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Document name: Electrical drawings PRmk1 v2.0
Mounting group: Prorunner mk1
Type: Standard

Power supply: See specification sheet
Control voltage: 24VDC
According to: NEN-EN-IEC 60204-1: 2006

Version number: v2.0



Description of the project
Prorunner mk1
Standard

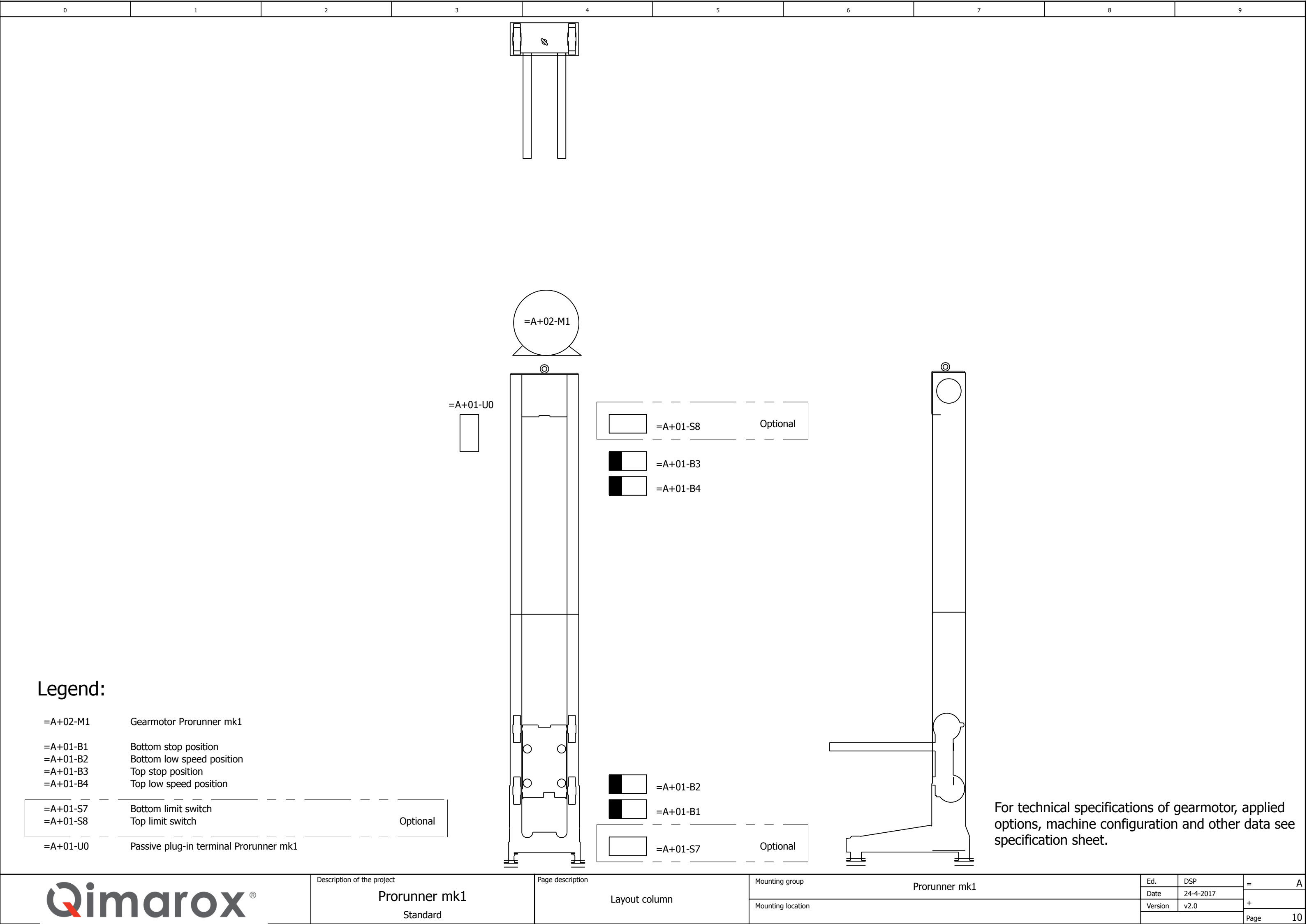
Page description
Title page

Mounting group
Prorunner mk1
Mounting location

Ed.	DSP	=	A
Date	24-4-2017	+	
Version	v2.0		
			Page 1

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=A	Prorunner mk1			1	Title page
				2	Table of contents
				10	Layout column
				11	Layout carrier
				12	Layout conveyor on carrier
				20	Overview passive plug-in terminal column
				2000	Parts list
				2001	Parts list
		+01	Detection column	500	Field components
		+01	Detection column	501	Field components
		+02	Gearmotor column	150	Gearmotor, 3 fase
		+03	Detection conveyor on carrier	501	Field components
		+04	Drive conveyor on carrier	100	Rollerdrive, 24VDC
		+04	Drive conveyor on carrier	150	Gearmotor, 3 fase



Legend:

- =A+02-M1 Gearmotor Prorunner mk1
- =A+01-B1 Bottom stop position
- =A+01-B2 Bottom low speed position
- =A+01-B3 Top stop position
- =A+01-B4 Top low speed position

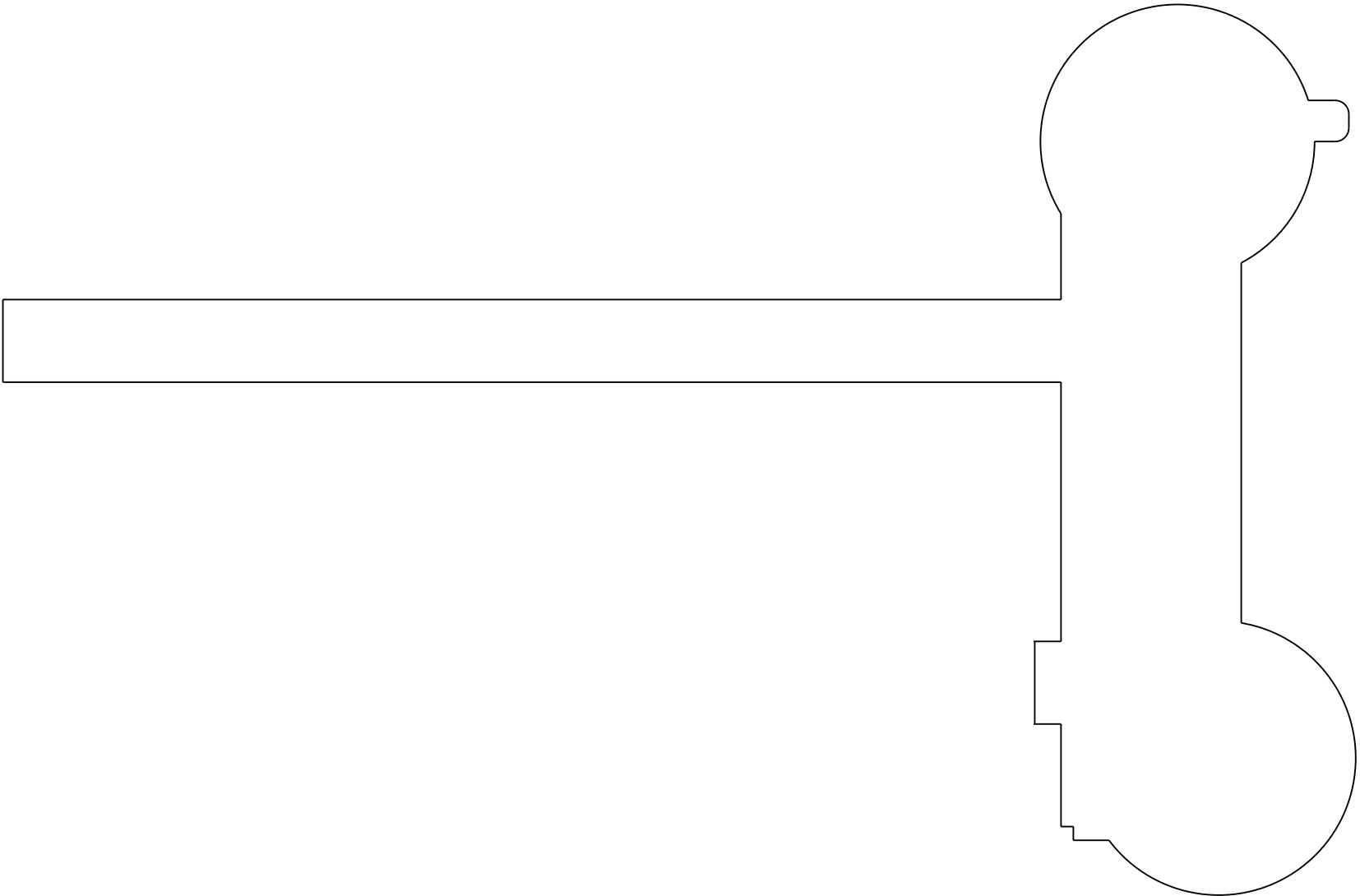
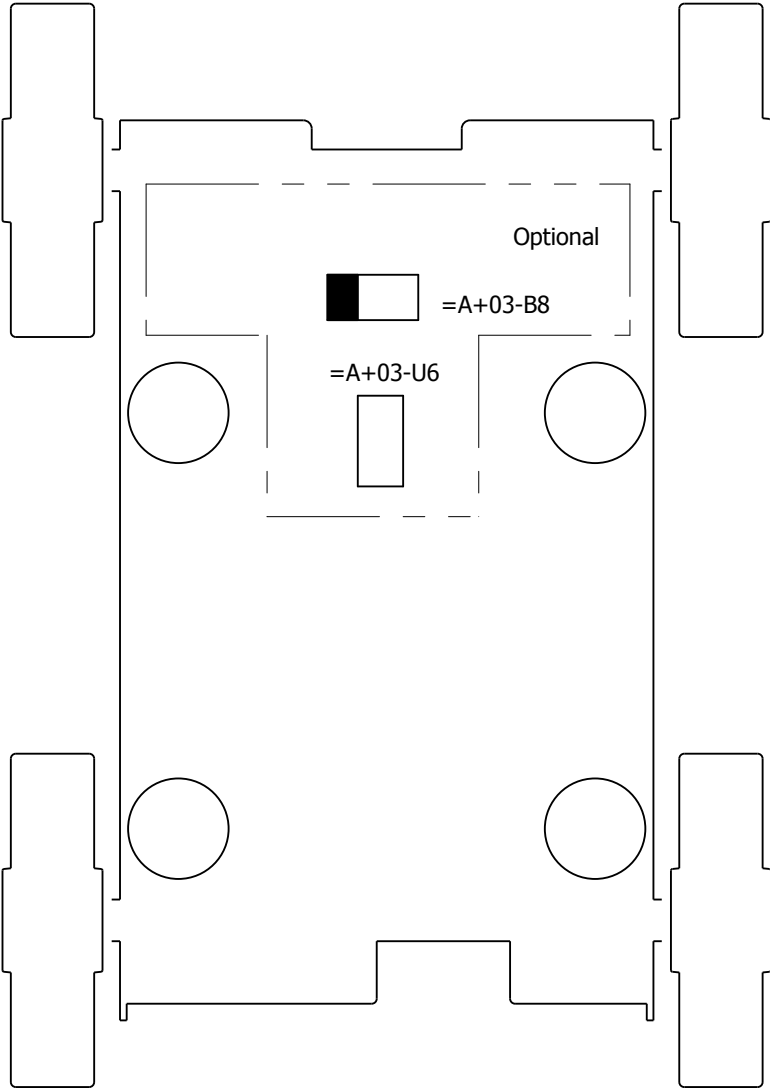
=A+01-S7	Bottom limit switch	Optional
=A+01-S8	Top limit switch	

=A+01-U0 Passive plug-in terminal Prorunner mk1

- =A+01-B2
- =A+01-B1

=A+01-S7	Optional
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For technical specifications of gearmotor, applied options, machine configuration and other data see specification sheet.

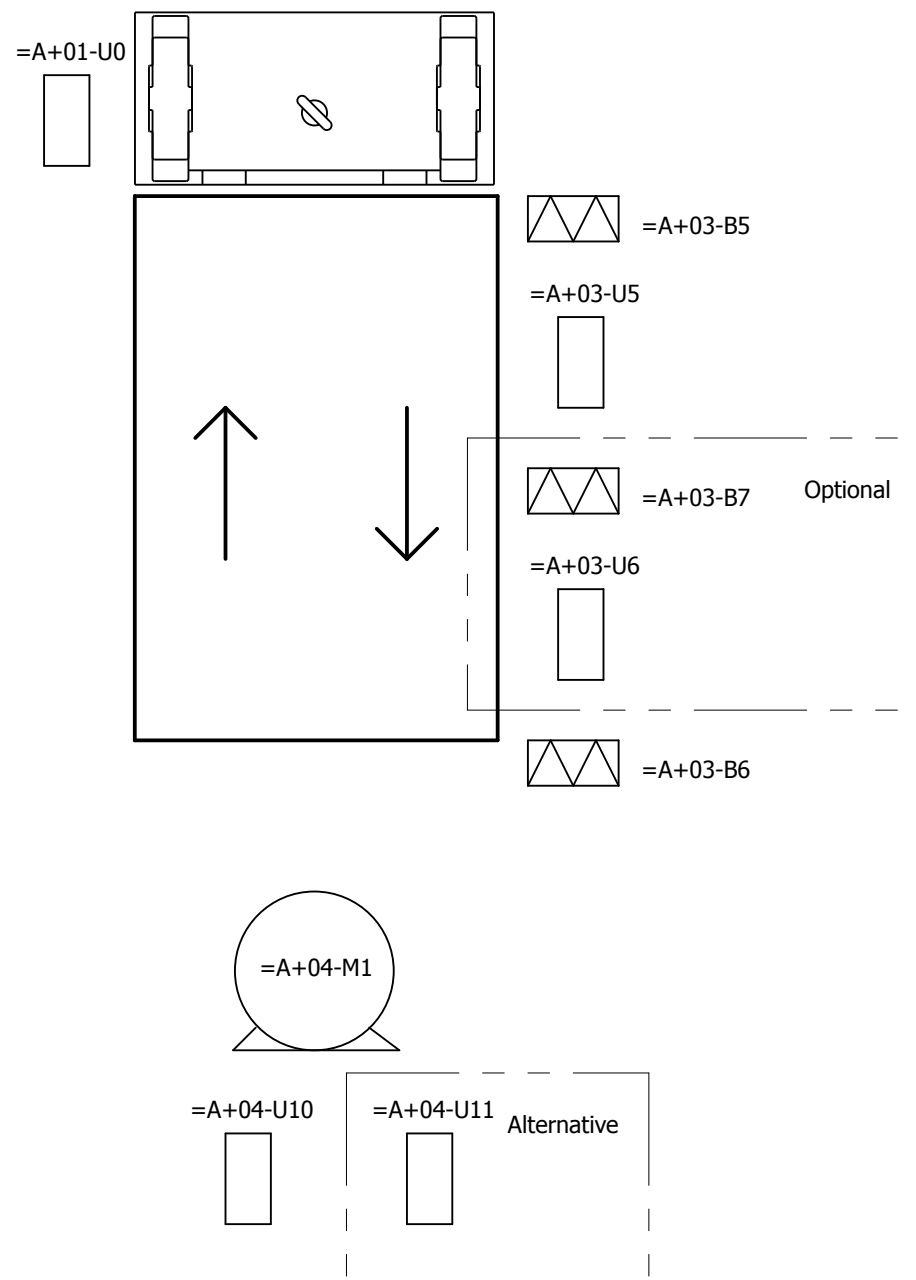


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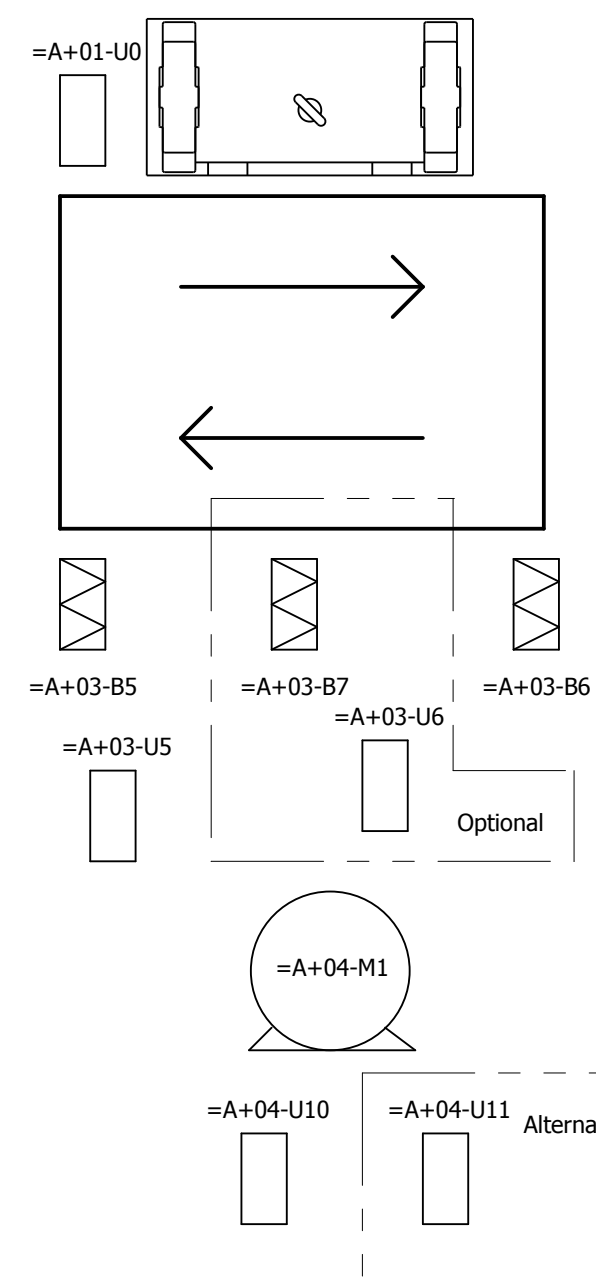
=A+03-B8	Belt slack detection ok	Optional
=A+03-U6	T-coupler 2 carrier	

For technical specifications of gearmotor, applied options, machine configuration and other data see specification sheet.

Front in- and outfeed



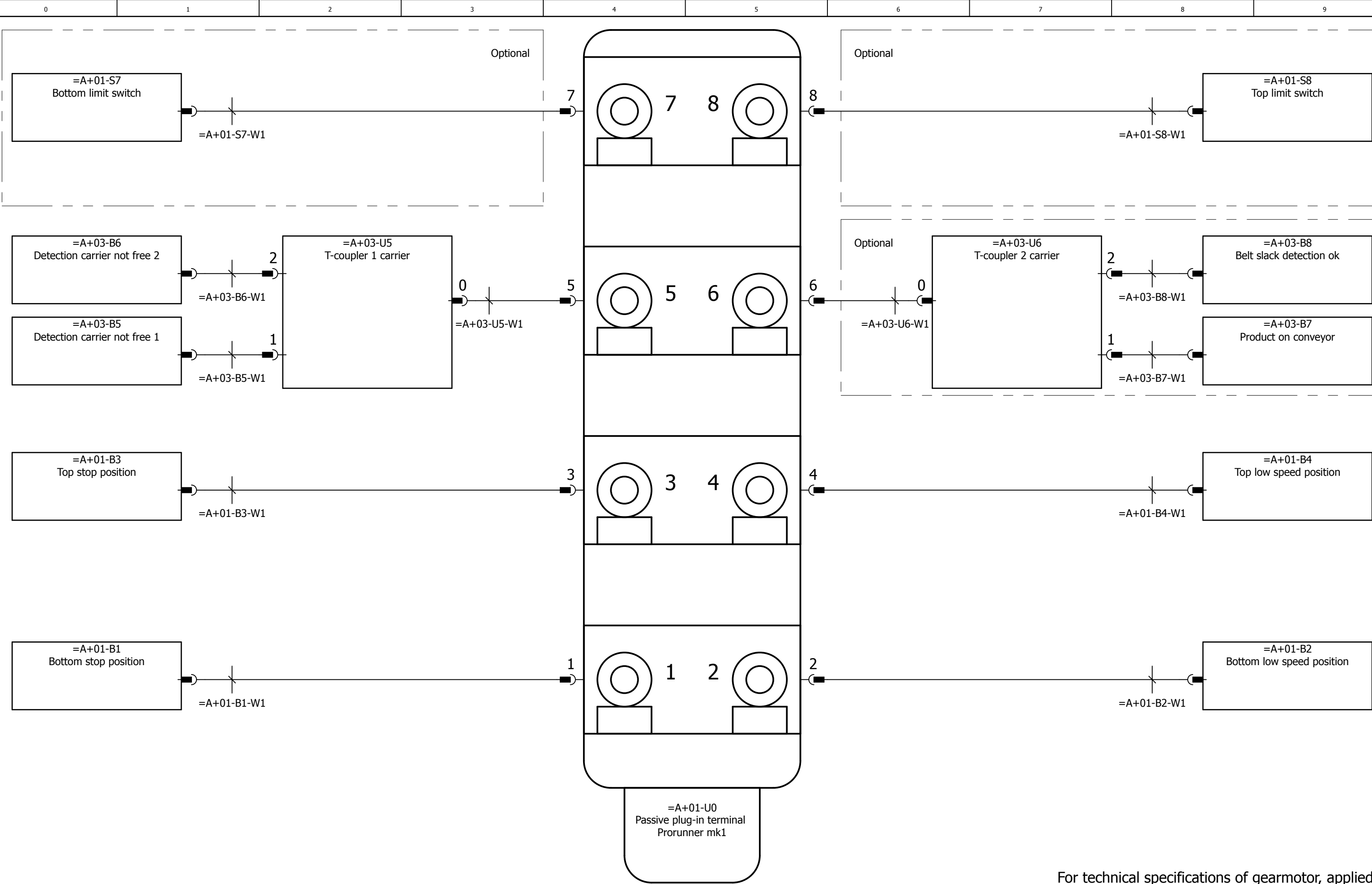
Side in- and outfeed



Legend:

=A+04-M1	Drive conveyor on carrier	
=A+04-U10	Drive control DC20, conveyor on carrier	
=A+04-U11	Drive control DC54, conveyor on carrier	Alternative
=A+03-B5	Detection carrier not free 1	
=A+03-B6	Detection carrier not free 2	
=A+03-B7	Product on conveyor	Optional
=A+01-U0	Passive plug-in terminal Prorunner mk1	
=A+03-U5	T-coupler 1 carrier	
=A+03-U6	T-coupler 2 carrier	Optional

For technical specifications of gearmotor, applied options, machine configuration and other data see specification sheet.



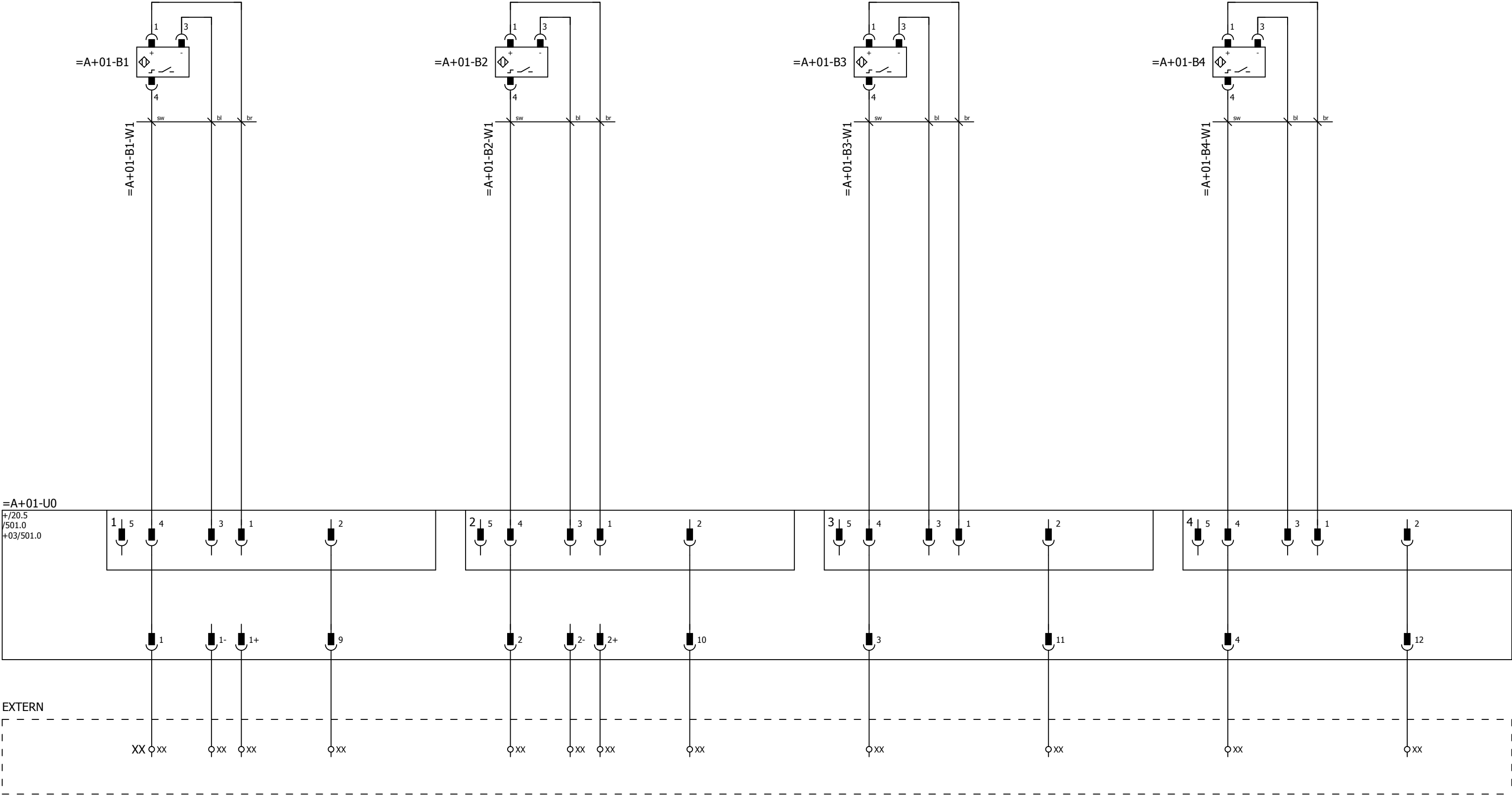
For technical specifications of gearmotor, applied options, machine configuration and other data see specification sheet.

Parts list

Position	Quantity	Article number	Discription	Manufacturer	Type number
+01-B1	1	1000932	Inductive proximity sensor	Sick	IME18-08BPSZC0K
+01-B1-W1	1	1001326	Prefab cable, PVC, 5 meter, connector M12 male 90°+ M12 female 90°, 4-pole	Murrelektronic	PVC-OB 4x0,34mm2
+01-B1-W1	1	1001600	Prefab cable, PVC, 10 meter, connector M12 male 90°+ M12 female 90°, 4-pole	Murrelektronic	PVC-OB 4x0,34mm2
+01-B1-W1	1	1006487	Prefab cable, PVC, 15 meter, connector M12 male 90°+ M12 female 90°, 4-pole	Murrelektronic	PVC-OB 4x0,34mm2
+01-B2	1	1000932	Inductive proximity sensor	Sick	IME18-08BPSZC0K
+01-B2-W1	1	1001326	Prefab cable, PVC, 5 meter, connector M12 male 90°+ M12 female 90°, 4-pole	Murrelektronic	PVC-OB 4x0,34mm2
+01-B2-W1	1	1001600	Prefab cable, PVC, 10 meter, connector M12 male 90°+ M12 female 90°, 4-pole	Murrelektronic	PVC-OB 4x0,34mm2
+01-B2-W1	1	1006487	Prefab cable, PVC, 15 meter, connector M12 male 90°+ M12 female 90°, 4-pole	Murrelektronic	PVC-OB 4x0,34mm2
+01-B3	1	1000932	Inductive proximity sensor	Sick	IME18-08BPSZC0K
+01-B3-W1	1	1001528	Prefab cable, PVC, 2 meter, connector M12 male 90°+ M12 female 90°, 4-pole	Murrelektronic	PVC-OB 4x0,34mm2
+01-B4	1	1000932	Inductive proximity sensor	Sick	IME18-08BPSZC0K
+01-B4-W1	1	1001528	Prefab cable, PVC, 2 meter, connector M12 male 90°+ M12 female 90°, 4-pole	Murrelektronic	PVC-OB 4x0,34mm2
+01-S7	1	AE0005524	Limit switch basic contact element, M12 connector	Schneider Electric	ZCMD21C12
+01-S7	1	AE0005537	Limit switch lever	Schneider Electric	ZCY54
+01-S7	1	AE0005534	Limit switch control head	Schneider Electric	ZCE05
+01-S7-W1	1	1001326	Prefab cable, PVC, 5 meter, connector M12 male 90°+ M12 female 90°, 4-pole	Murrelektronic	PVC-OB 4x0,34mm2
+01-S7-W1	1	1001600	Prefab cable, PVC, 10 meter, connector M12 male 90°+ M12 female 90°, 4-pole	Murrelektronic	PVC-OB 4x0,34mm2
+01-S7-W1	1	1006487	Prefab cable, PVC, 15 meter, connector M12 male 90°+ M12 female 90°, 4-pole	Murrelektronic	PVC-OB 4x0,34mm2
+01-S8	1	AE0005524	Limit switch basic contact element, M12 connector	Schneider Electric	ZCMD21C12
+01-S8	1	AE0005537	Limit switch lever	Schneider Electric	ZCY54
+01-S8	1	AE0005534	Limit switch control head	Schneider Electric	ZCE05
+01-S8-W1	1	1001601	Prefab cable, PVC, 1 meter, connector M12 male 90°+ M12 female 90°, 4-pole	Murrelektronic	PVC-OB 4x0,34mm2
+01-U0	1	1003309	Passive plug-in terminal, 8-fold, 5-pole, M12	Murrelektronic	Exact12 8xM12 5-p
+02-M1	1		See specification sheet		
+03-B5	1	1005663	Reflex sensor	Sick	GL6-P4211
+03-B5	1	1003575	Reflector	Sick	PL20A
+03-B5-W1	1	1003307	Prefab cable, PVC, 1 meter, connector M12 male + female M8, 4-pole	Murrelektronic	PVC-OB 4x0,25mm2
+03-B6	1	1005663	Reflex sensor	Sick	GL6-P4211
+03-B6	1	1003575	Reflector	Sick	PL20A
+03-B6-W1	1	1003307	Prefab cable, PVC, 1 meter, connector M12 male + female M8, 4-pole	Murrelektronic	PVC-OB 4x0,25mm2
+03-B7	1	1005663	Reflex sensor	Sick	GL6-P4211
+03-B7	1	1003575	Reflector	Sick	PL20A
+03-B7-W1	1	1003307	Prefab cable, PVC, 1 meter, connector M12 male + female M8, 4-pole	Murrelektronic	PVC-OB 4x0,25mm2
+03-B8	1	1000932	Inductive proximity sensor	Sick	IME18-08BPSZC0K
+03-B8-W1	1	1001601	Prefab cable, PVC, 1 meter, connector M12 male 90°+ M12 female 90°, 4-pole	Murrelektronic	PVC-OB 4x0,34mm2
+03-U5	1	1003313	T-Coupler 5p Male M12 / 2x 4p Female M12	Murrelektronic	T-Coupler5p Male M12 / 2x 4p Female M12



0	1	2	3	4	5	6	7	8	9																																																						
Parts list																																																															
<table><tr><th>Position</th><th>Quantity</th><th>Article number</th><th>Discription</th><th>Manufacturer</th><th>Type number</th></tr><tr><td>+03-U5-W1</td><td>1</td><td>1004351</td><td>Prefab cable, PUR, 10 meter, connector M12 male 90°+ M12 female 90°, 4-pole</td><td>Murrelektronic</td><td>PUR-OB 4x0,34mm2</td></tr><tr><td>+03-U5-W1</td><td>1</td><td>1006494</td><td>Prefab cable, PUR, 15 meter, connector M12 male 90°+ M12 female 90°, 4-pole</td><td>Murrelektronic</td><td>PUR-OB 4x0,34mm2</td></tr><tr><td>+03-U6</td><td>1</td><td>1003313</td><td>T-Coupler 5p Male M12 / 2x 4p Female M12</td><td>Murrelektronic</td><td>T-Coupler5p Male M12 / 2x 4p Female M12</td></tr><tr><td>+03-U6-W1</td><td>1</td><td>1004351</td><td>Prefab cable, PUR, 10 meter, connector M12 male 90°+ M12 female 90°, 4-pole</td><td>Murrelektronic</td><td>PUR-OB 4x0,34mm2</td></tr><tr><td>+03-U6-W1</td><td>1</td><td>1006494</td><td>Prefab cable, PUR, 15 meter, connector M12 male 90°+ M12 female 90°, 4-pole</td><td>Murrelektronic</td><td>PUR-OB 4x0,34mm2</td></tr><tr><td>+04-M1</td><td>1</td><td></td><td>See specification sheet</td><td></td><td></td></tr><tr><td>+04-U10</td><td>1</td><td>1000058</td><td>Drive controll DC20, IP20</td><td>Interroll</td><td>DC20</td></tr><tr><td>+04-U11</td><td>1</td><td>1001154</td><td>Drive control DC54, IP54</td><td>Interroll</td><td>DC54</td></tr></table>										Position	Quantity	Article number	Discription	Manufacturer	Type number	+03-U5-W1	1	1004351	Prefab cable, PUR, 10 meter, connector M12 male 90°+ M12 female 90°, 4-pole	Murrelektronic	PUR-OB 4x0,34mm2	+03-U5-W1	1	1006494	Prefab cable, PUR, 15 meter, connector M12 male 90°+ M12 female 90°, 4-pole	Murrelektronic	PUR-OB 4x0,34mm2	+03-U6	1	1003313	T-Coupler 5p Male M12 / 2x 4p Female M12	Murrelektronic	T-Coupler5p Male M12 / 2x 4p Female M12	+03-U6-W1	1	1004351	Prefab cable, PUR, 10 meter, connector M12 male 90°+ M12 female 90°, 4-pole	Murrelektronic	PUR-OB 4x0,34mm2	+03-U6-W1	1	1006494	Prefab cable, PUR, 15 meter, connector M12 male 90°+ M12 female 90°, 4-pole	Murrelektronic	PUR-OB 4x0,34mm2	+04-M1	1		See specification sheet			+04-U10	1	1000058	Drive controll DC20, IP20	Interroll	DC20	+04-U11	1	1001154	Drive control DC54, IP54	Interroll	DC54
Position	Quantity	Article number	Discription	Manufacturer	Type number																																																										
+03-U5-W1	1	1004351	Prefab cable, PUR, 10 meter, connector M12 male 90°+ M12 female 90°, 4-pole	Murrelektronic	PUR-OB 4x0,34mm2																																																										
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+04-U11	1	1001154	Drive control DC54, IP54	Interroll	DC54																																																										
	Description of the project Prorunner mk1 Standard		Page description Parts list	Mounting group Prorunner mk1			Ed.	DSP	=	A																																																					
				Mounting location			Date	30-3-2017	+																																																						
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Passive plug-in terminal Prorunner mk1

Bottom stop position

Spare

Bottom low speed position

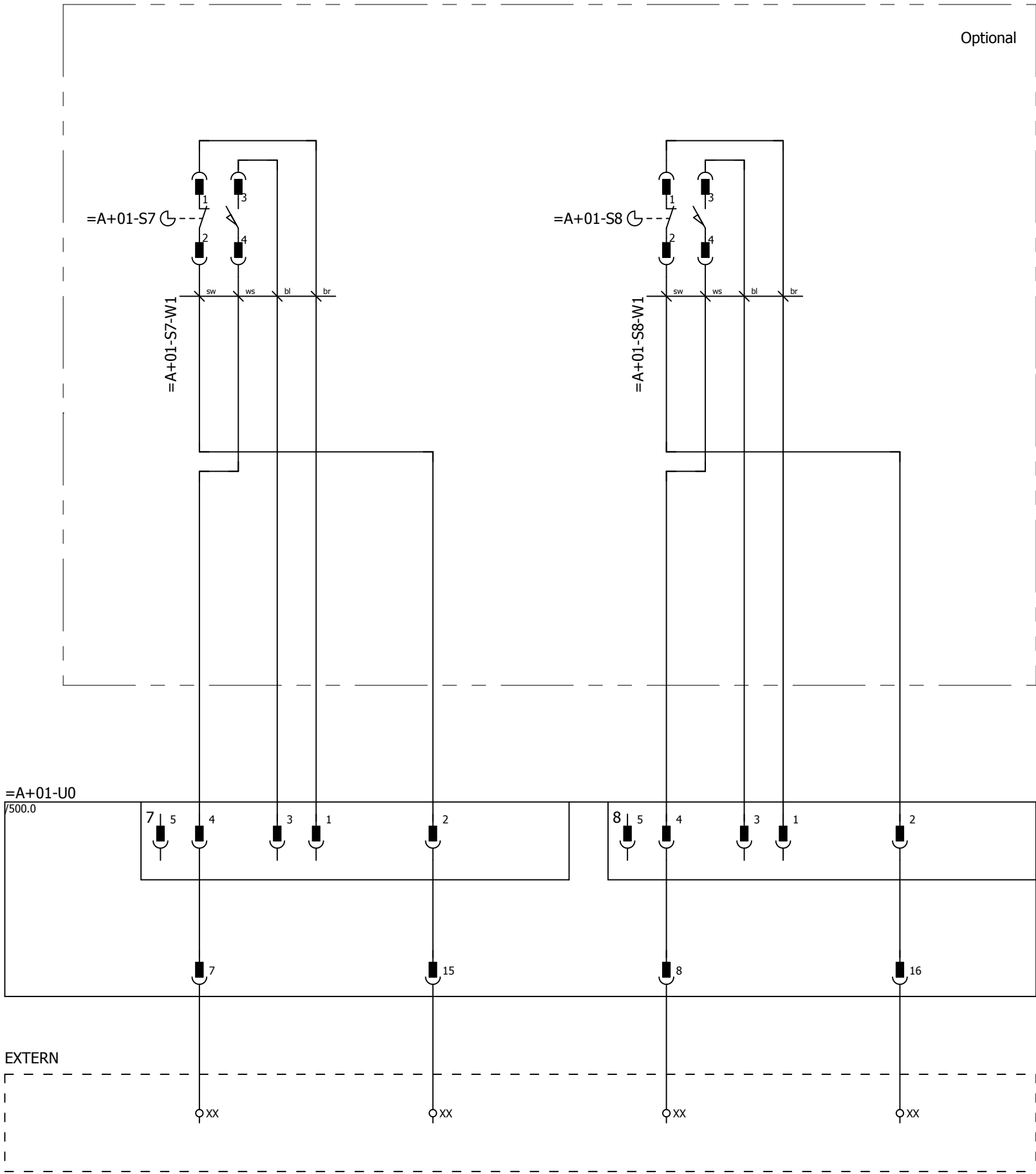
Spare

Top stop position

Spare

Top low speed position

Spare

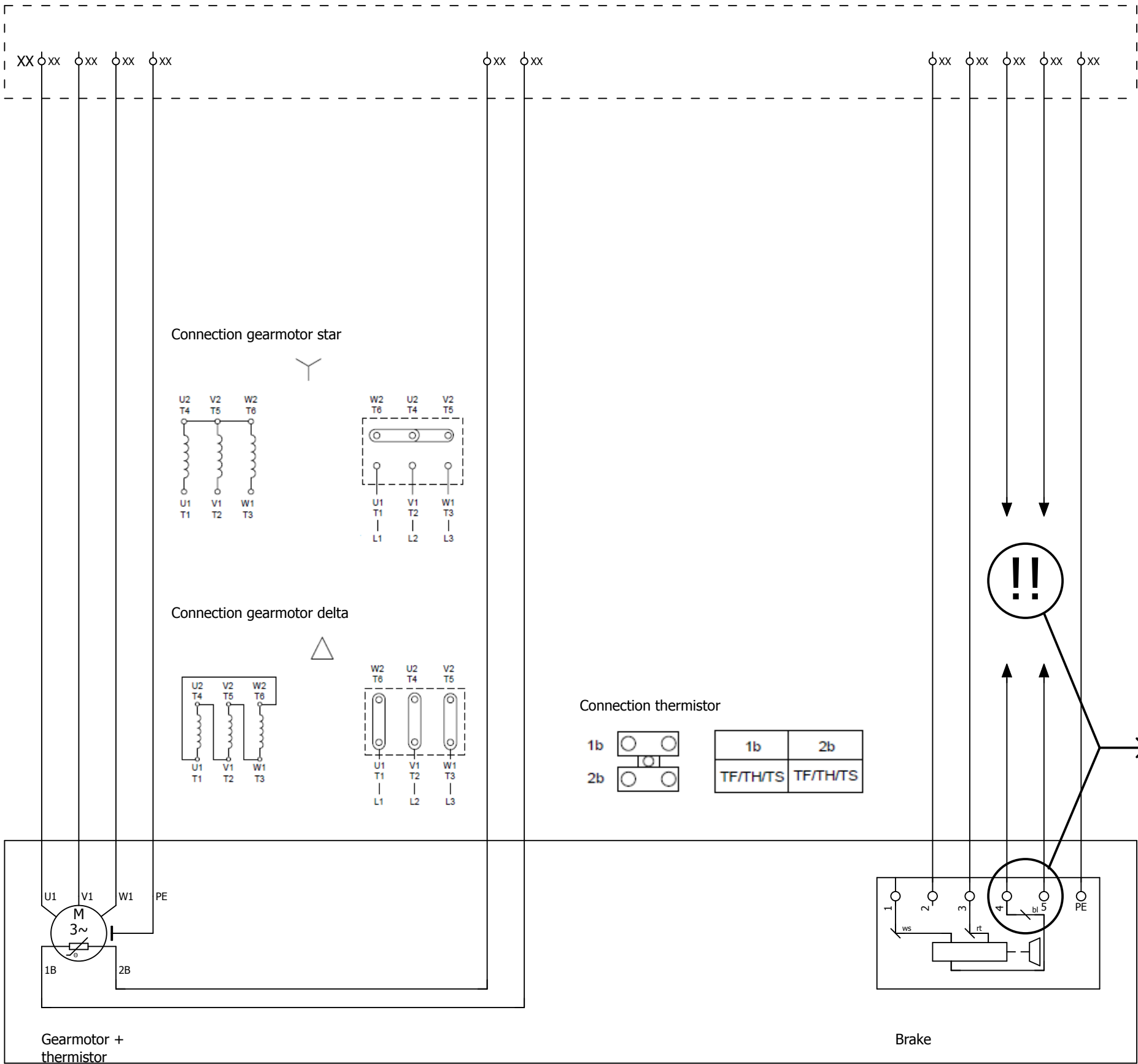


Passive plug-in terminal Prorunner mk1																	Optional
	Bottom limit switch				Bottom limit switch				Top limit switch				Top limit switch				

For technical specifications of gearmotor, applied options, machine configuration and other data see specification sheet.

0 1 2 3 4 5 6 7 8 9

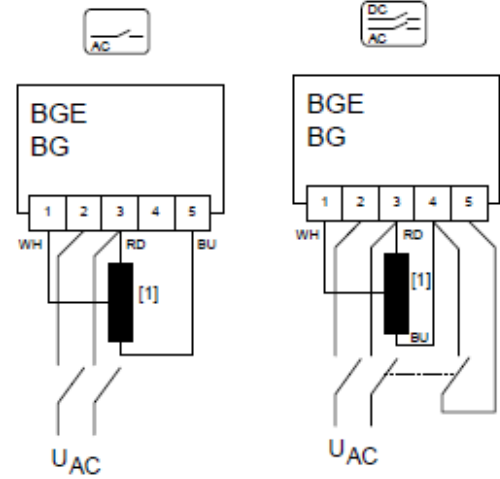
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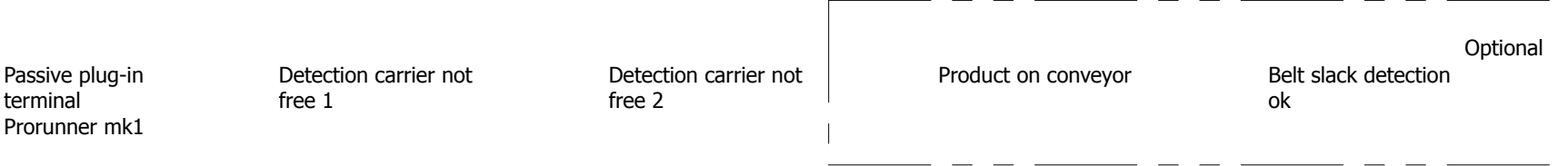
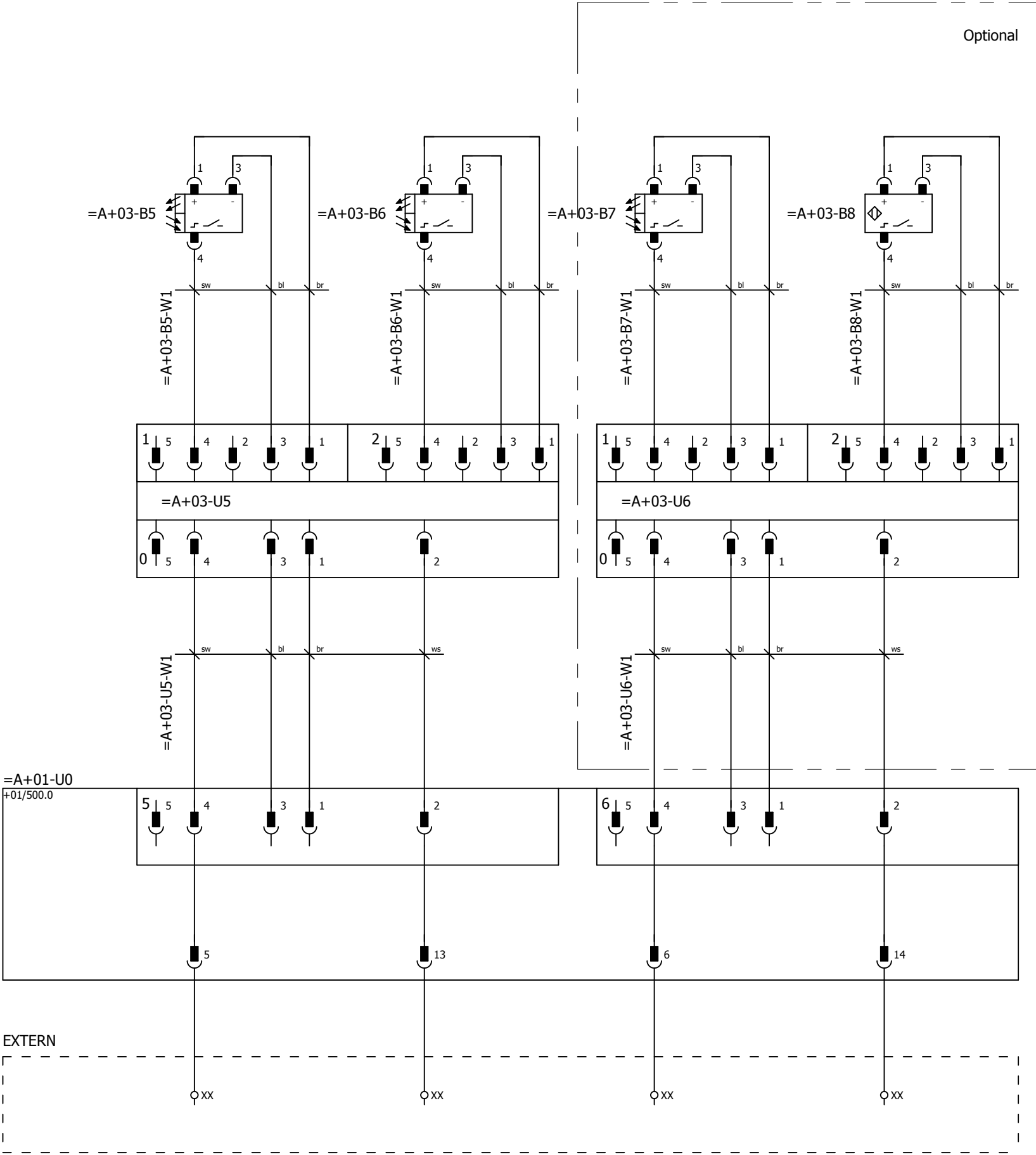
=A+02-M1

Gearmotor
Prorunner mk1

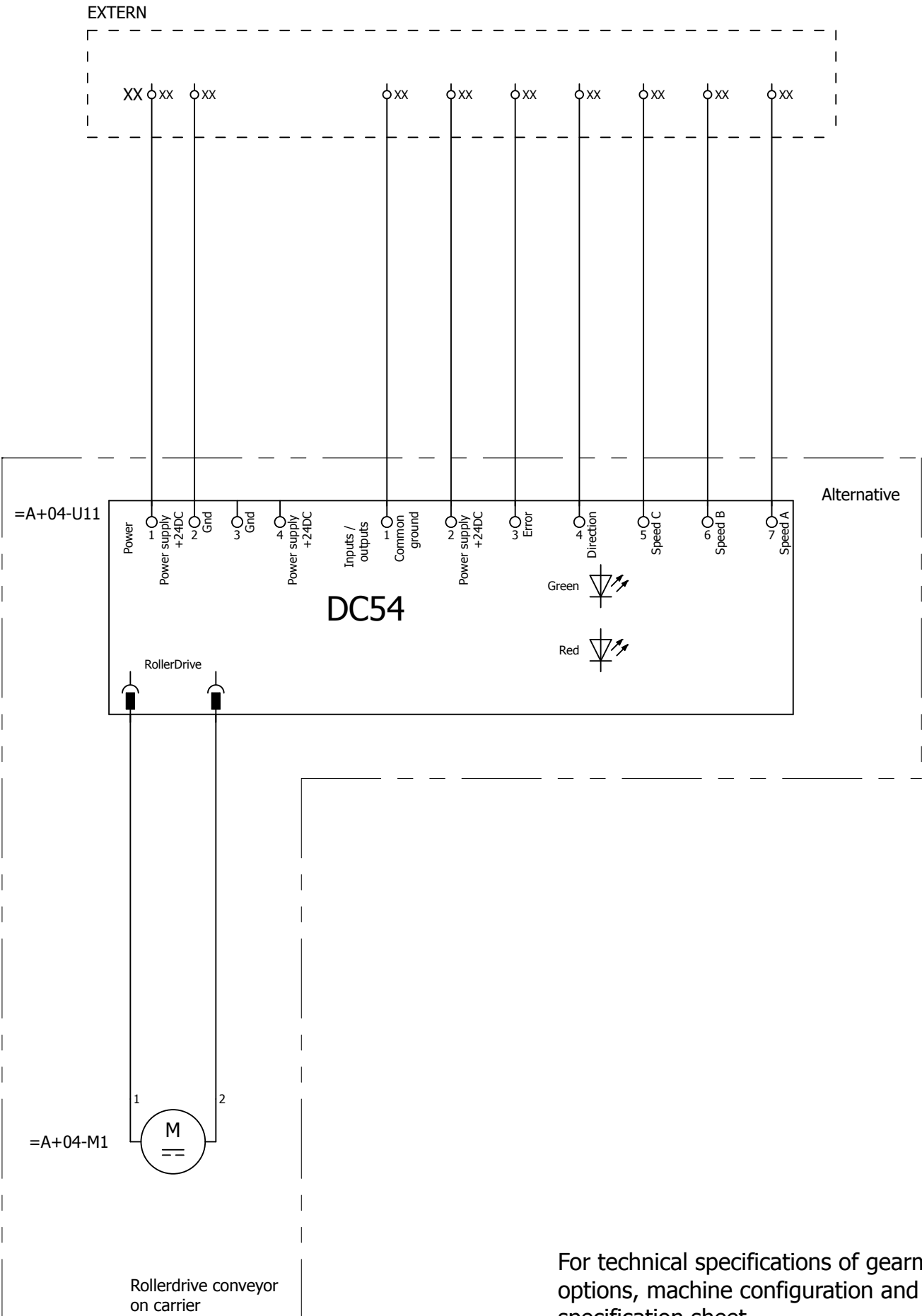
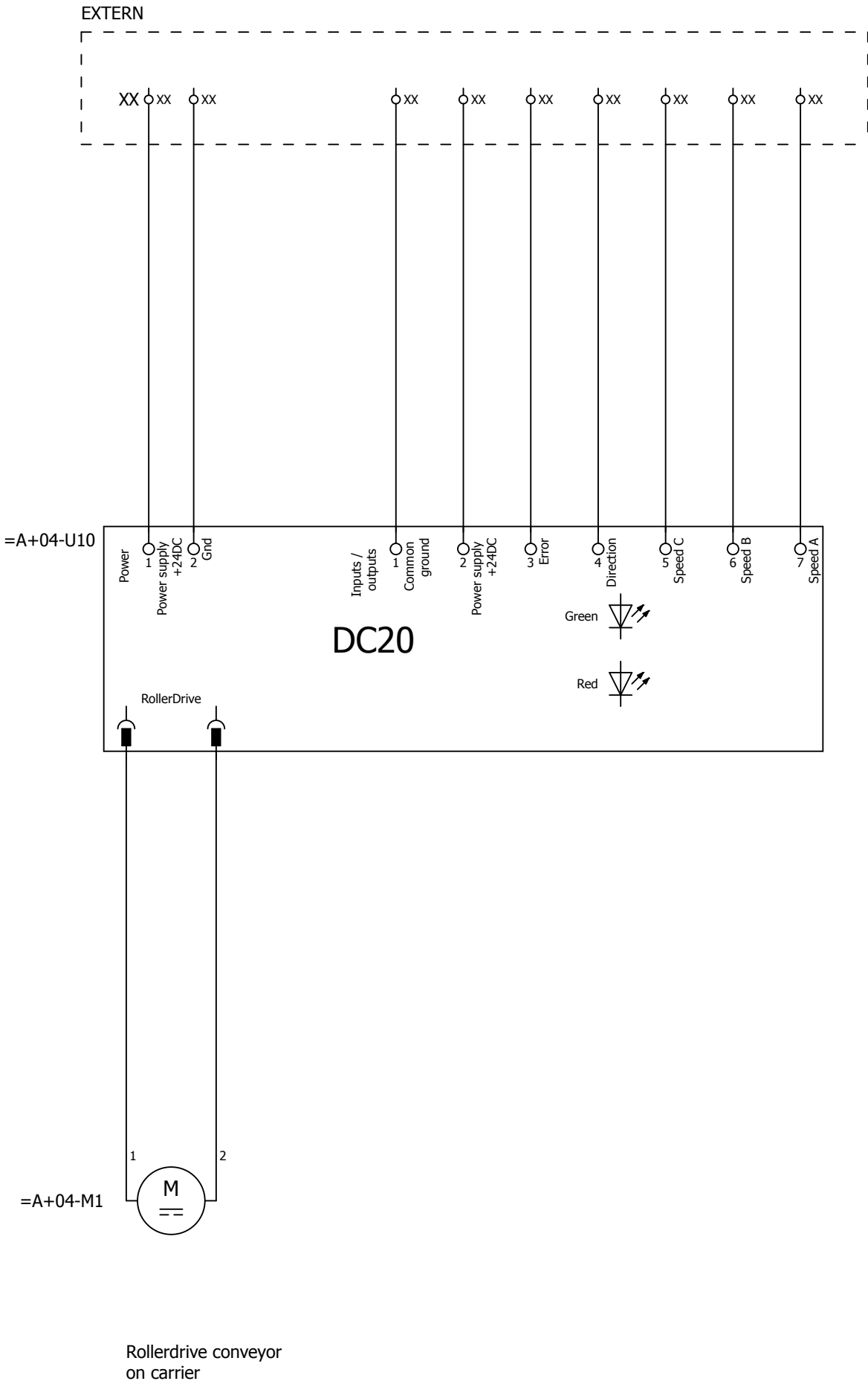
Connection brake



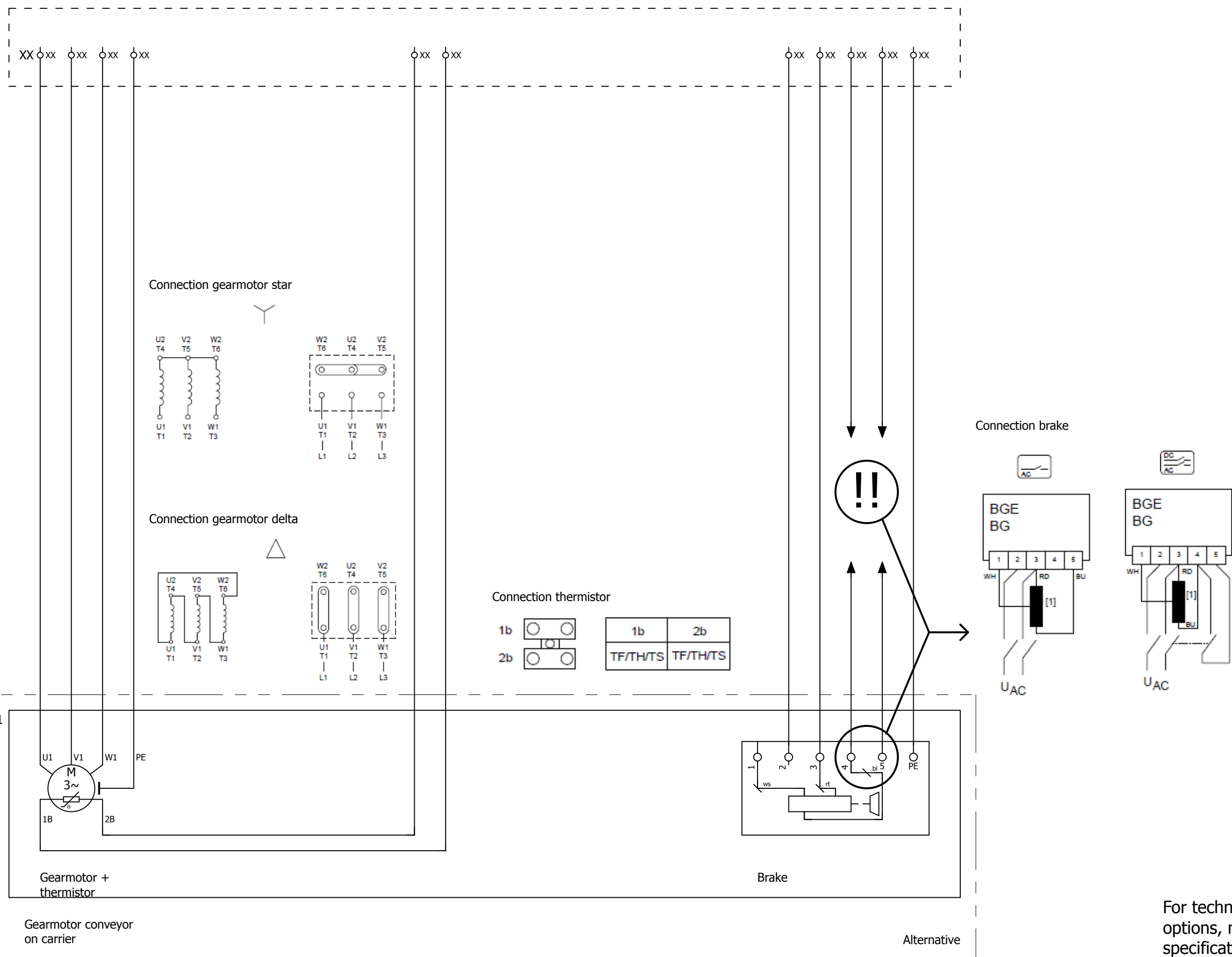
For technical specifications of gearmotor, applied options, machine configuration and other data see specification sheet.



For technical specifications of gearmotor, applied options, machine configuration and other data see specification sheet.



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For technical specifications of gearmotor, applied options, machine configuration and other data see specification sheet.



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Document name: Electrical drawings PRmk1 v2.0
Mounting group: Extra stop positions (Optional)
Type: Standard

Power supply: See specification sheet
Control voltage: 24VDC
According to: NEN-EN-IEC 60204-1: 2006

Version number: v2.0



Description of the project
Prorunner mk1
Standard

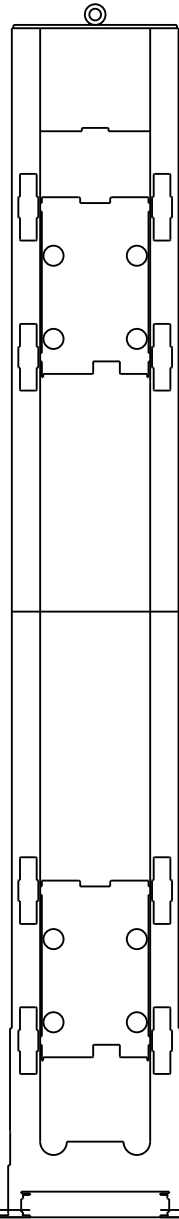
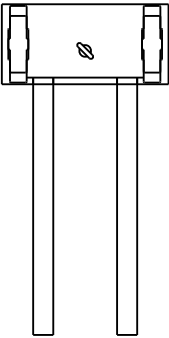
Page description
Title page

Mounting group
Extra stop positions (Optional)
Mounting location

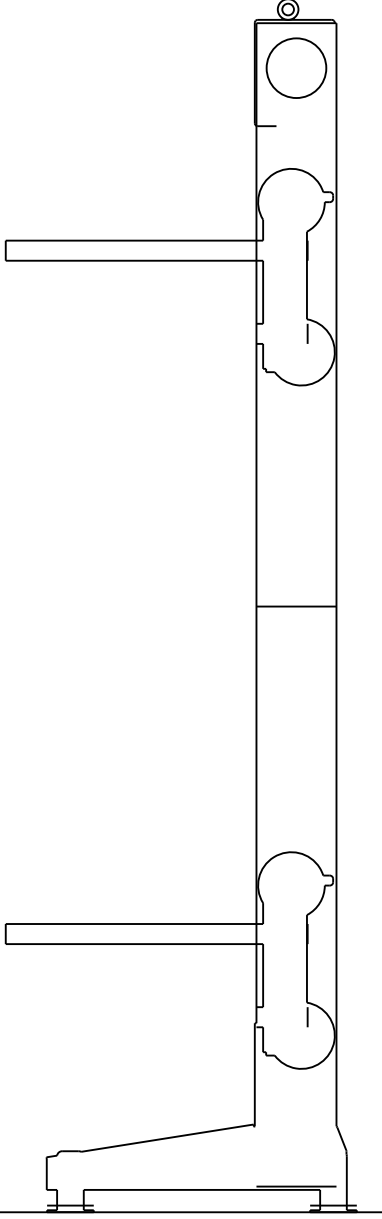
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				20	Overview passive plug-in terminal extra stop positions
				2000	Parts list
		+05	Detection extra stop positions	500	Field components
		+05	Detection extra stop positions	501	Field components



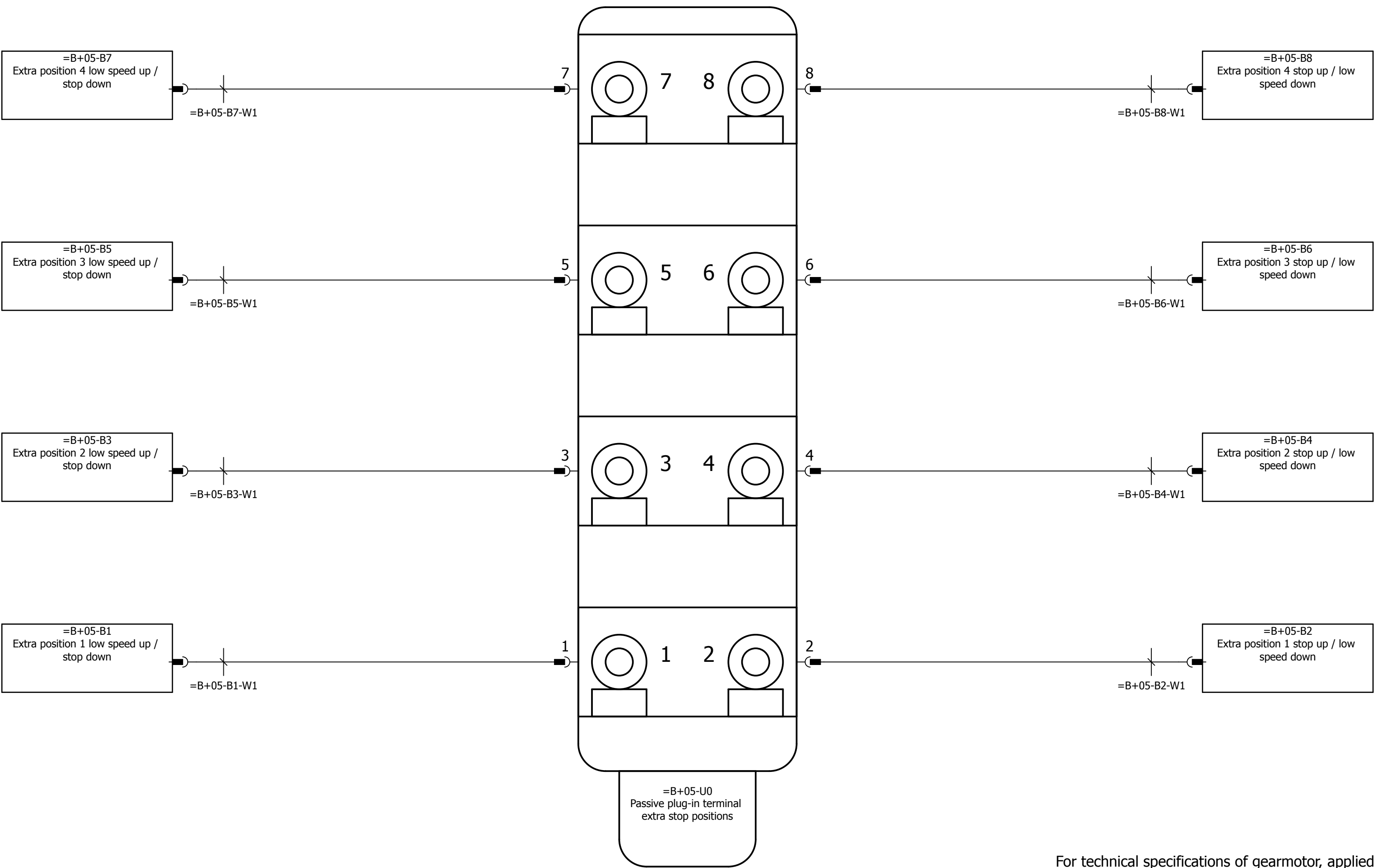
-  =B+05-B8
-  =B+05-B7
-  =B+05-B6
-  =B+05-B5
-  =B+05-U0
-  =B+05-B4
-  =B+05-B3
-  =B+05-B2
-  =B+05-B1



Legend:

- =B+05-B1 Extra position 1 low speed up / stop down
- =B+05-B2 Extra position 1 stop up / low speed down
- =B+05-B3 Extra position 2 low speed up / stop down
- =B+05-B4 Extra position 2 stop up / low speed down
- =B+05-B5 Extra position 3 low speed up / stop down
- =B+05-B6 Extra position 3 stop up / low speed down
- =B+05-B7 Extra position 4 low speed up / stop down
- =B+05-B8 Extra position 4 stop up / low speed down
- =B+05-U0 Passive plug-in terminal extra stop positions

For technical specifications of gearmotor, applied options, machine configuration and other data see specification sheet.



For technical specifications of gearmotor, applied options, machine configuration and other data see specification sheet.

Parts list

Position	Quantity	Article number	Discription	Manufacturer	Type number
+05-B1	1	1000932	Inductive proximity sensor	Sick	IME18-08BPSZC0K
+05-B1-W1	1	1001326	Prefab cable, PVC, 5 meter, connector M12 male 90°+ M12 female 90°, 4-pole	Murrelektronik	PVC-OB 4x0,34mm2
+05-B1-W1	1	1001600	Prefab cable, PVC, 10 meter, connector M12 male 90°+ M12 female 90°, 4-pole	Murrelektronik	PVC-OB 4x0,34mm2
+05-B1-W1	1	1006487	Prefab cable, PVC, 15 meter, connector M12 male 90°+ M12 female 90°, 4-pole	Murrelektronik	PVC-OB 4x0,34mm2
+05-B2	1	1000932	Inductive proximity sensor	Sick	IME18-08BPSZC0K
+05-B2-W1	1	1001326	Prefab cable, PVC, 5 meter, connector M12 male 90°+ M12 female 90°, 4-pole	Murrelektronik	PVC-OB 4x0,34mm2
+05-B2-W1	1	1001600	Prefab cable, PVC, 10 meter, connector M12 male 90°+ M12 female 90°, 4-pole	Murrelektronik	PVC-OB 4x0,34mm2
+05-B2-W1	1	1006487	Prefab cable, PVC, 15 meter, connector M12 male 90°+ M12 female 90°, 4-pole	Murrelektronik	PVC-OB 4x0,34mm2
+05-B3	1	1000932	Inductive proximity sensor	Sick	IME18-08BPSZC0K
+05-B3-W1	1	1001326	Prefab cable, PVC, 5 meter, connector M12 male 90°+ M12 female 90°, 4-pole	Murrelektronik	PVC-OB 4x0,34mm2
+05-B3-W1	1	1001600	Prefab cable, PVC, 10 meter, connector M12 male 90°+ M12 female 90°, 4-pole	Murrelektronik	PVC-OB 4x0,34mm2
+05-B3-W1	1	1006487	Prefab cable, PVC, 15 meter, connector M12 male 90°+ M12 female 90°, 4-pole	Murrelektronik	PVC-OB 4x0,34mm2
+05-B4	1	1000932	Inductive proximity sensor	Sick	IME18-08BPSZC0K
+05-B4-W1	1	1001326	Prefab cable, PVC, 5 meter, connector M12 male 90°+ M12 female 90°, 4-pole	Murrelektronik	PVC-OB 4x0,34mm2
+05-B4-W1	1	1001600	Prefab cable, PVC, 10 meter, connector M12 male 90°+ M12 female 90°, 4-pole	Murrelektronik	PVC-OB 4x0,34mm2
+05-B4-W1	1	1006487	Prefab cable, PVC, 15 meter, connector M12 male 90°+ M12 female 90°, 4-pole	Murrelektronik	PVC-OB 4x0,34mm2
+05-B5	1	1000932	Inductive proximity sensor	Sick	IME18-08BPSZC0K
+05-B5-W1	1	1001326	Prefab cable, PVC, 5 meter, connector M12 male 90°+ M12 female 90°, 4-pole	Murrelektronik	PVC-OB 4x0,34mm2
+05-B5-W1	1	1001600	Prefab cable, PVC, 10 meter, connector M12 male 90°+ M12 female 90°, 4-pole	Murrelektronik	PVC-OB 4x0,34mm2
+05-B5-W1	1	1006487	Prefab cable, PVC, 15 meter, connector M12 male 90°+ M12 female 90°, 4-pole	Murrelektronik	PVC-OB 4x0,34mm2
+05-B6	1	1000932	Inductive proximity sensor	Sick	IME18-08BPSZC0K
+05-B6-W1	1	1001326	Prefab cable, PVC, 5 meter, connector M12 male 90°+ M12 female 90°, 4-pole	Murrelektronik	PVC-OB 4x0,34mm2
+05-B6-W1	1	1001600	Prefab cable, PVC, 10 meter, connector M12 male 90°+ M12 female 90°, 4-pole	Murrelektronik	PVC-OB 4x0,34mm2
+05-B6-W1	1	1006487	Prefab cable, PVC, 15 meter, connector M12 male 90°+ M12 female 90°, 4-pole	Murrelektronik	PVC-OB 4x0,34mm2
+05-B7	1	1000932	Inductive proximity sensor	Sick	IME18-08BPSZC0K
+05-B7-W1	1	1001326	Prefab cable, PVC, 5 meter, connector M12 male 90°+ M12 female 90°, 4-pole	Murrelektronik	PVC-OB 4x0,34mm2
+05-B7-W1	1	1001600	Prefab cable, PVC, 10 meter, connector M12 male 90°+ M12 female 90°, 4-pole	Murrelektronik	PVC-OB 4x0,34mm2
+05-B7-W1	1	1006487	Prefab cable, PVC, 15 meter, connector M12 male 90°+ M12 female 90°, 4-pole	Murrelektronik	PVC-OB 4x0,34mm2
+05-B8	1	1000932	Inductive proximity sensor	Sick	IME18-08BPSZC0K
+05-B8-W1	1	1001326	Prefab cable, PVC, 5 meter, connector M12 male 90°+ M12 female 90°, 4-pole	Murrelektronik	PVC-OB 4x0,34mm2
+05-B8-W1	1	1001600	Prefab cable, PVC, 10 meter, connector M12 male 90°+ M12 female 90°, 4-pole	Murrelektronik	PVC-OB 4x0,34mm2
+05-B8-W1	1	1006487	Prefab cable, PVC, 15 meter, connector M12 male 90°+ M12 female 90°, 4-pole	Murrelektronik	PVC-OB 4x0,34mm2
+05-U0	1	1003309	Passive plug-in terminal, 8-fold, 5-pole, M12	Murrelektronik	Exact12 8xM12 5-p

