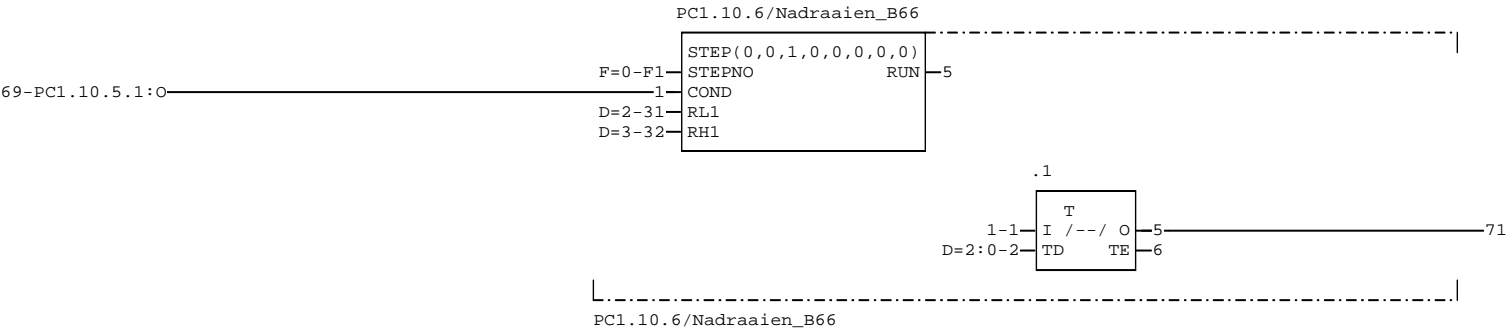
COMMON IDENTITY: PC1.10



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 68
Date	3 aug 2012			Cont. 69



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 69
Date	3 aug 2012		Cont. 70

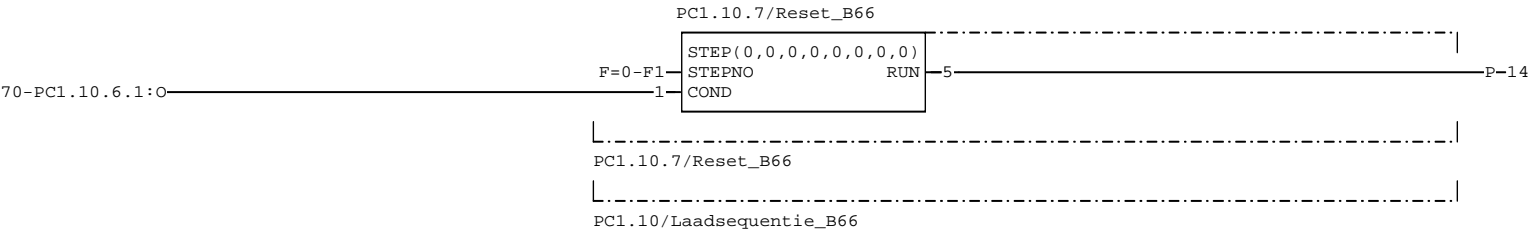


Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 70
Date	3 aug 2012			Cont. 71

ABB Automation and Drives

03-AUG-2012/08:37

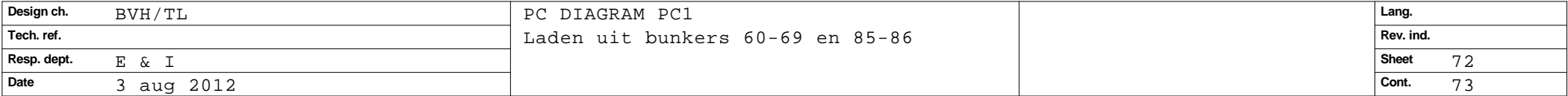
COMMON IDENTITY: PC1.10

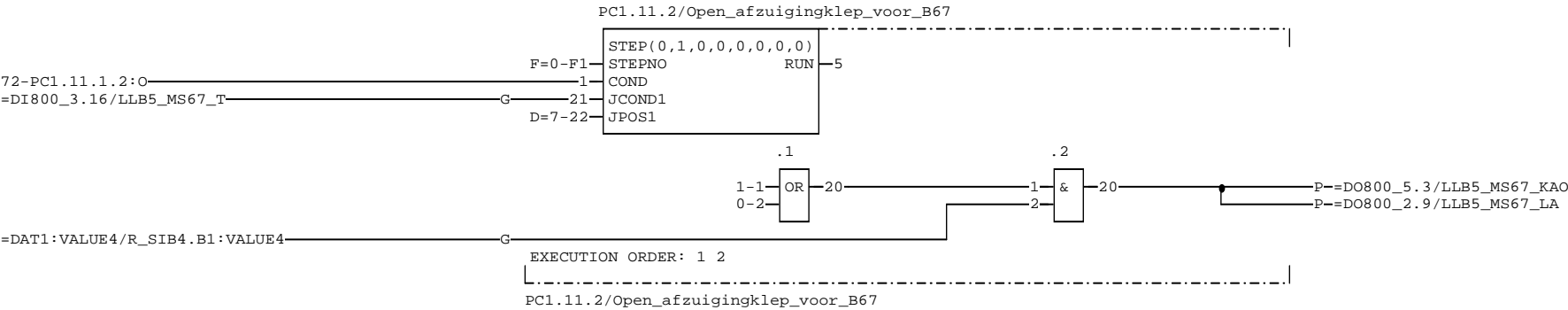


Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 71
Date	3 aug 2012			Cont. 72

03-AUG-2012/08:37

COMMON IDENTITY: PC1



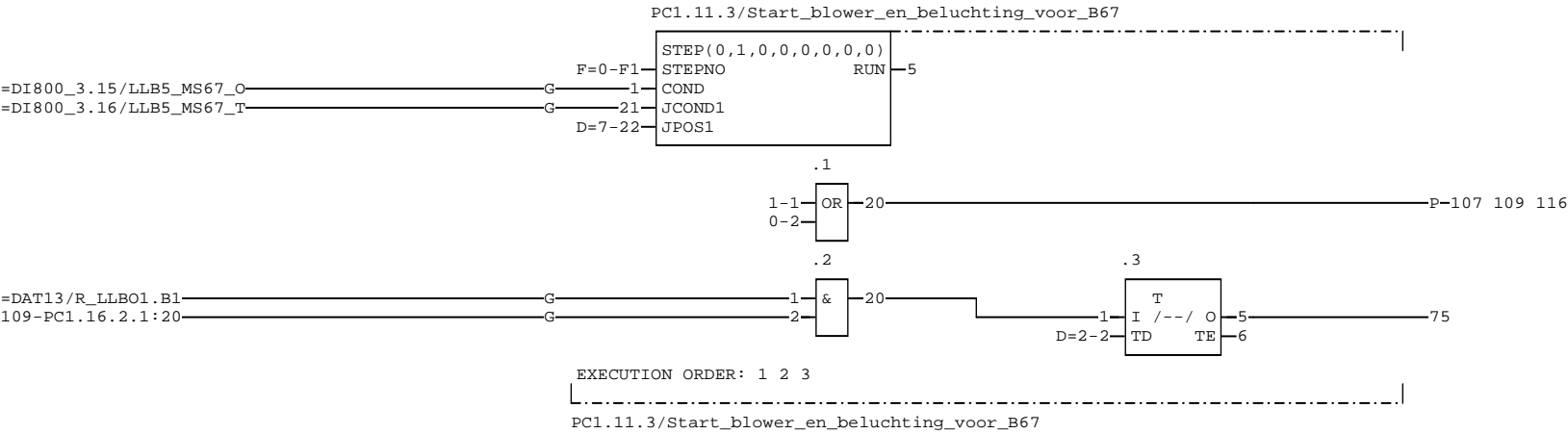


Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 73
Date	3 aug 2012		Cont. 74

ABB Automation and Drives

03-AUG-2012/08:37

COMMON IDENTITY: PC1.11

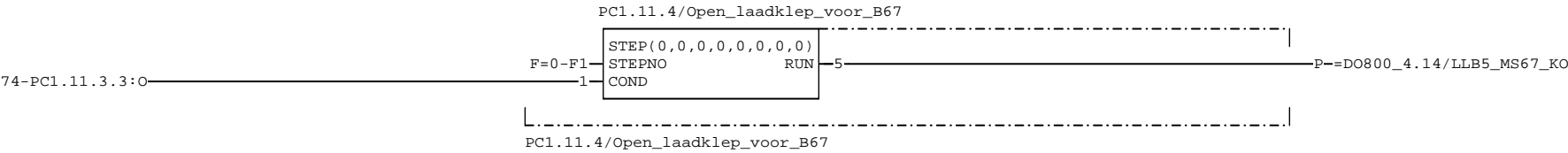


Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 74
Date	3 aug 2012		Cont. 75

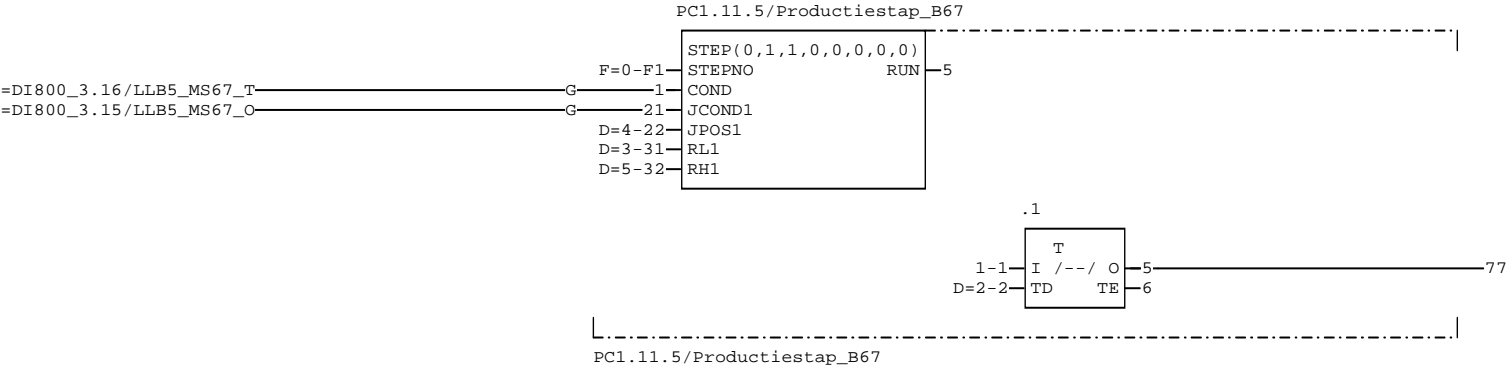
ABB Automation and Drives

03-AUG-2012/08:37

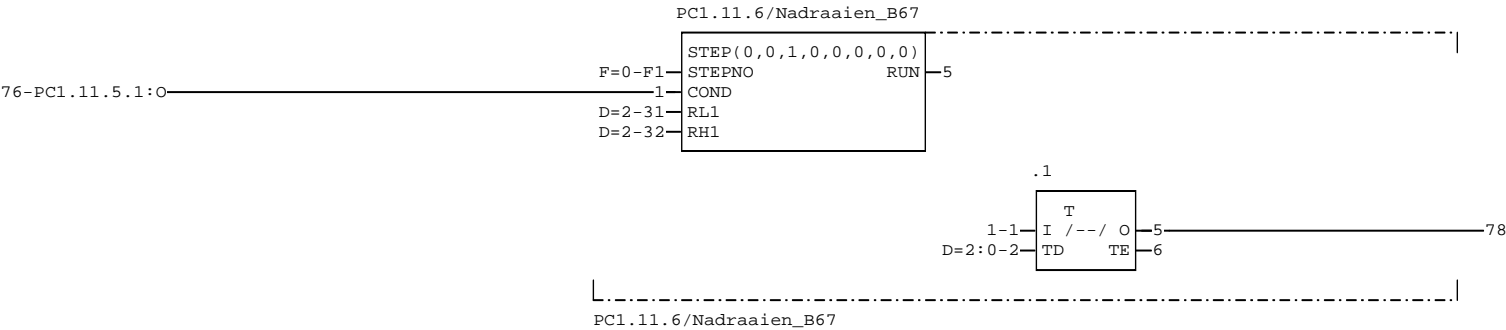
COMMON IDENTITY: PC1.11



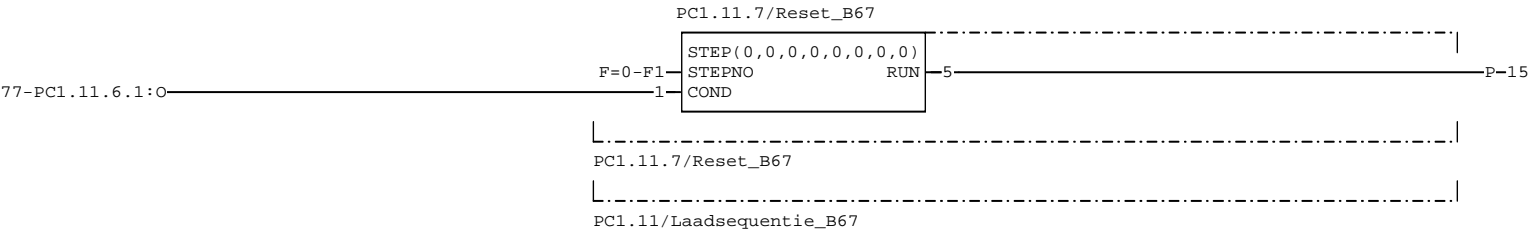
Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 75
Date	3 aug 2012		Cont. 76



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 76
Date	3 aug 2012		Cont. 77



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 77
Date	3 aug 2012		Cont. 78

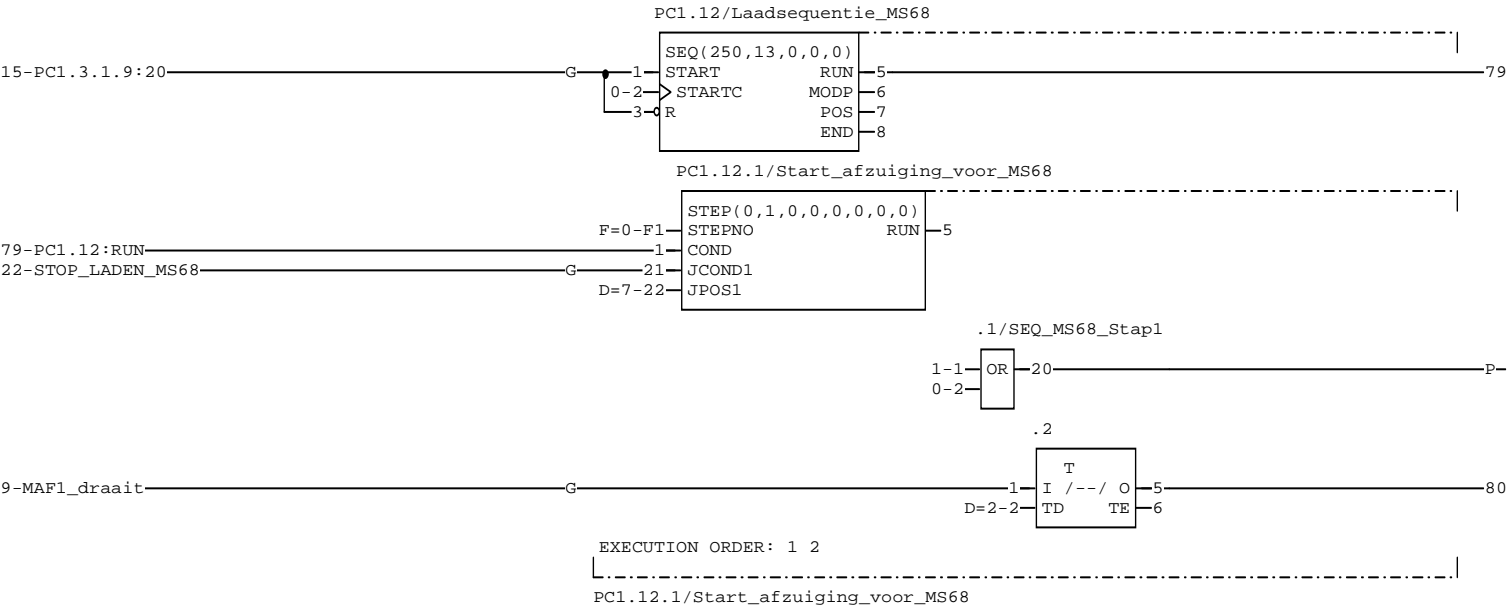


Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 78
Date	3 aug 2012		Cont. 79

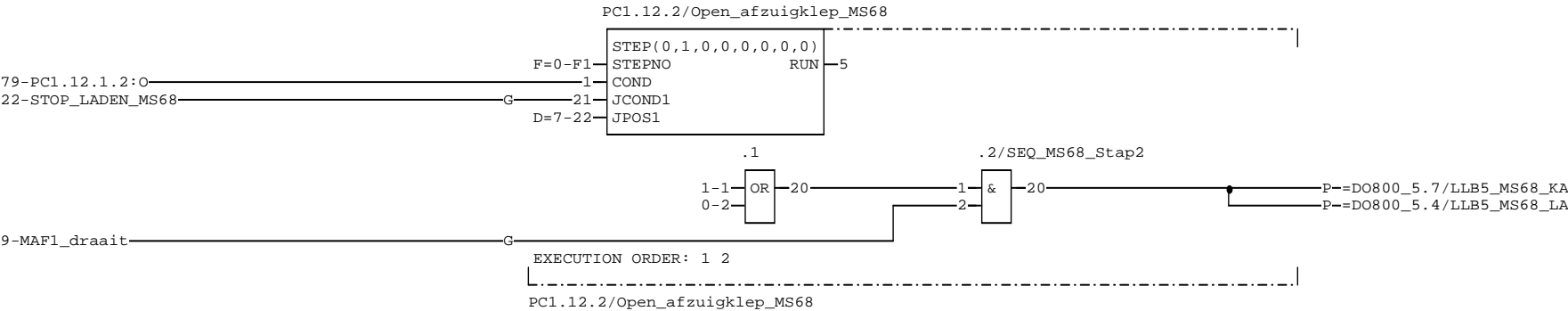
ABB Automation and Drives

03-AUG-2012/08:37

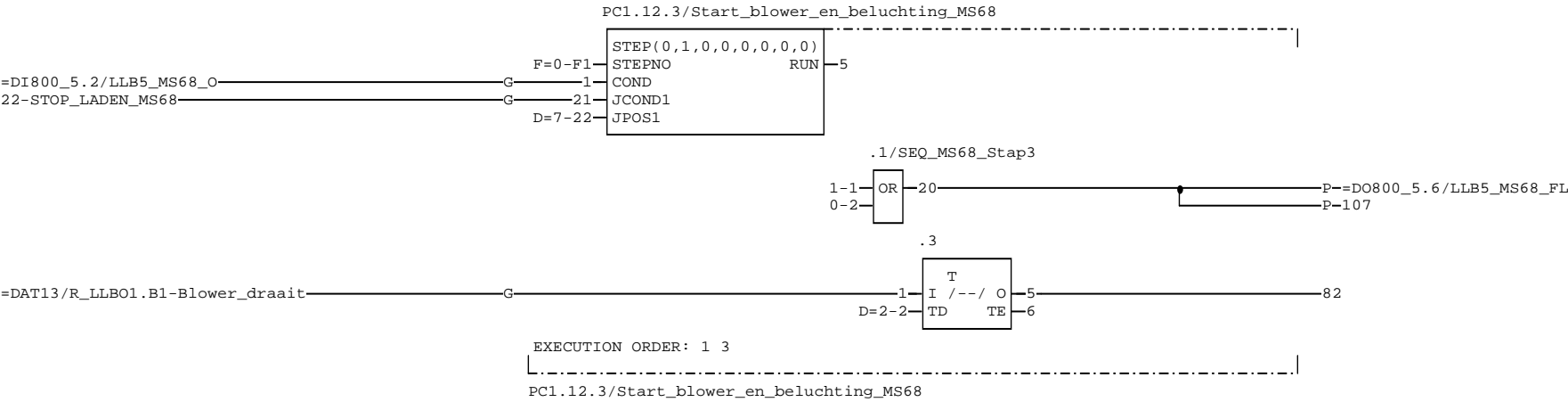
COMMON IDENTITY: PC1



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 79
Date	3 aug 2012		Cont. 80



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 80
Date	3 aug 2012		Cont. 81

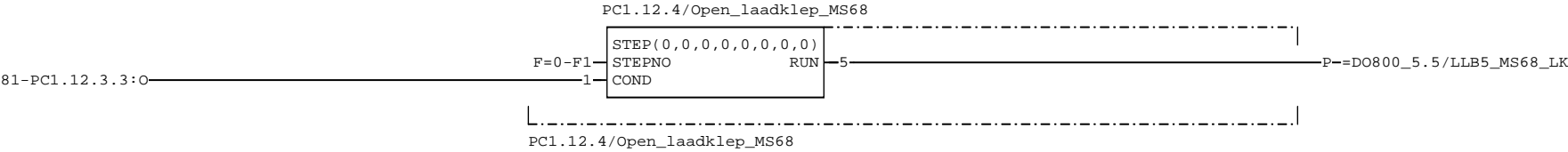


Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86			Lang.
Tech. ref.					Rev. ind.
Resp. dept.	E & I				Sheet 81
Date	3 aug 2012				Cont. 82

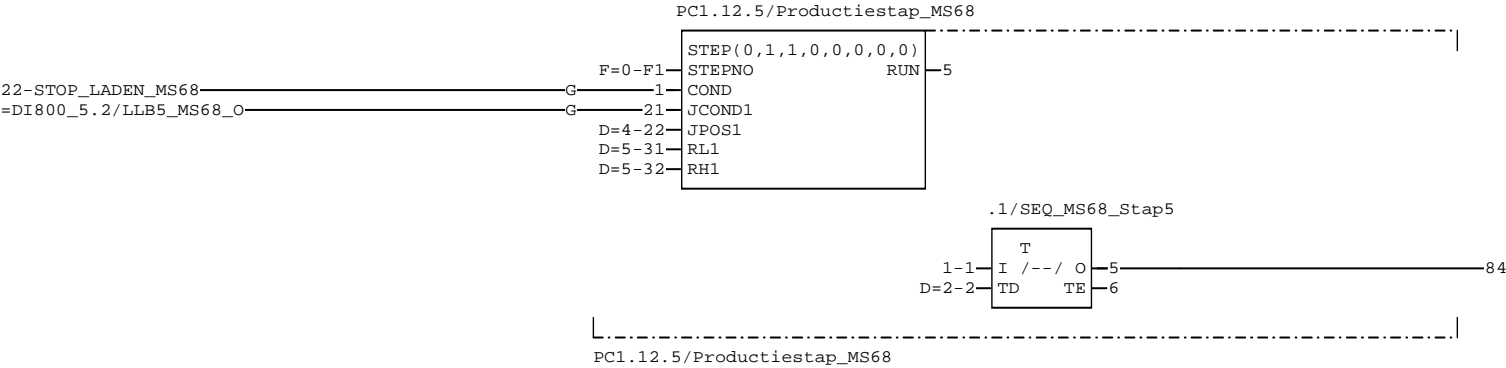
ABB Automation and Drives

03-AUG-2012/08:37

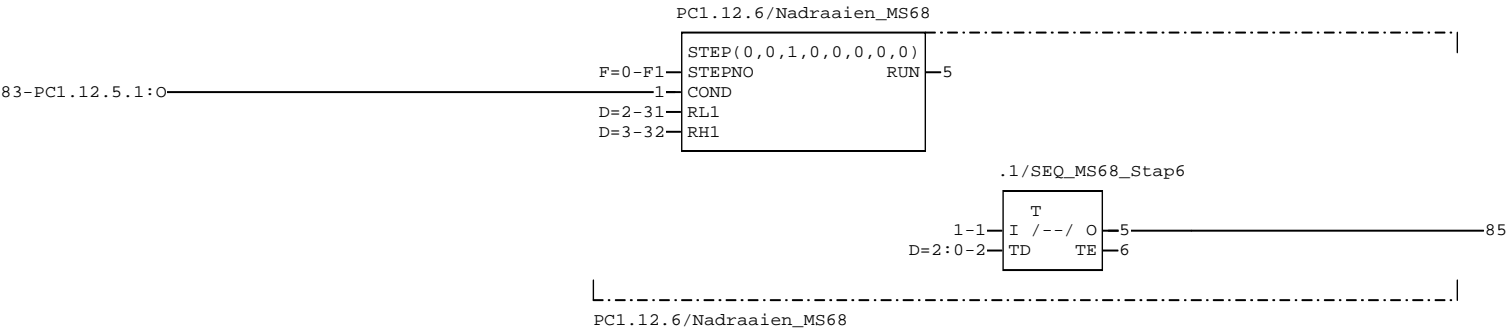
COMMON IDENTITY: PC1.12



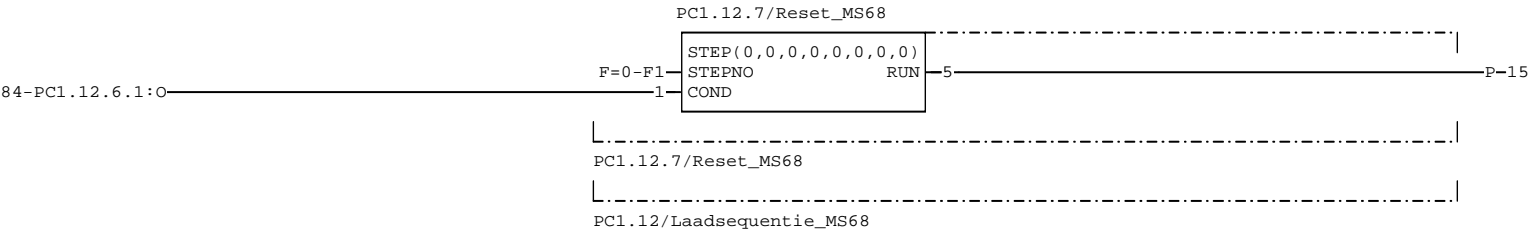
Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 82
Date	3 aug 2012		Cont. 83



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 83
Date	3 aug 2012		Cont. 84



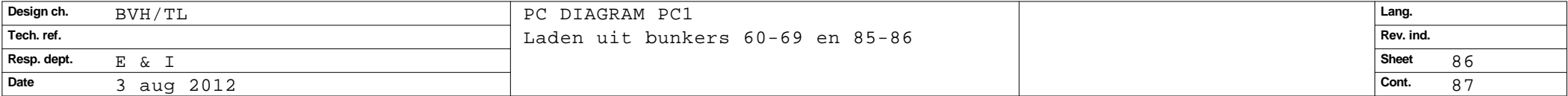
Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 84
Date	3 aug 2012		Cont. 85

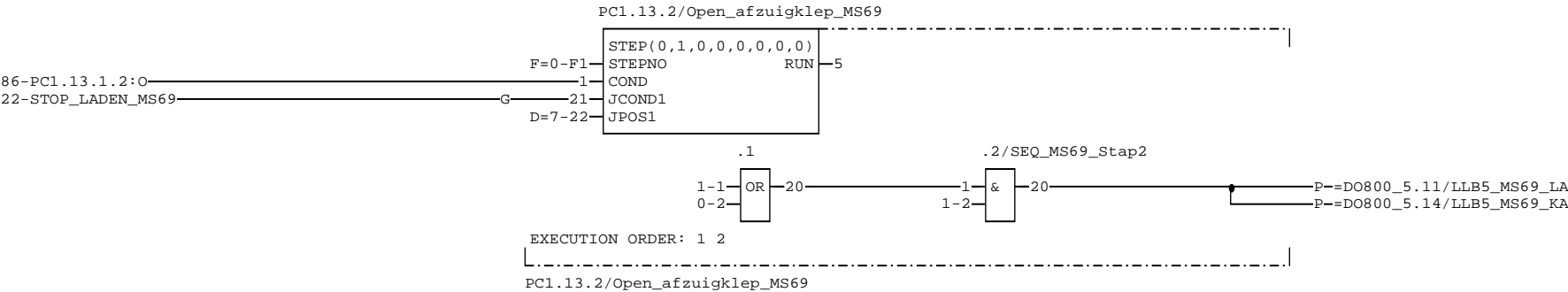


Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 85
Date	3 aug 2012			Cont. 86

03-AUG-2012/08:37

COMMON IDENTITY: PC1



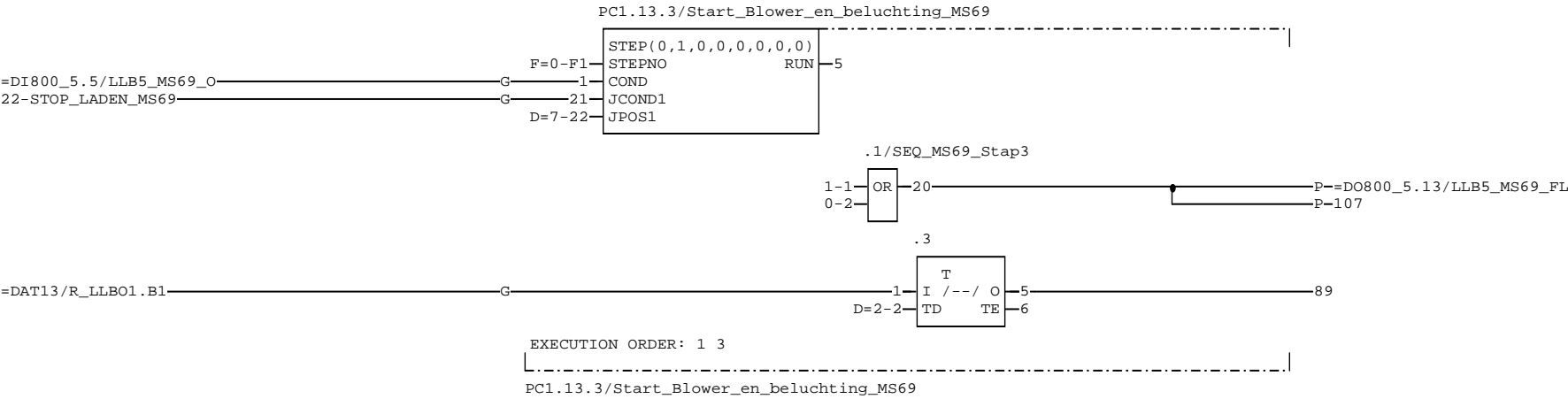


Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 87
Date	3 aug 2012			Cont. 88

ABB Automation and Drives

03-AUG-2012/08:37

COMMON IDENTITY: PC1.13

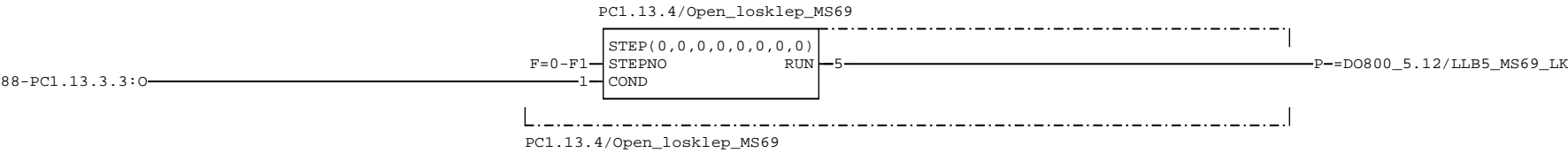


Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86			Lang.
Tech. ref.					Rev. ind.
Resp. dept.	E & I				Sheet 88
Date	3 aug 2012				Cont. 89

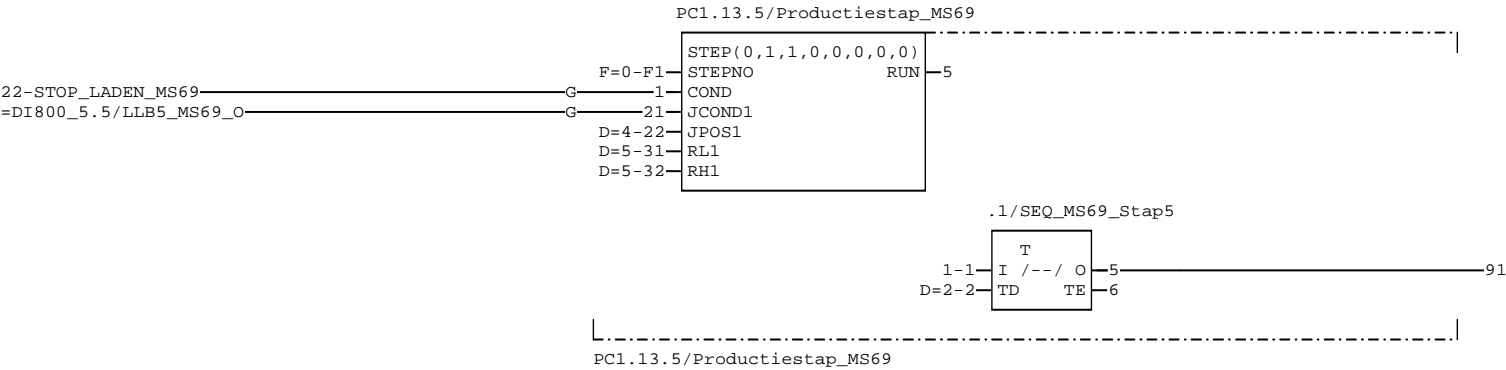
ABB Automation and Drives

03-AUG-2012/08:37

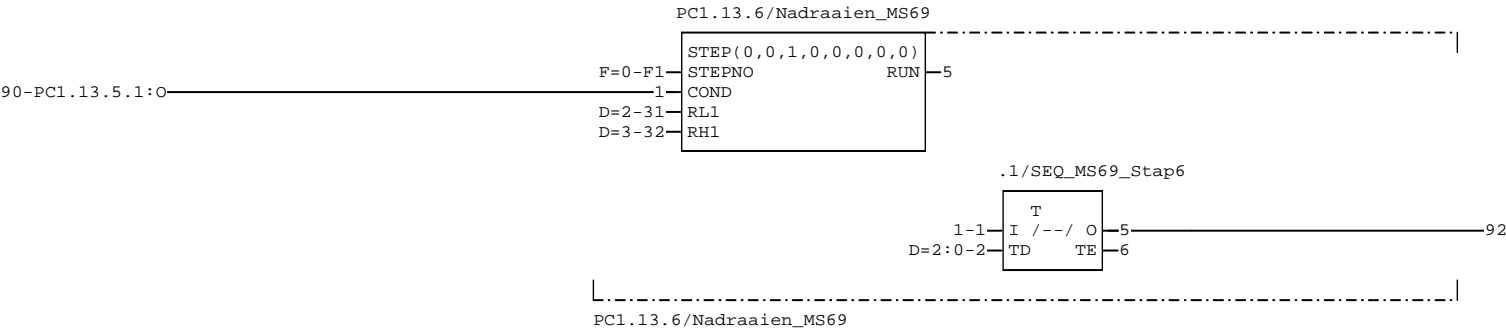
COMMON IDENTITY: PC1.13



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 89
Date	3 aug 2012		Cont. 90



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 90
Date	3 aug 2012		Cont. 91

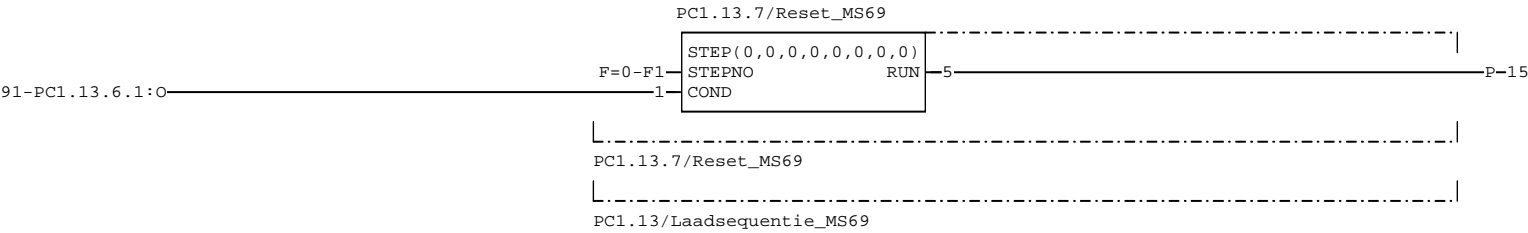


Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 91
Date	3 aug 2012		Cont. 92

ABB Automation and Drives

03-AUG-2012/08:37

COMMON IDENTITY: PC1.13

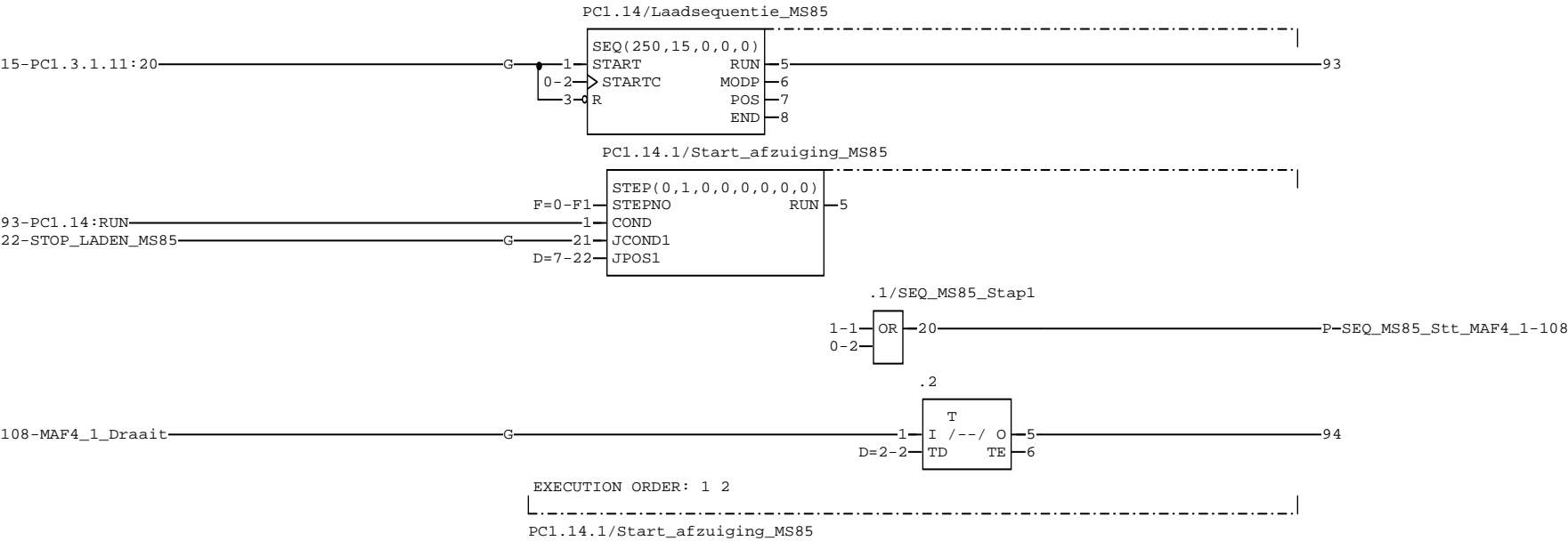


Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 92
Date	3 aug 2012		Cont. 93

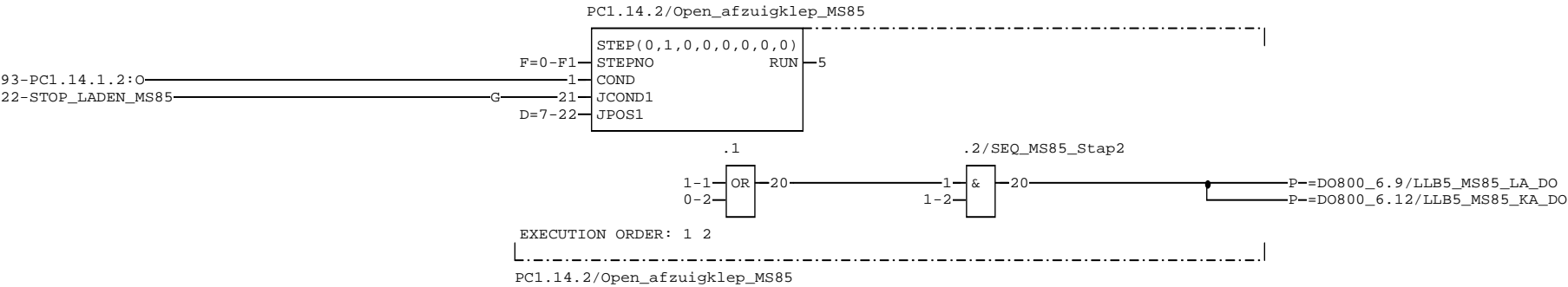
ABB Automation and Drives

03-AUG-2012/08:37

COMMON IDENTITY: PC1



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 93
Date	3 aug 2012			Cont. 94

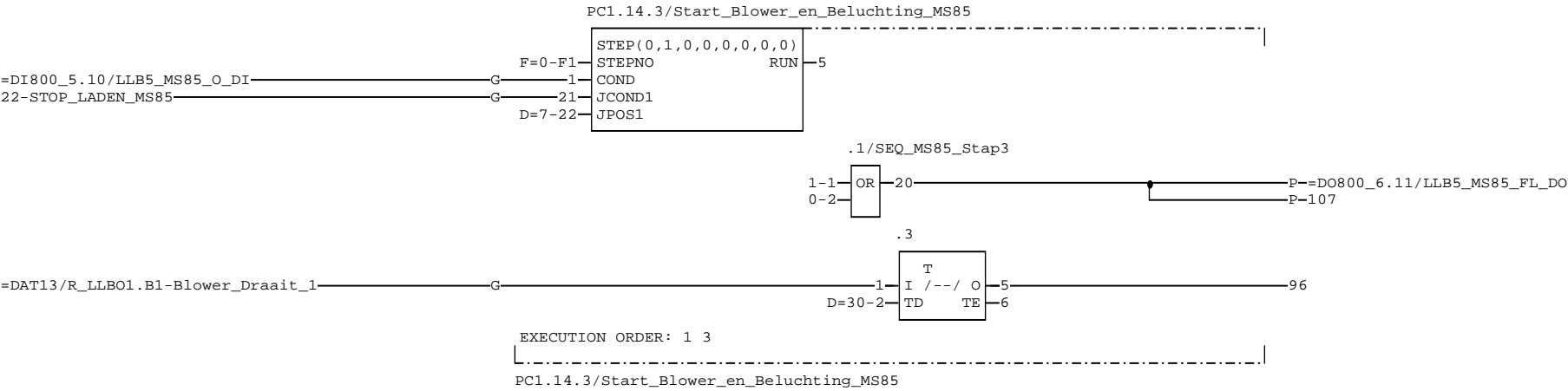


Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 94
Date	3 aug 2012			Cont. 95

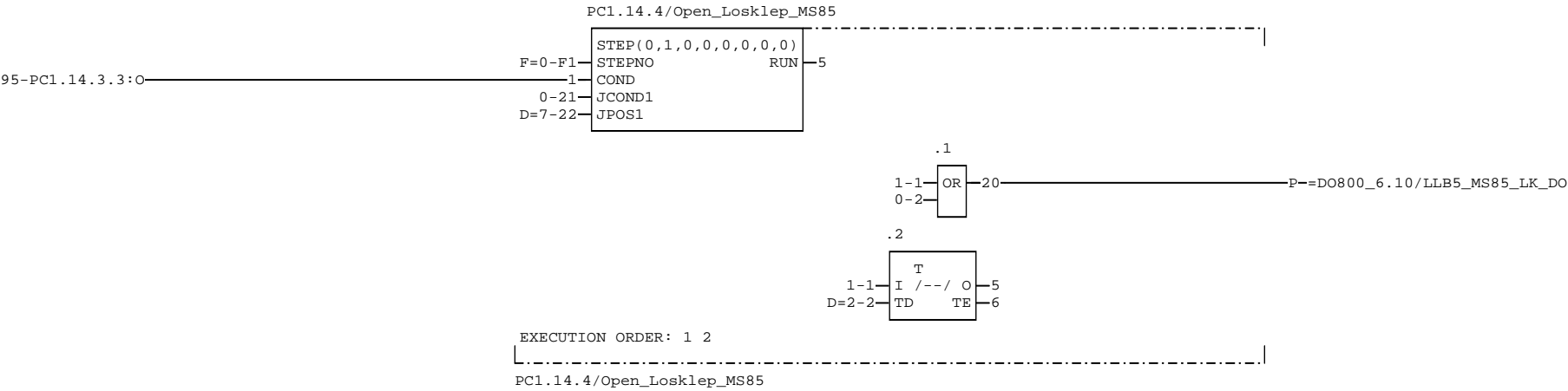
ABB Automation and Drives

03-AUG-2012/08:37

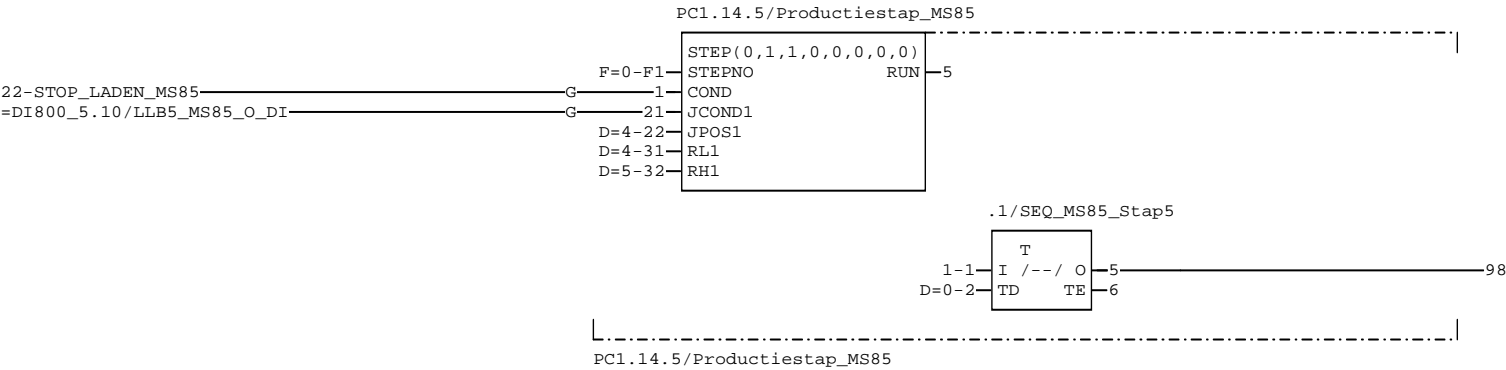
COMMON IDENTITY: PC1.14



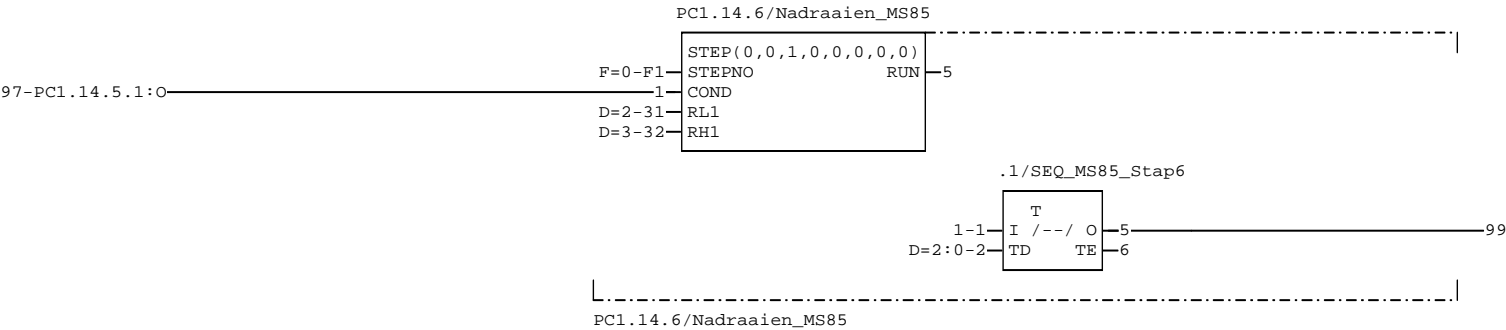
Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 95
Date	3 aug 2012			Cont. 96



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 96
Date	3 aug 2012		Cont. 97



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 97
Date	3 aug 2012		Cont. 98

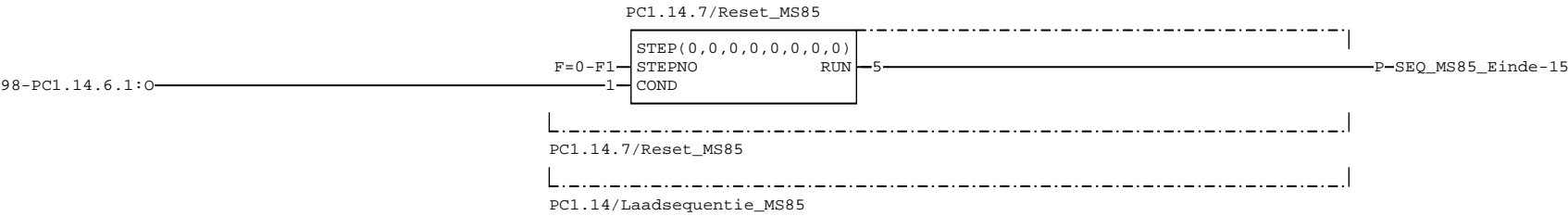


Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 98
Date	3 aug 2012		Cont. 99

ABB Automation and Drives

03-AUG-2012/08:37

COMMON IDENTITY: PC1.14

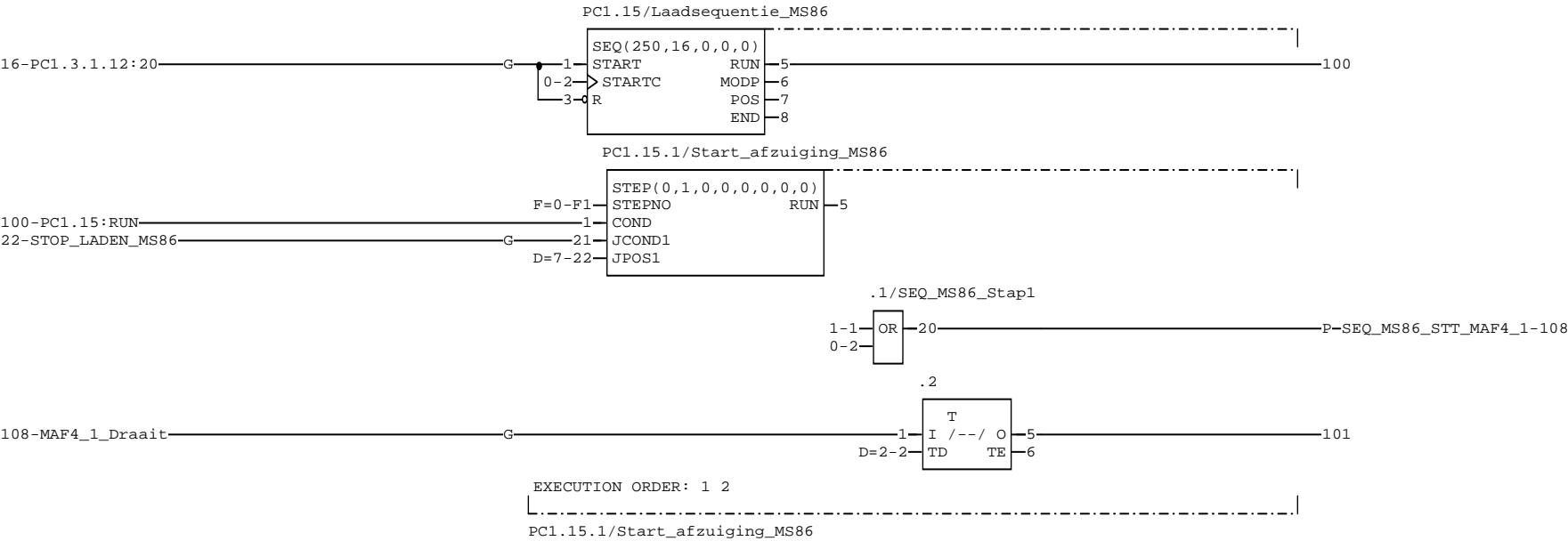


Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 99
Date	3 aug 2012		Cont. 100

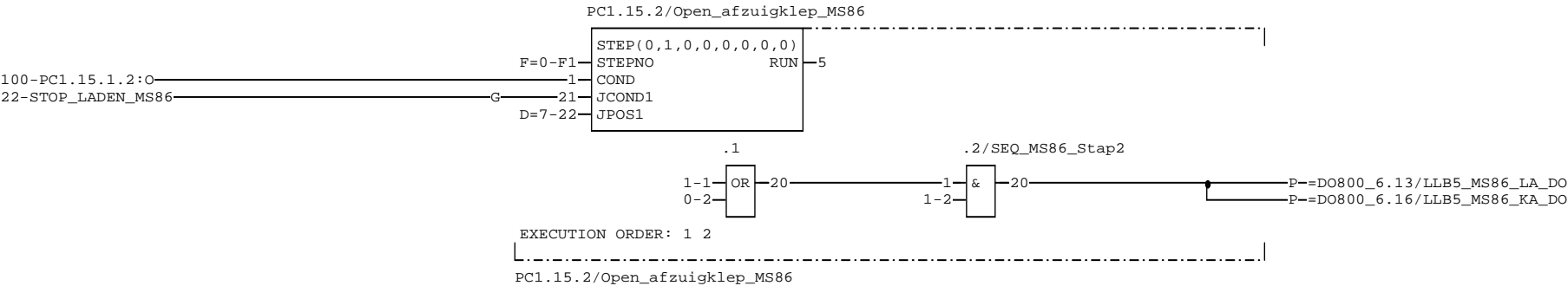
ABB Automation and Drives

03-AUG-2012/08:37

COMMON IDENTITY: PC1



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 100
Date	3 aug 2012			Cont. 101

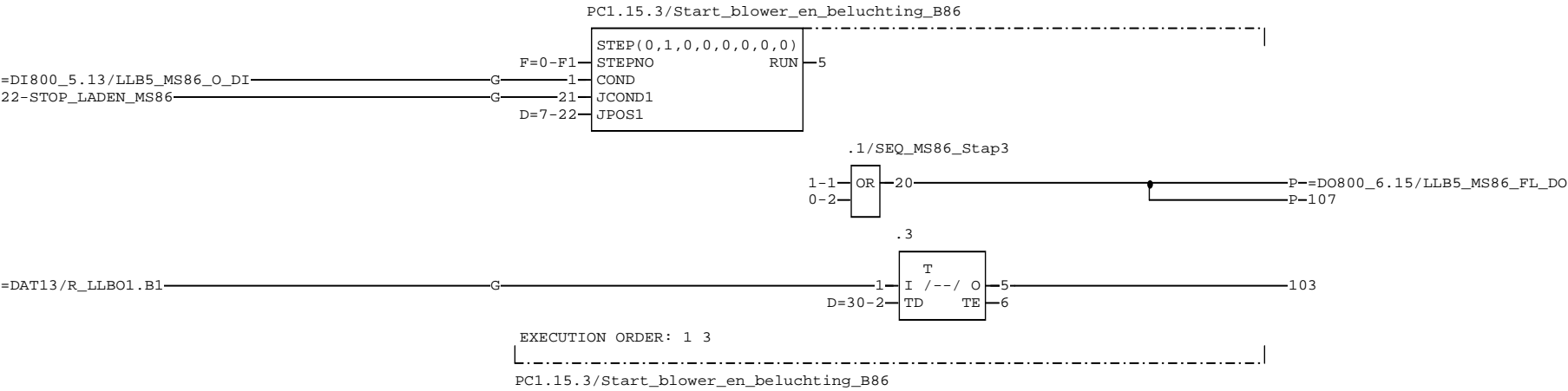


Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 101
Date	3 aug 2012			Cont. 102

ABB Automation and Drives

03-AUG-2012/08:37

COMMON IDENTITY: PC1.15

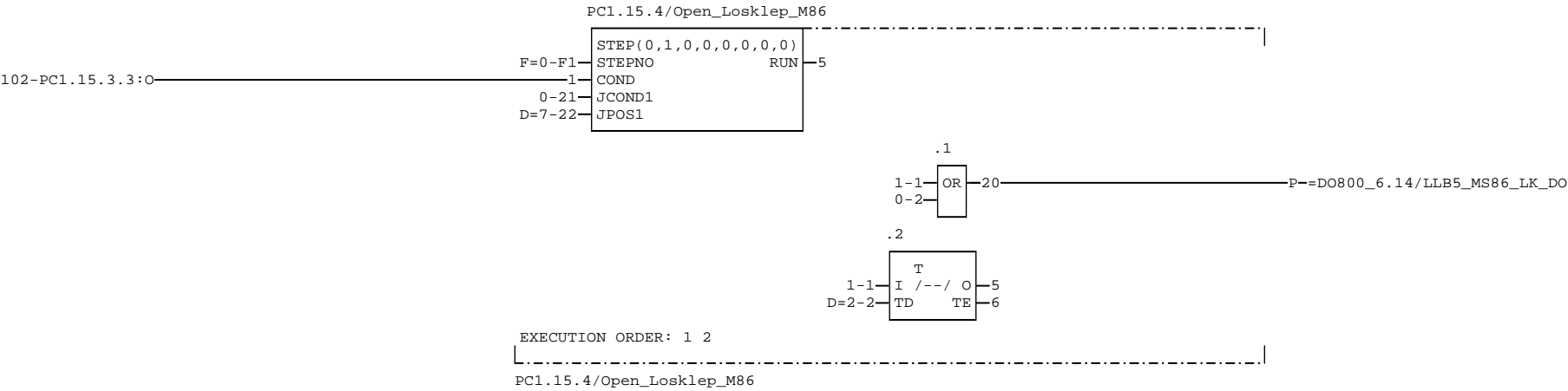


Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 102
Date	3 aug 2012			Cont. 103

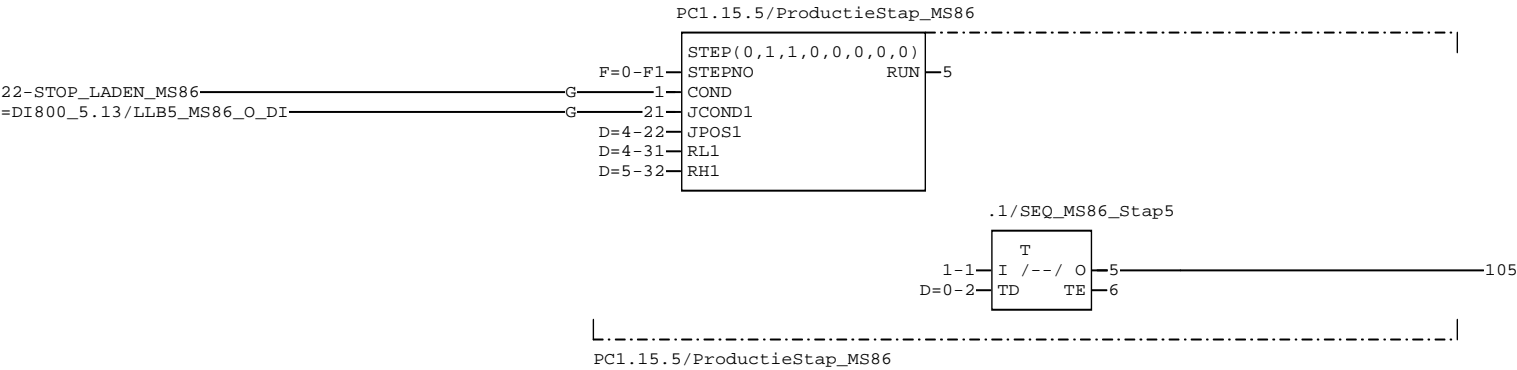
ABB Automation and Drives

03-AUG-2012/08:37

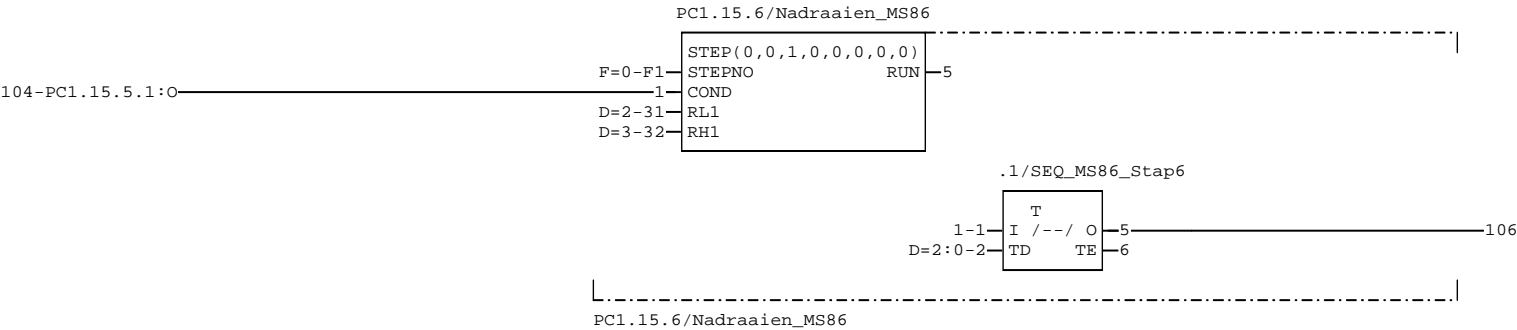
COMMON IDENTITY: PC1.15



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 103
Date	3 aug 2012		Cont. 104



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 104
Date	3 aug 2012		Cont. 105

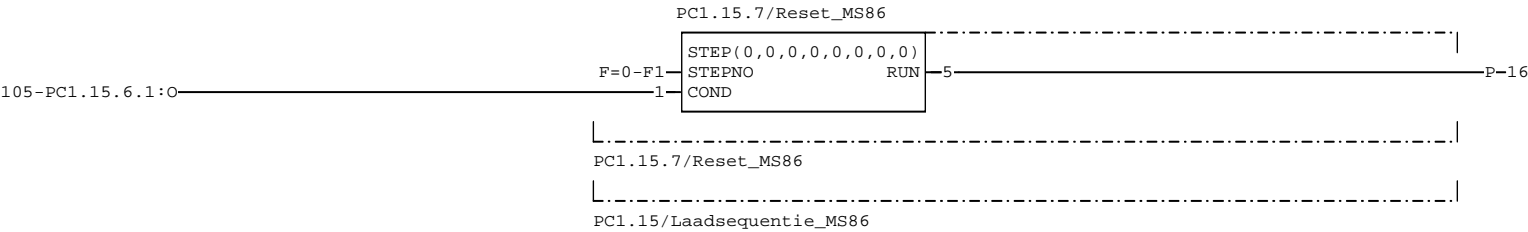


Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 105
Date	3 aug 2012		Cont. 106

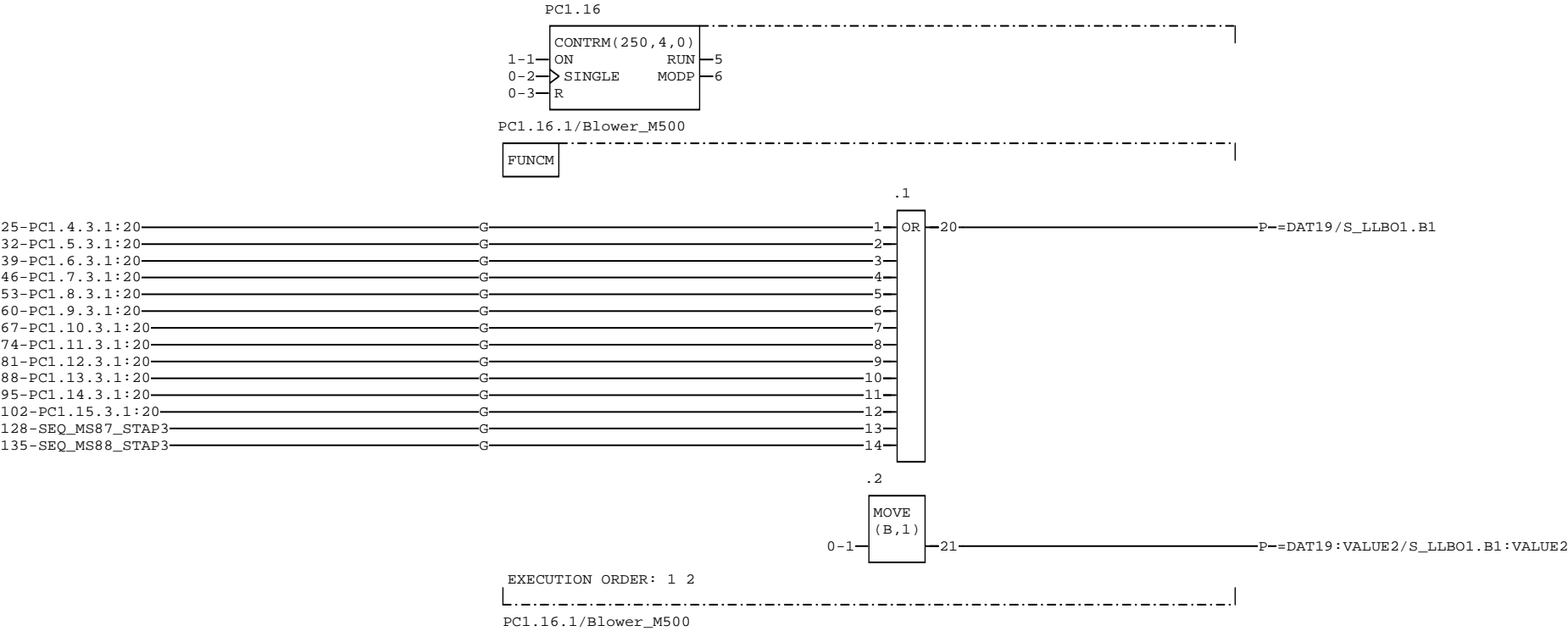
ABB Automation and Drives

03-AUG-2012/08:37

COMMON IDENTITY: PC1.15



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 106
Date	3 aug 2012		Cont. 107

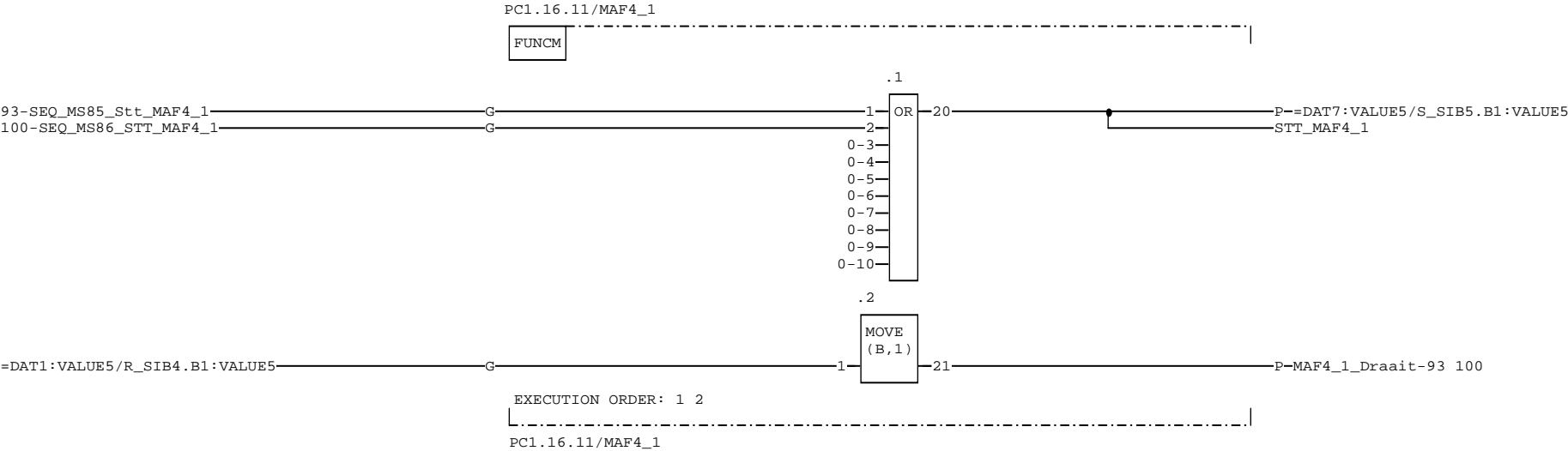


Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 107
Date	3 aug 2012			Cont. 108

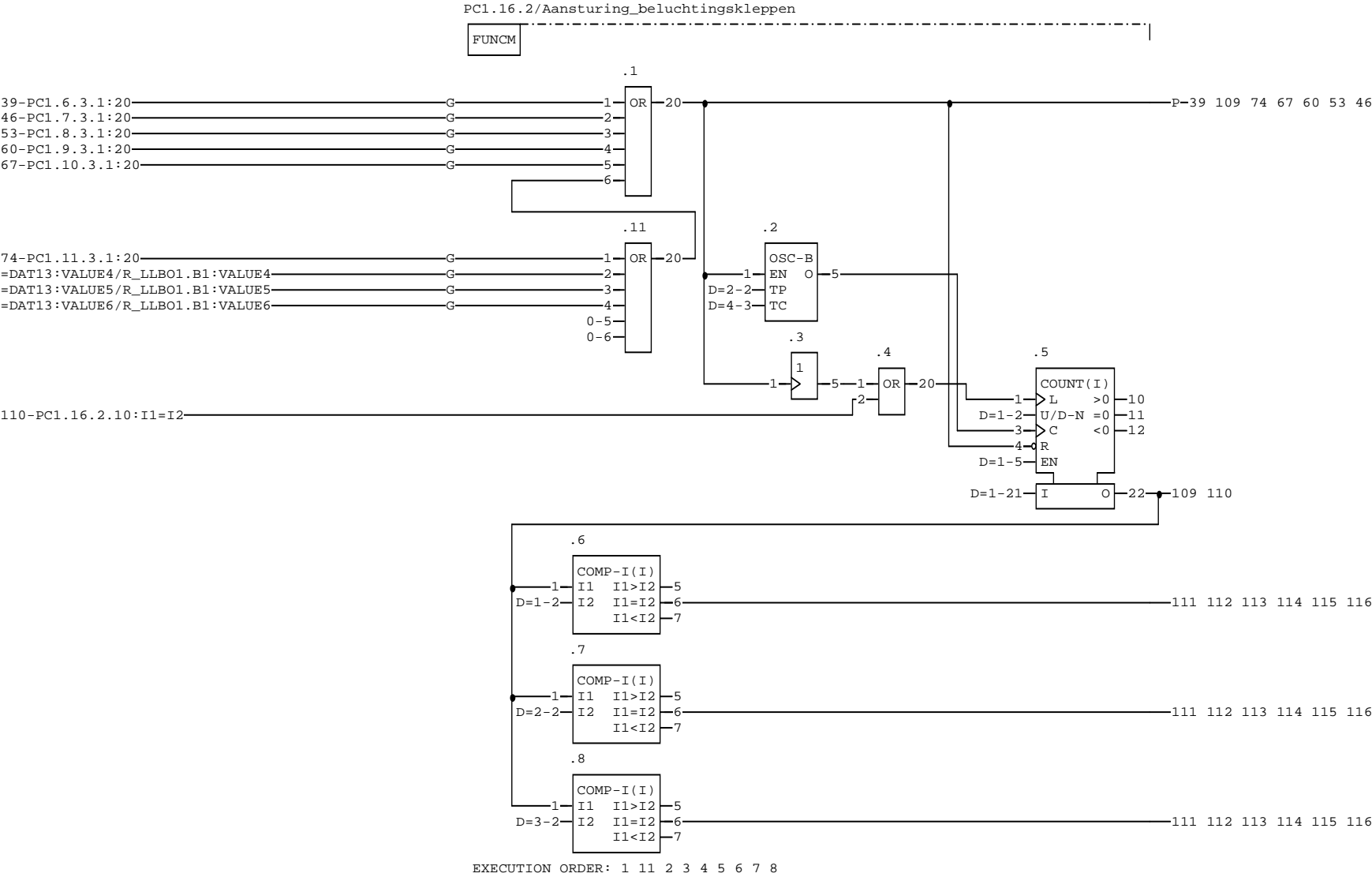
ABB Automation and Drives

03-AUG-2012/08:37

COMMON IDENTITY: PC1.16



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 108
Date	3 aug 2012		Cont. 109

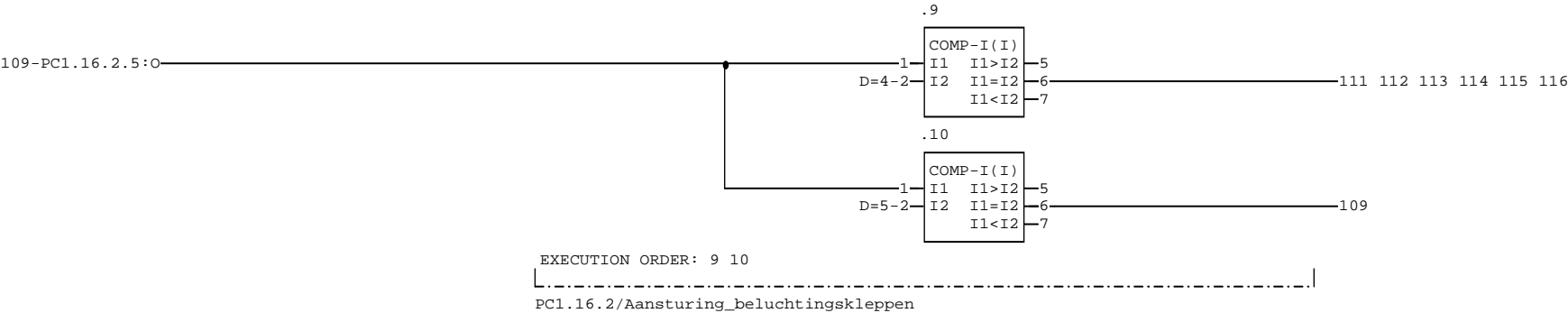


Design ch.	BVH/TL	PC DIAGRAM PC1	Lang.
Tech. ref.		Laden uit bunkers 60-69 en 85-86	Rev. ind.
Resp. dept.	E & I		Sheet 109
Date	3 aug 2012		Cont. 110

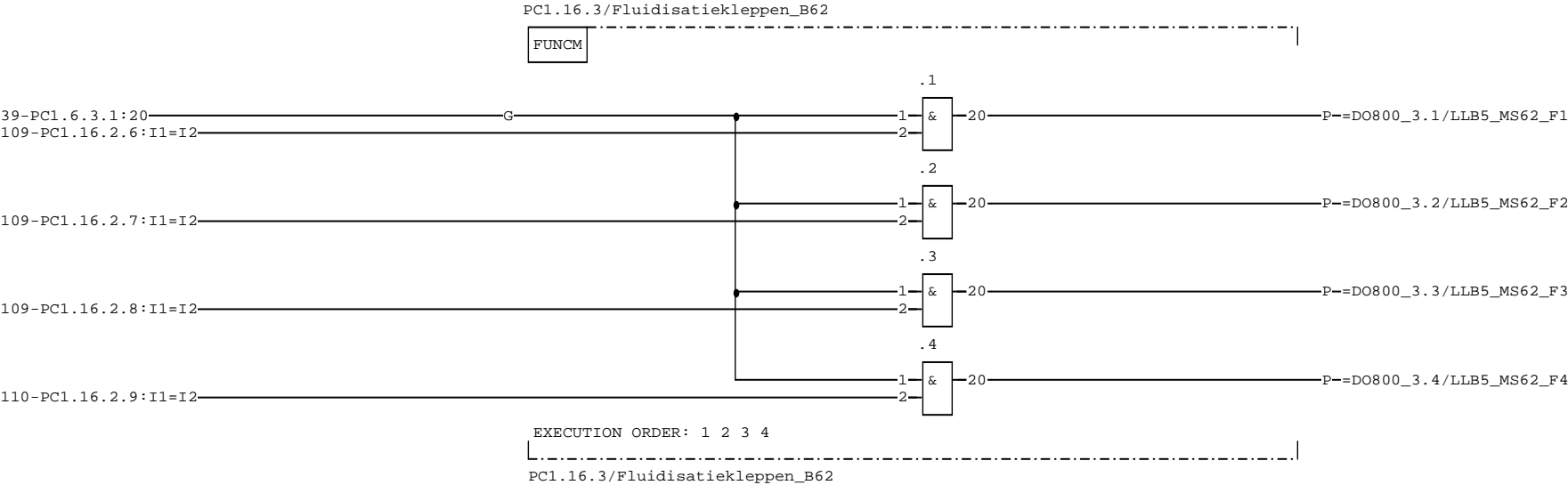
ABB Automation and Drives

03-AUG-2012/08:37

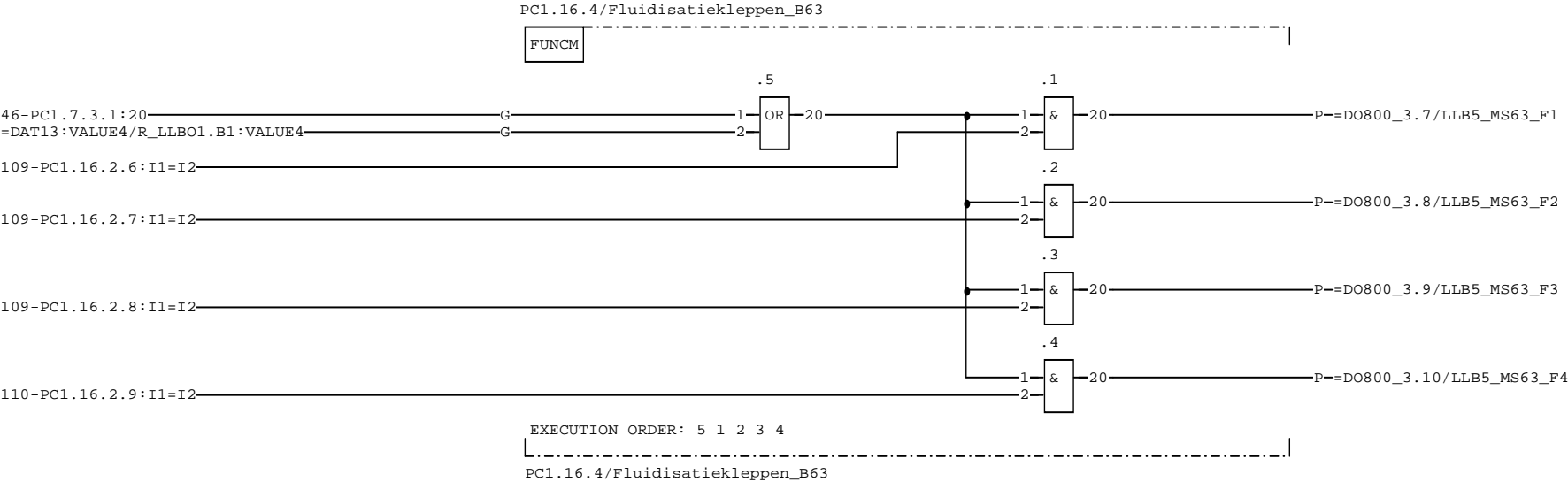
COMMON IDENTITY: PC1.16.2



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 110
Date	3 aug 2012		Cont. 111



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 111
Date	3 aug 2012		Cont. 112

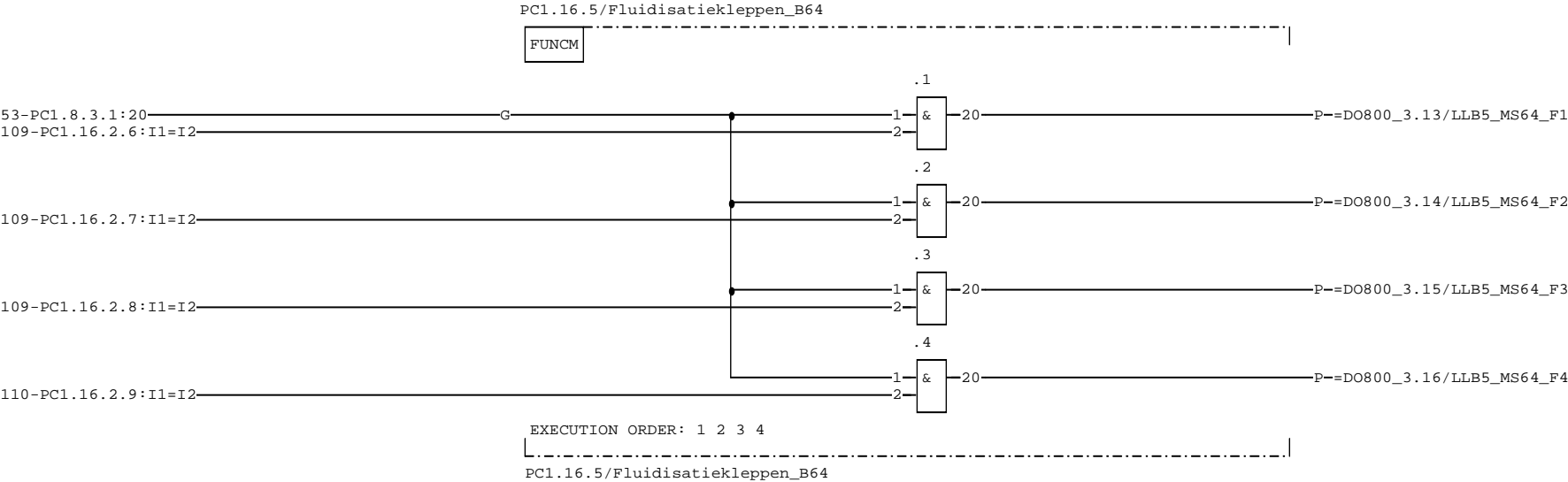


Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 112
Date	3 aug 2012			Cont. 113

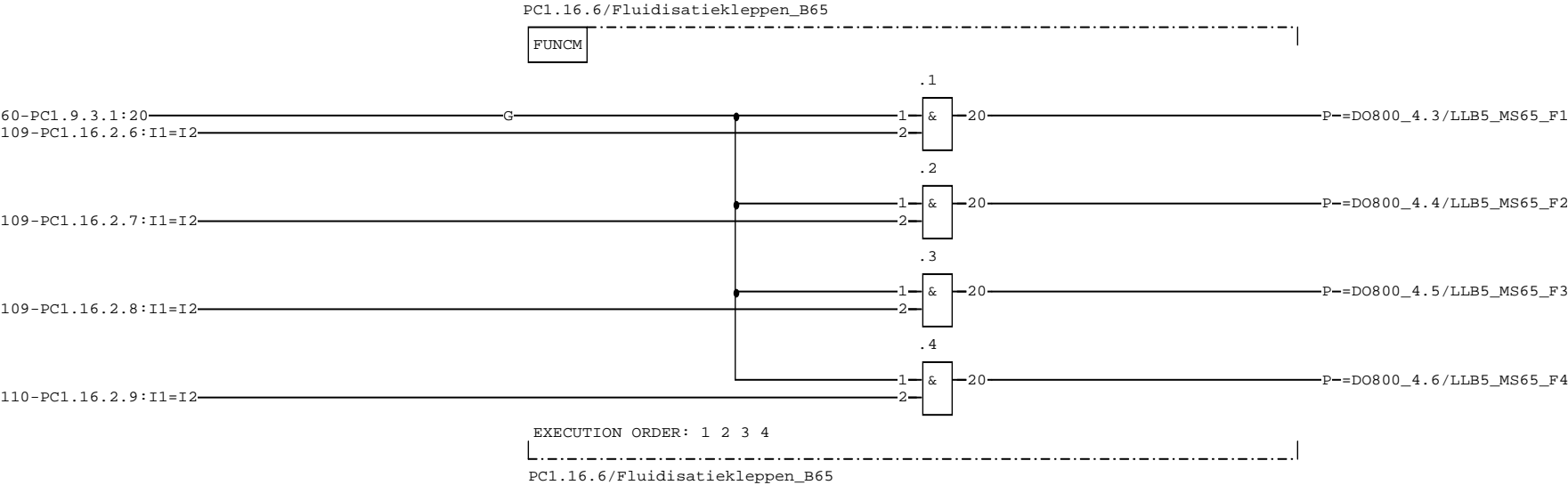
ABB Automation and Drives

03-AUG-2012/08:37

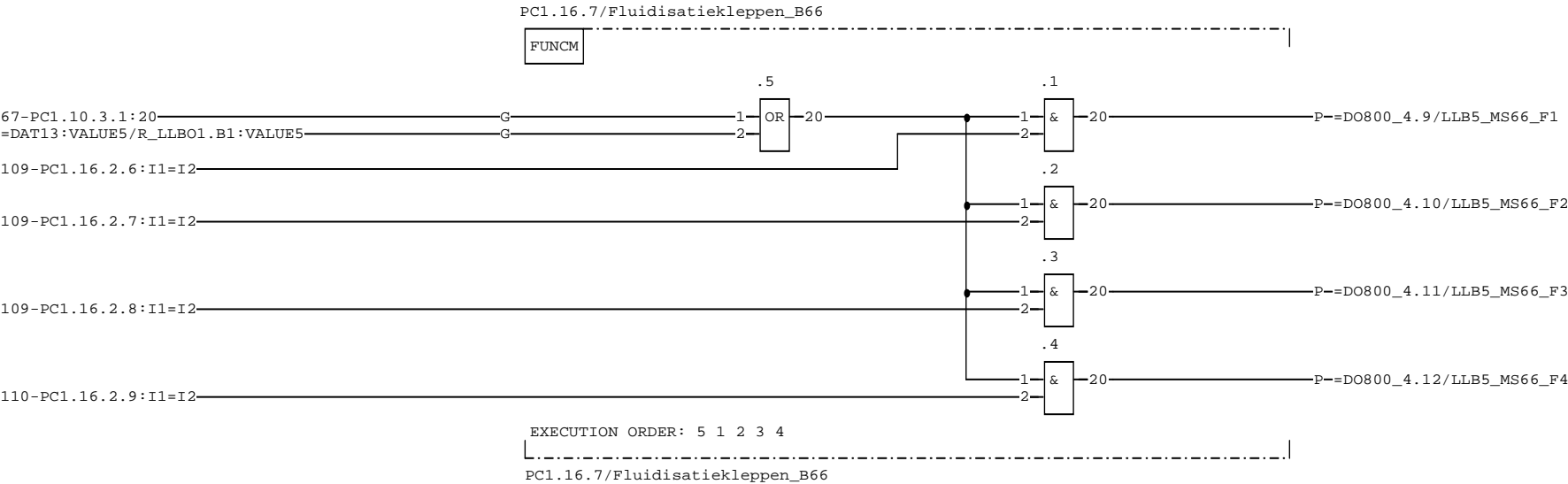
COMMON IDENTITY: PC1.16



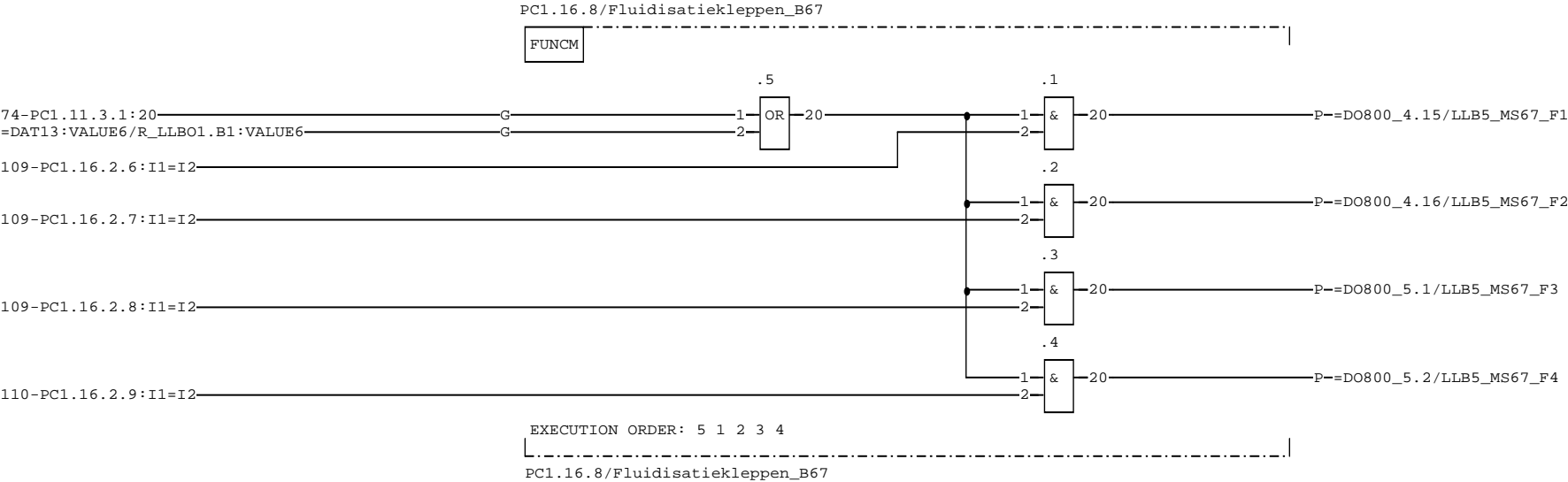
Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 113
Date	3 aug 2012		Cont. 114



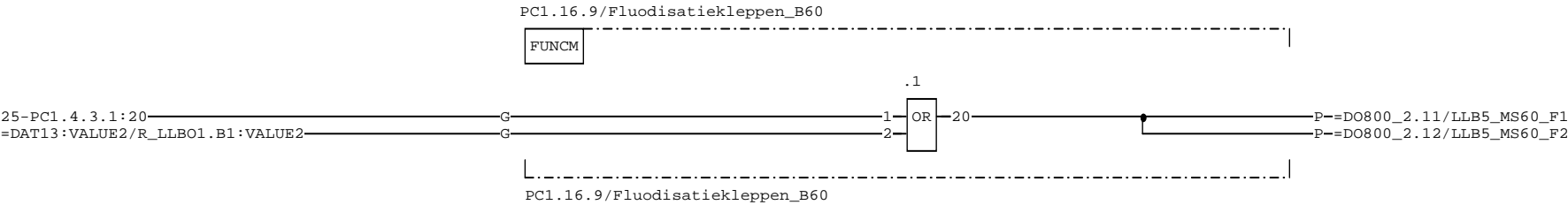
Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 114
Date	3 aug 2012		Cont. 115



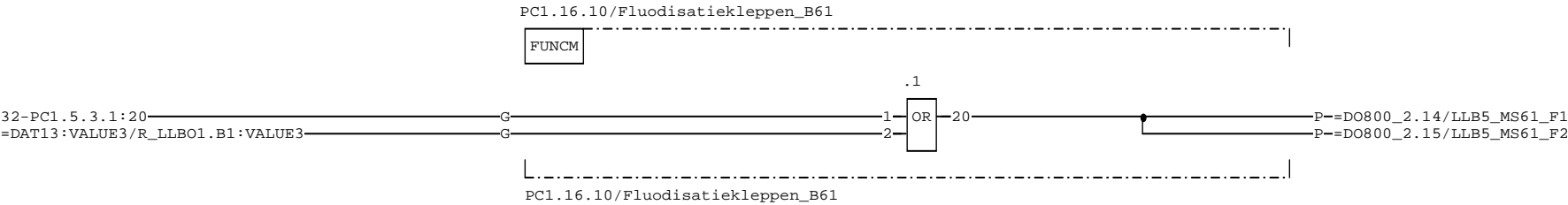
Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 115
Date	3 aug 2012		Cont. 116



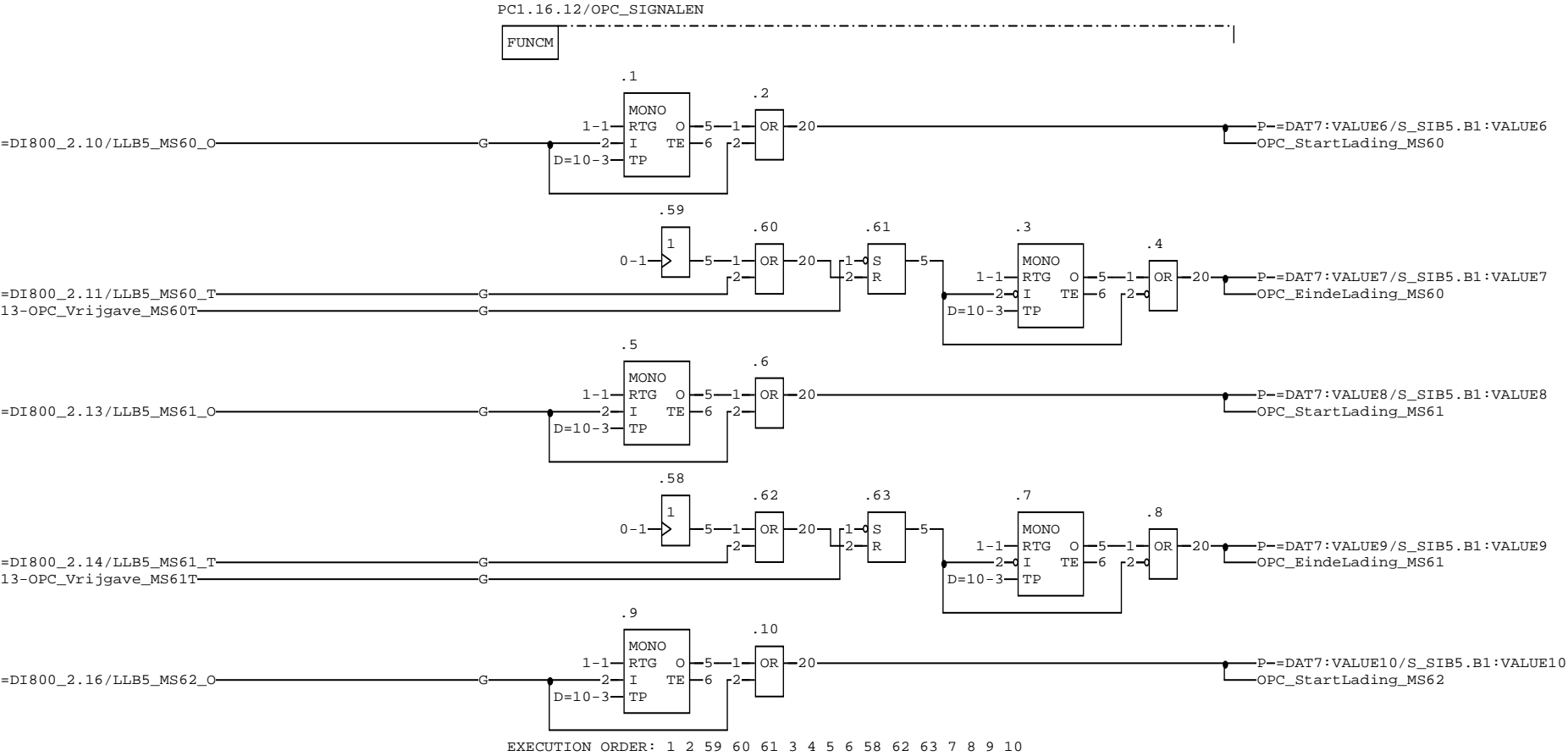
Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 116
Date	3 aug 2012		Cont. 117



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 117
Date	3 aug 2012		Cont. 118



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 118
Date	3 aug 2012			Cont. 119

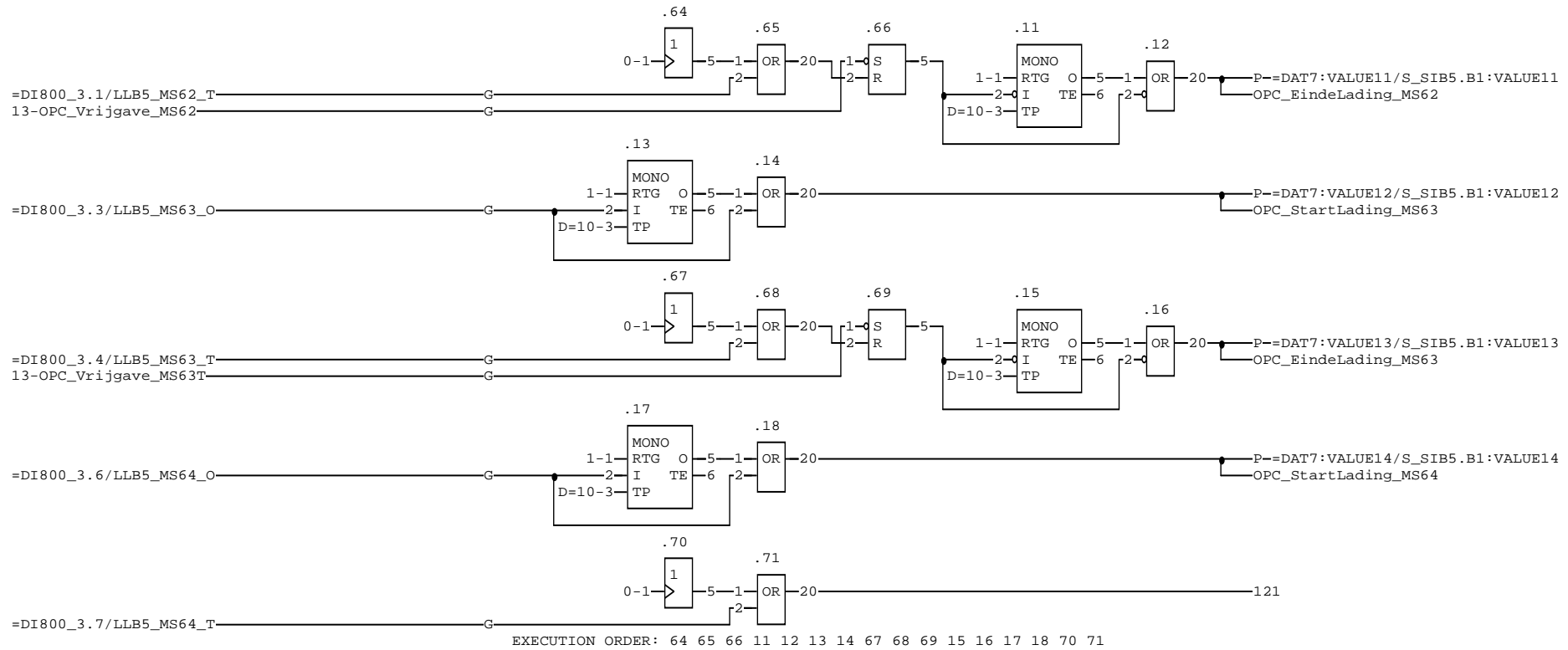


Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 119
Date	3 aug 2012			Cont. 120

ABB Automation and Drives

03-AUG-2012/08:37

COMMON IDENTITY: PC1.16.12

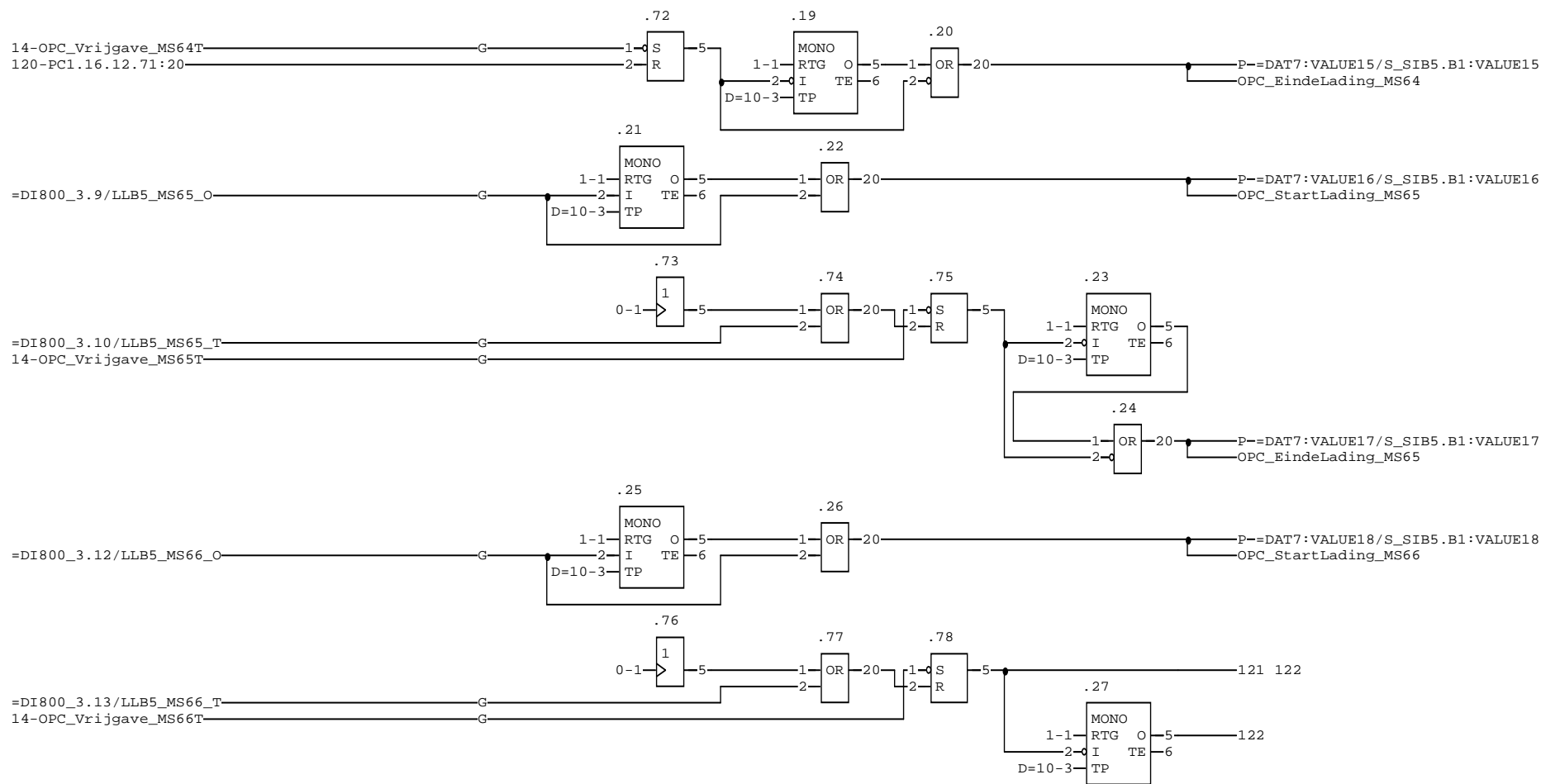


Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 120
Date	3 aug 2012			Cont. 121

ABB Automation and Drives

03-AUG-2012/08:37

COMMON IDENTITY: PC1.16.12



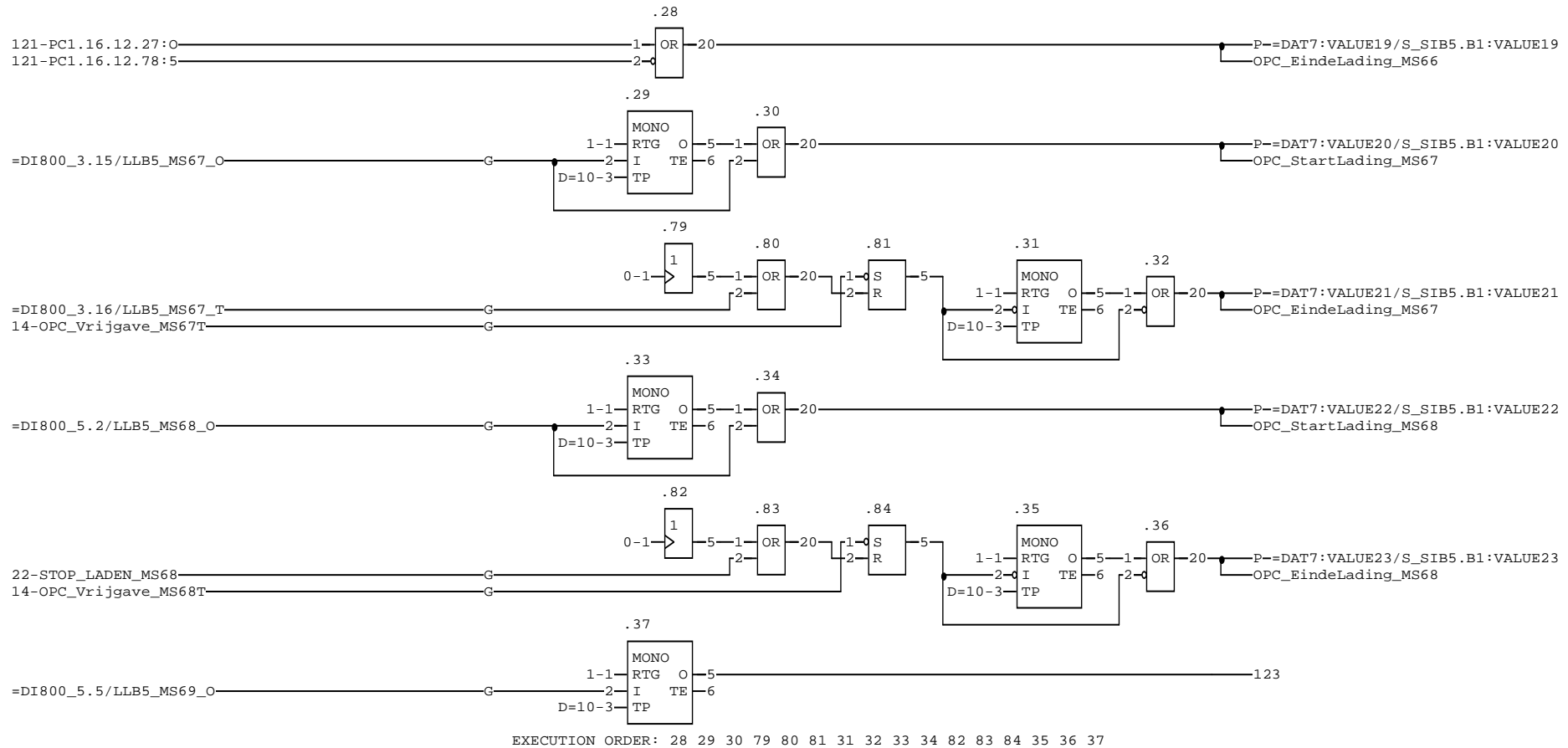
EXECUTION ORDER: 72 19 20 21 22 73 74 75 23 24 25 26 76 77 78 27

Design ch.	BVH/TL	PC DIAGRAM PC1	Lang.
Tech. ref.		Laden uit bunkers 60-69 en 85-86	Rev. ind.
Resp. dept.	E & I		Sheet 121
Date	3 aug 2012		Cont. 122

ABB Automation and Drives

03-AUG-2012/08:37

COMMON IDENTITY: PC1.16.12



EXECUTION ORDER: 28 29 30 79 80 81 31 32 33 34 82 83 84 35 36 37

Design ch.	BVH/TL	PC DIAGRAM PC1	Lang.
Tech. ref.		Laden uit bunkers 60-69 en 85-86	Rev. ind.
Resp. dept.	E & I		Sheet 122
Date	3 aug 2012		Cont. 123

03-AUG-2012/08:37

COMMON IDENTITY: PC1.16.12

122-PC1.16.12.37:O

122-PC1.16.12.37:I

.38

OR

20

1

2

P-=DAT7:VALUE24/S_SIB5.B1:VALUE24

OPC_StartLading_MS69

22-STOP_LADEN_MS69

15-OPC_Vrijgave_MS69T

.85

1

0-1

.86

OR

20

1

2

.87

S

5

R

2

.39

MONO

1-1

RTG

O

5

2

I

6

TP

D=10-3

.40

OR

20

1

2

P-=DAT7:VALUE25/S_SIB5.B1:VALUE25

OPC_EindeLading_MS69

=DI800_5.10/LLB5_MS85_O_DI

G

.41

MONO

1-1

RTG

O

5

2

I

6

TP

D=10-3

.42

OR

20

1

2

P-=DAT7:VALUE26/S_SIB5.B1:VALUE26

OPC_StartLading_MS85

22-STOP_LADEN_MS85

15-OPC_Vrijgave_MS85

.88

1

0-1

.89

OR

20

1

2

.90

S

5

R

2

.43

MONO

1-1

RTG

O

5

2

I

6

TP

D=10-3

.44

OR

20

1

2

P-=DAT7:VALUE27/S_SIB5.B1:VALUE27

OPC_EindeLading_MS85

=DI800_5.13/LLB5_MS86_O_DI

G

.45

MONO

1-1

RTG

O

5

2

I

6

TP

D=10-3

.46

OR

20

1

2

P-=DAT7:VALUE28/S_SIB5.B1:VALUE28

OPC_StartLading_MS86

0-1

1

.91

5

124

EXECUTION ORDER: 38 85 86 87 39 40 41 42 88 89 90 43 44 45 46 91

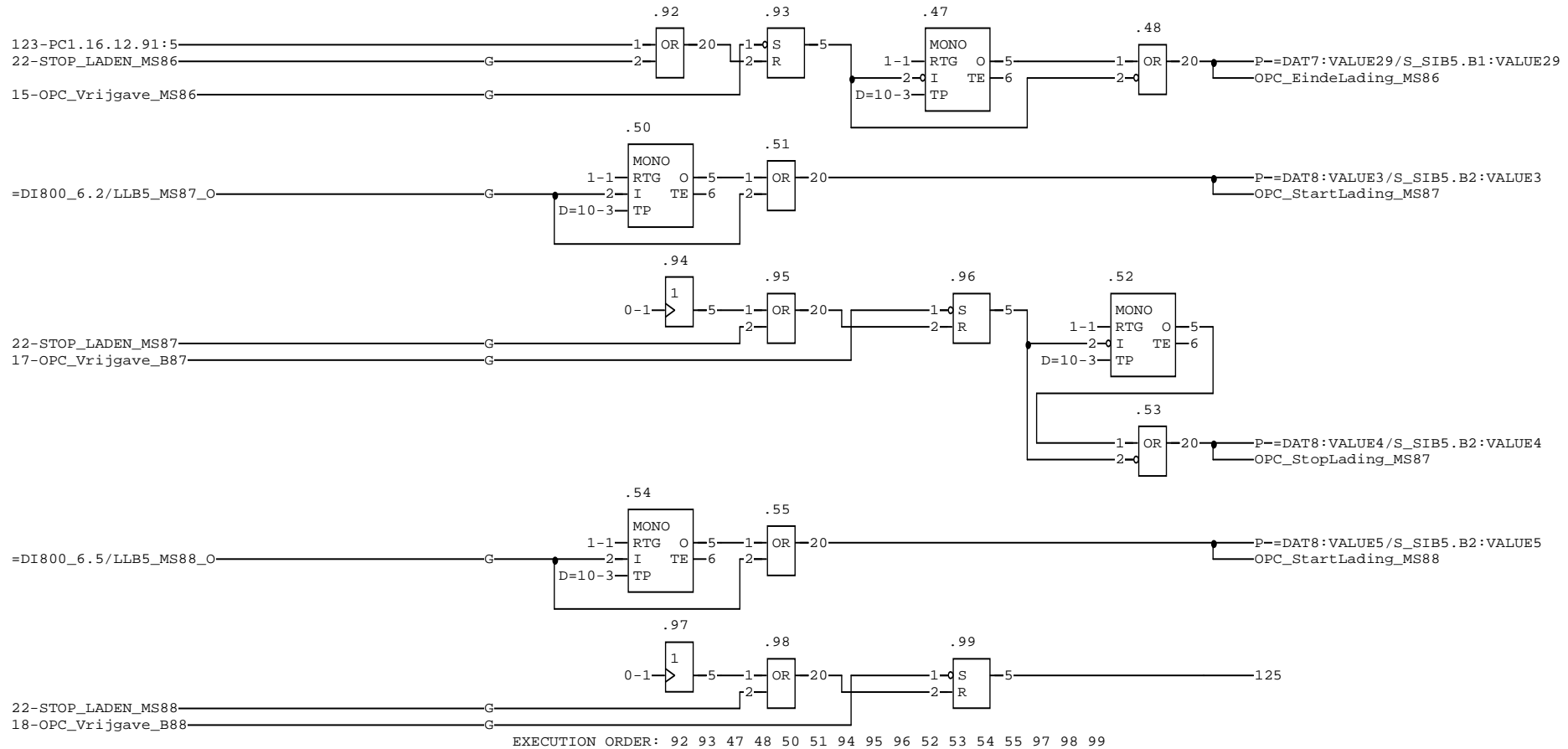
Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.	
Tech. ref.			Rev. ind.	
Resp. dept.	E & I		Sheet	123
Date	3 aug 2012		Cont.	124

Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 123
Date	3 aug 2012			Cont. 124

ABB Automation and Drives

03-AUG-2012/08:37

COMMON IDENTITY: PC1.16.12



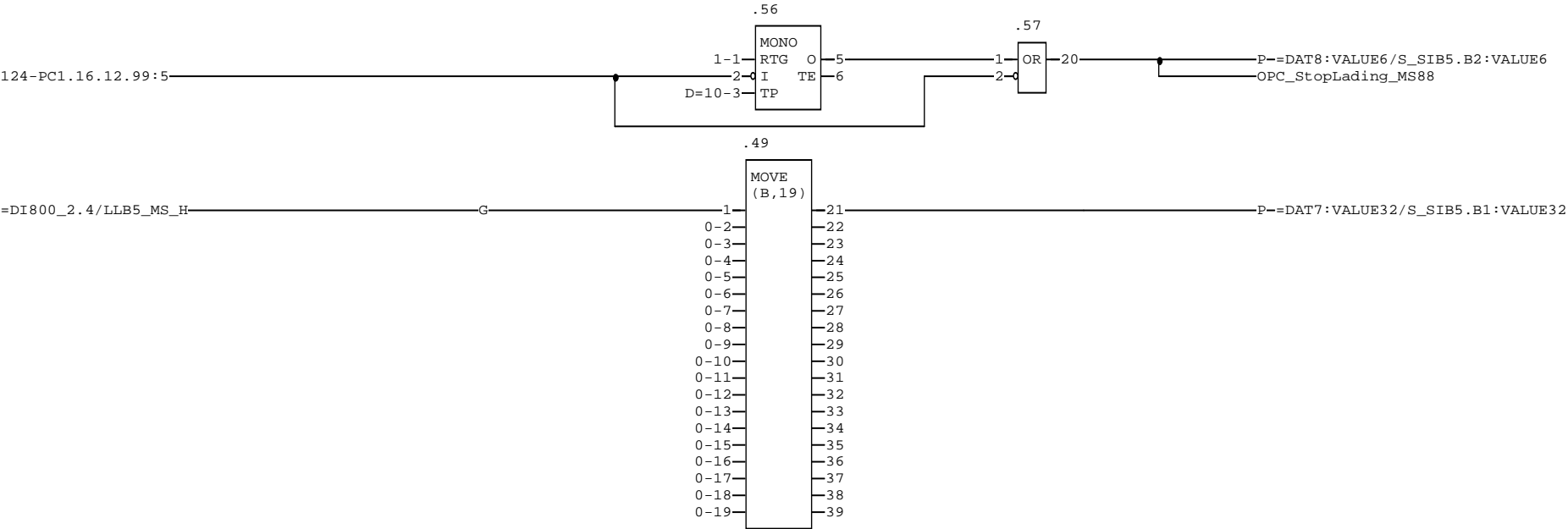
EXECUTION ORDER: 92 93 47 48 50 51 94 95 96 52 53 54 55 97 98 99

Design ch.	BVH/TL	PC DIAGRAM PC1	Lang.
Tech. ref.		Laden uit bunkers 60-69 en 85-86	Rev. ind.
Resp. dept.	E & I		Sheet 124
Date	3 aug 2012		Cont. 125

ABB Automation and Drives

03-AUG-2012/08:37

COMMON IDENTITY: PC1.16.12

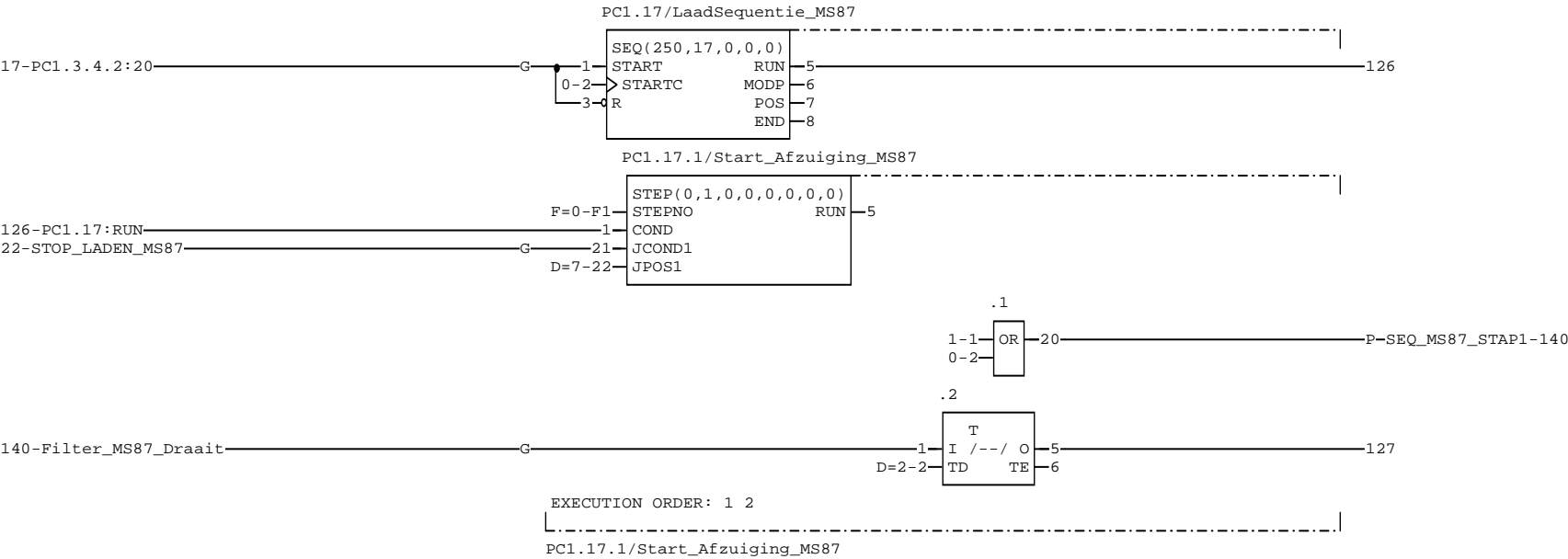


EXECUTION ORDER: 56 57 49

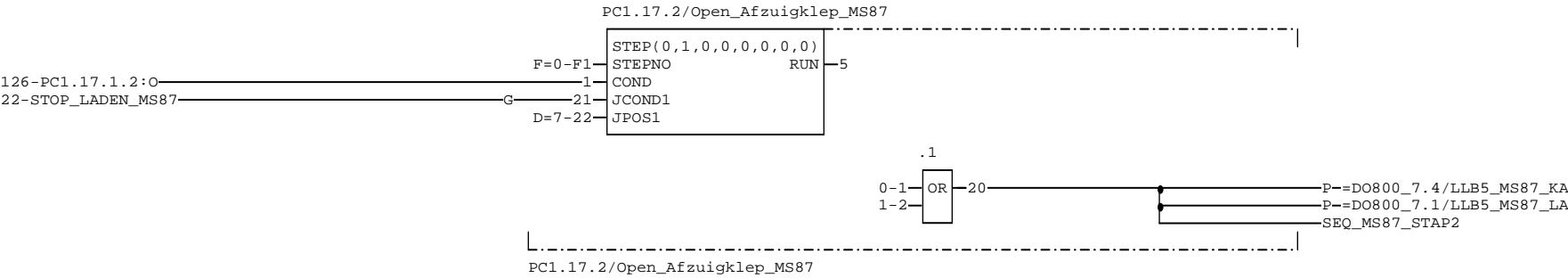
PC1.16.12/OPC_SIGNALEN

PC1.16

Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 125
Date	3 aug 2012		Cont. 126



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 126
Date	3 aug 2012			Cont. 127

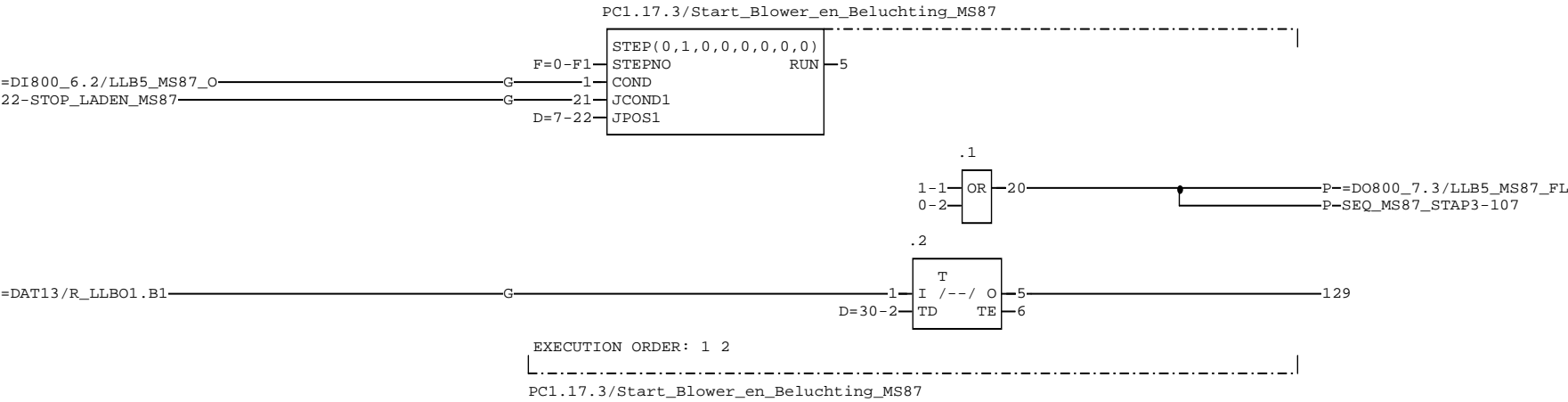


Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 127
Date	3 aug 2012			Cont. 128

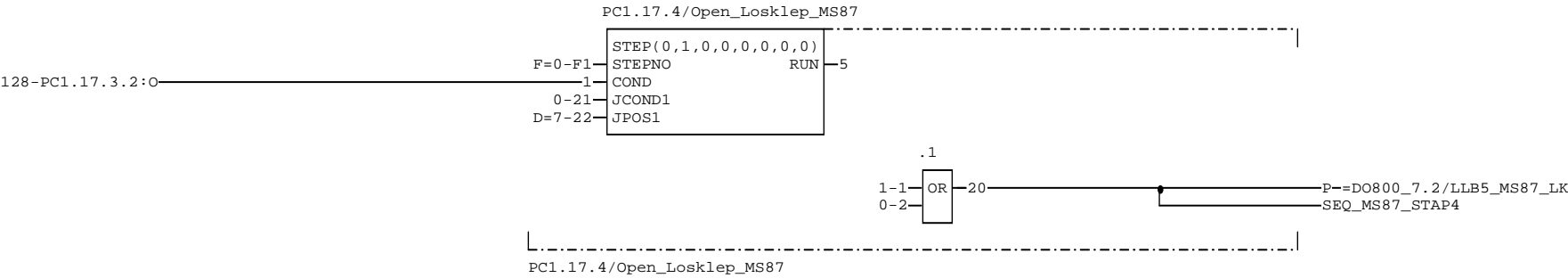
ABB Automation and Drives

03-AUG-2012/08:37

COMMON IDENTITY: PC1.17



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 128
Date	3 aug 2012			Cont. 129

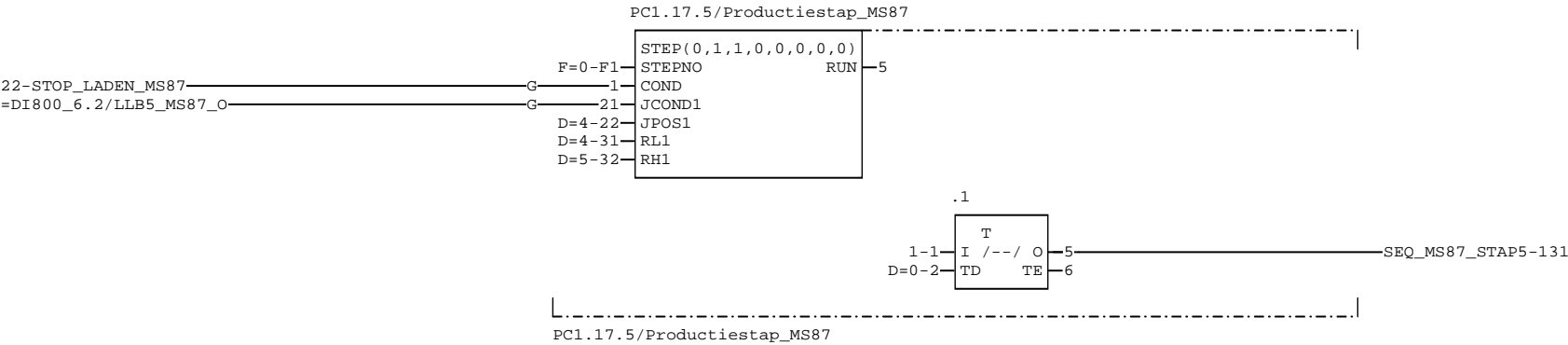


Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 129
Date	3 aug 2012		Cont. 130

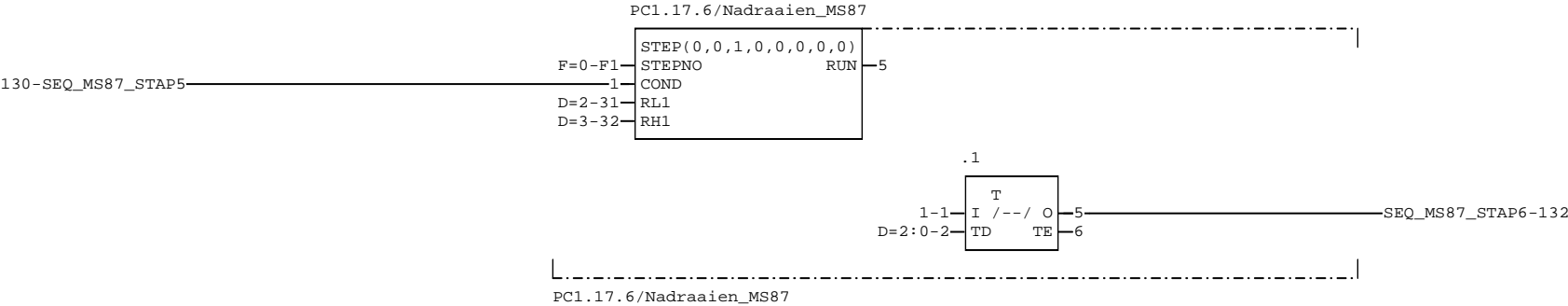
ABB Automation and Drives

03-AUG-2012/08:37

COMMON IDENTITY: PC1.17



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 130
Date	3 aug 2012		Cont. 131

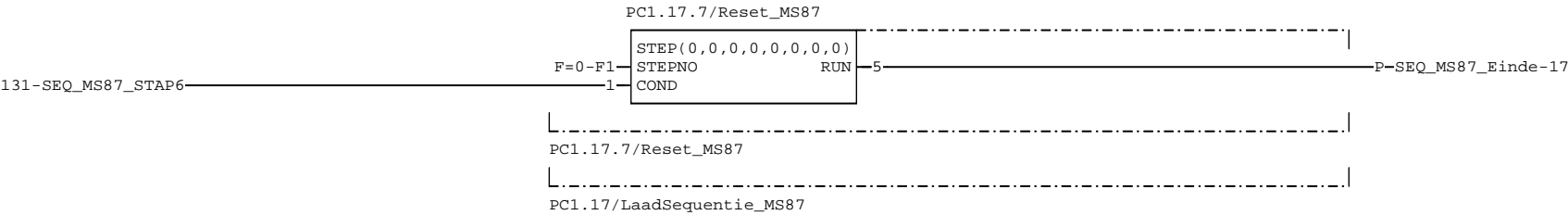


Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 131
Date	3 aug 2012		Cont. 132

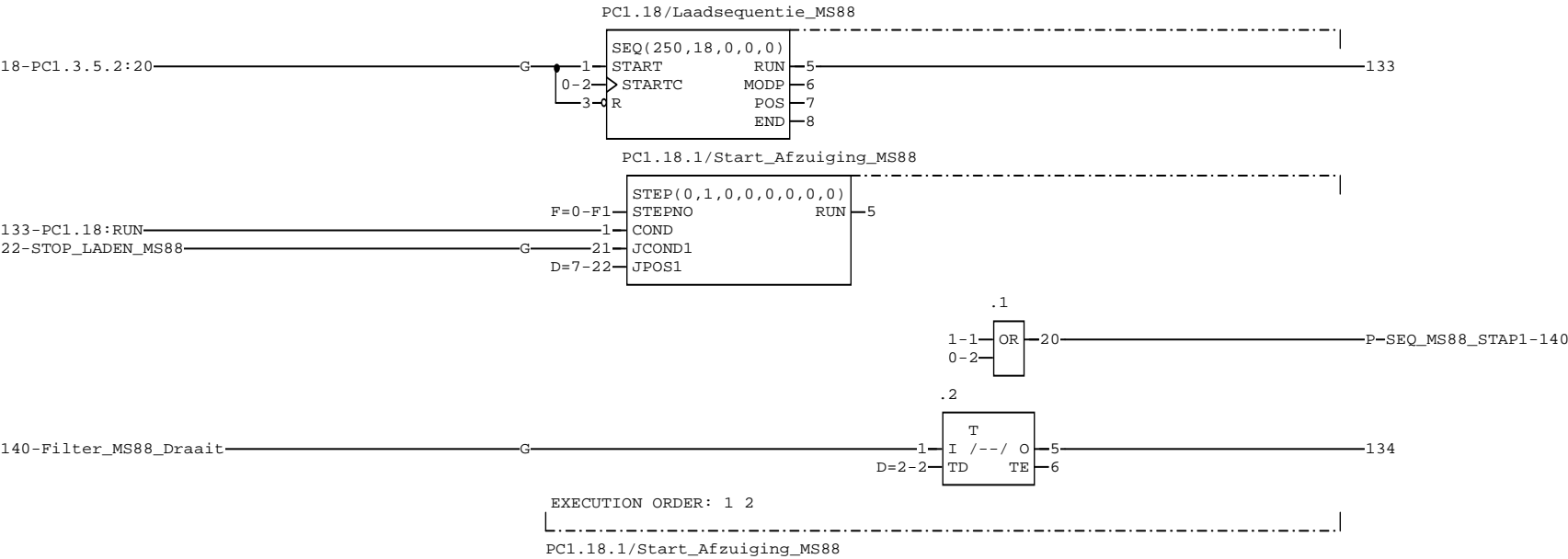
ABB Automation and Drives

03-AUG-2012/08:37

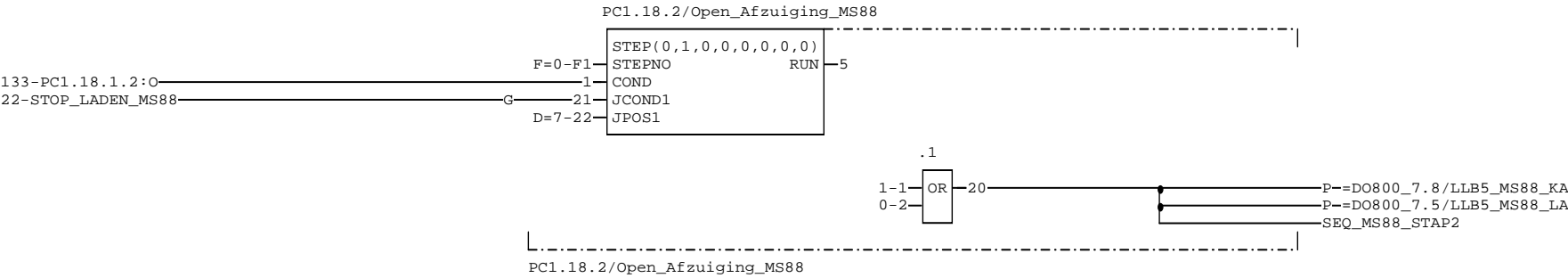
COMMON IDENTITY: PC1.17



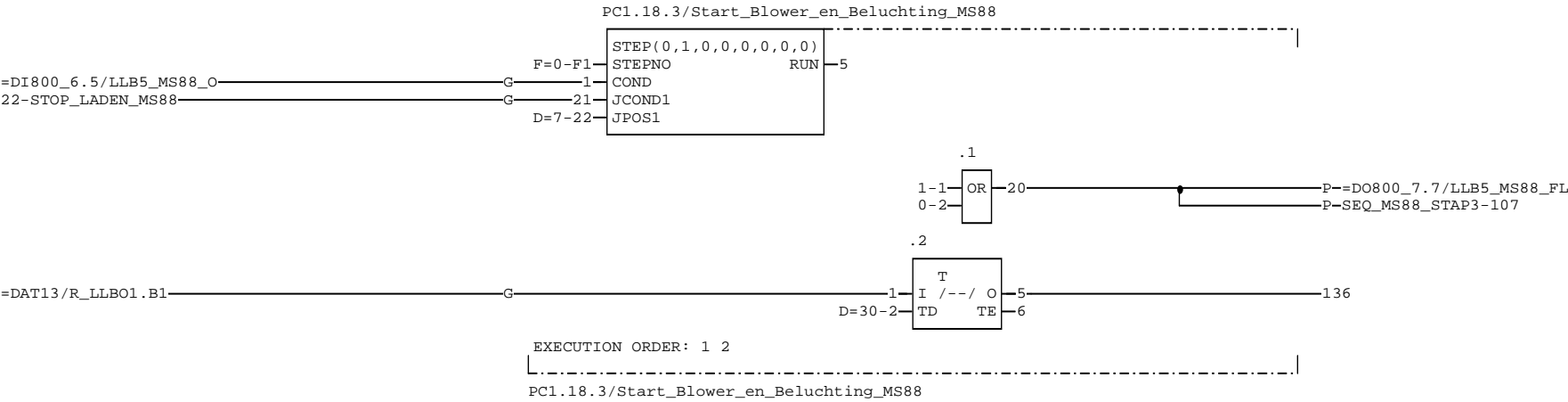
Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 132
Date	3 aug 2012			Cont. 133



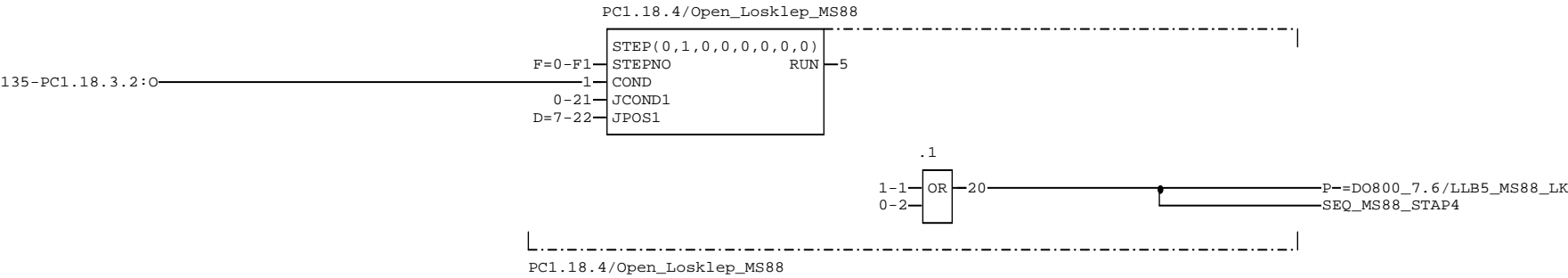
Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 133
Date	3 aug 2012		Cont. 134



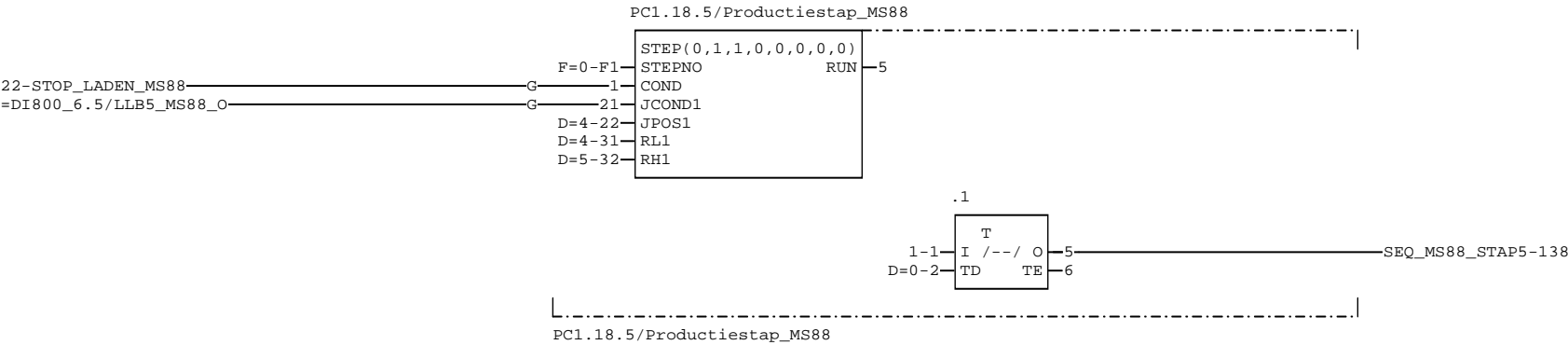
Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 134
Date	3 aug 2012		Cont. 135



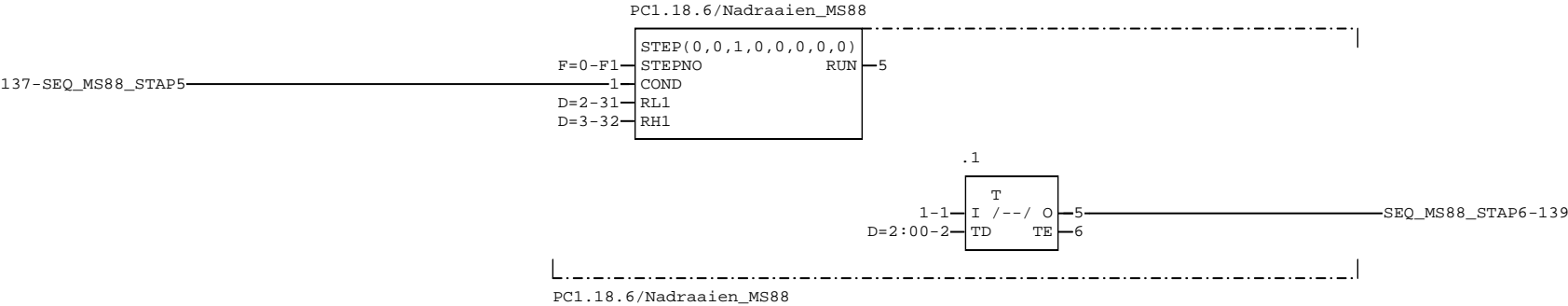
Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 135
Date	3 aug 2012			Cont. 136



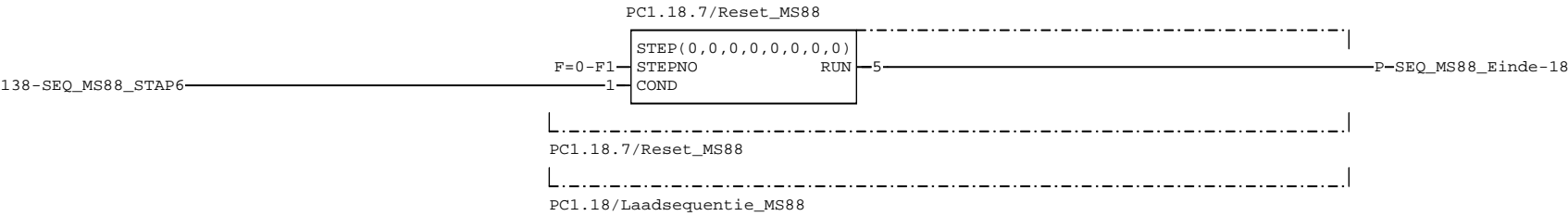
Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 136
Date	3 aug 2012		Cont. 137



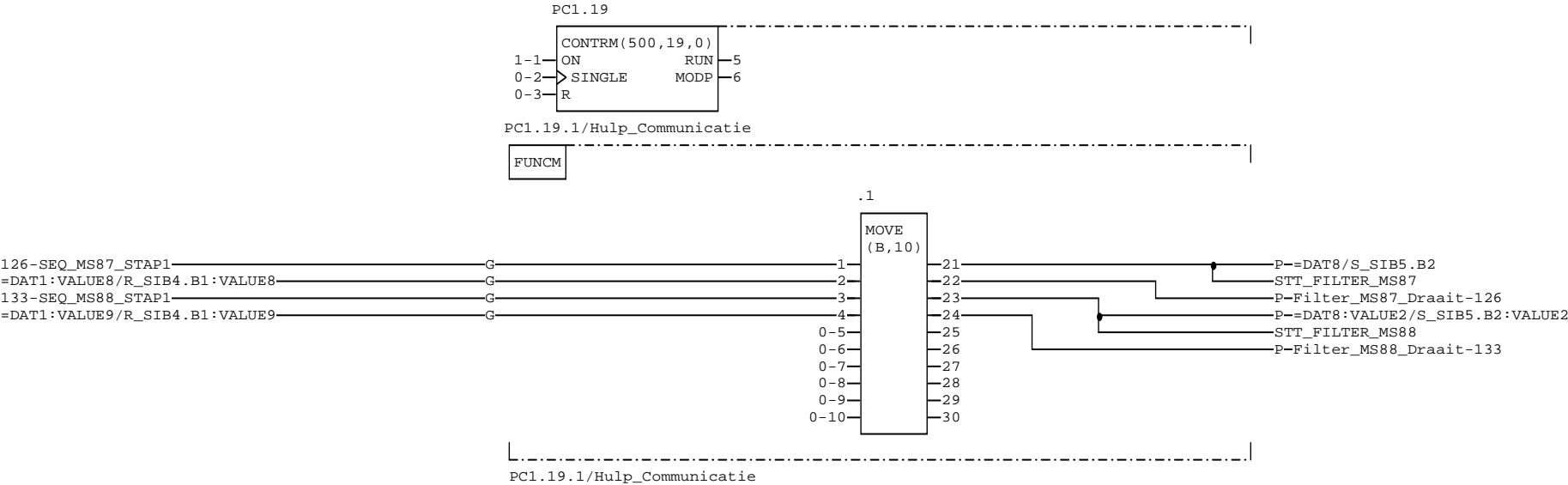
Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 137
Date	3 aug 2012		Cont. 138



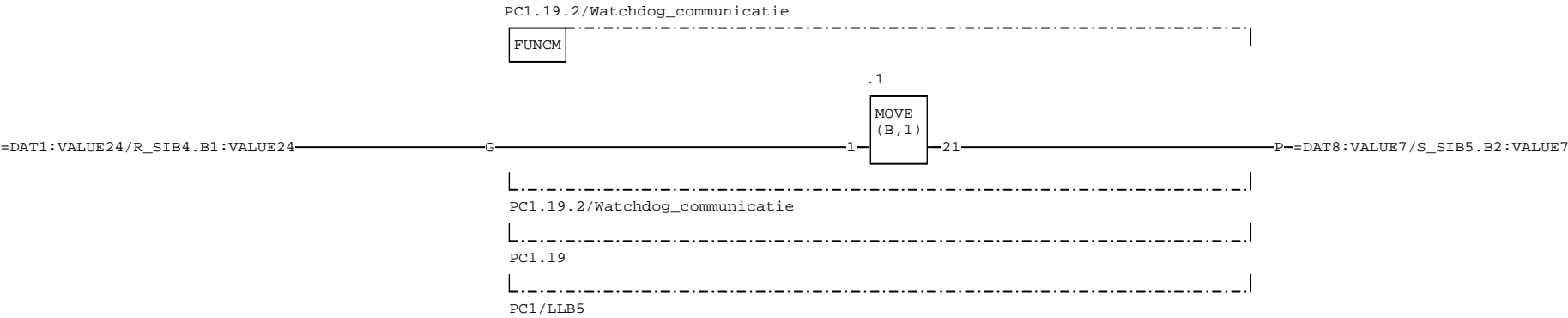
Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 138
Date	3 aug 2012			Cont. 139



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 139
Date	3 aug 2012		Cont. 140



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86		Lang.
Tech. ref.				Rev. ind.
Resp. dept.	E & I			Sheet 140
Date	3 aug 2012			Cont. 141



Design ch.	BVH/TL	PC DIAGRAM PC1 Laden uit bunkers 60-69 en 85-86	Lang.
Tech. ref.			Rev. ind.
Resp. dept.	E & I		Sheet 141
Date	3 aug 2012		Cont. -