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PRODUCT MACROS FOR EPLAN 5. xx

Series: SD 328

Version: 1.6

Status: 06/2006

Number of pages:

66

Date	08.05.06
User.	CBA
Check.	19.06.06

BERGER LAHR

COVER PAGE

=DOC
+

Changes	Date	Name	Norm
			MACROS SD328

Sheet 0001 Page 1 of 6

0	1	2	3	4	5	6	7	8	9
TABLE OF CONTENTS / MACRO DIRECTORY									
SHEET	PLANT	LOCATION	PAGE	DESIGNATION	TYPE/PART NO.	MACRO	EDIT.		
0001	DOC		1	COVER PAGE			CBA		
0002	DOC		2	TABLE OF CONTENTS / MACRO DIRECTORY			CBA		
0003	DOC		3	TABLE OF CONTENTS / MACRO DIRECTORY			CBA		
0004	DOC		4	TABLE OF CONTENTS / MACRO DIRECTORY			CBA		
0005	DOC		5	DESCRIPTION			CBA		
0006	DOC		6	DESCRIPTION			CBA		
0007	SD328	115/230V	1	WIRING EXAMPLE	1~115/230V	1~115/230V_1	CBA		
0008	SD328	115/230V	2	WIRING EXAMPLE	1~115/230V	1~115/230V_2	CBA		
0009	SD328A	U25S2	1	Stepping motor amplifier 115/230V/AC 2,5A	SD328AU25S2	SD328AU25S2_1	CBA		
0010	SD328A	U25S2	2	Stepping motor amplifier 115/230V/AC 2,5A	SD328AU25S2	SD328AU25S2_2	CBA		
0011	SD328A	U25S2	3	Stepping motor amplifier 115/230V/AC 2,5A	SD328AU25S2	SD328AU25S2	CBA		
0012	SD328A	U68S2	1	Stepping motor amplifier 115/230VAC; 6,8A	SD328AU68S2	SD328AU68S2_1	CBA		
0013	SD328A	U68S2	2	Stepping motor amplifier 115/230VAC; 6,8A	SD328AU68S2	SD328AU68S2_2	CBA		
0014	SD328A	U68S2	3	Stepping motor amplifier 115/230VAC; 6,8A	SD328AU68S2	SD328AU68S2	CBA		
0015	SD328B	U25S2	1	Stepping motor amplifier 115/230V/AC 2,5A	SD328BU25S2	SD328BU25S2_1	CBA		
0016	SD328B	U25S2	2	Stepping motor amplifier 115/230V/AC 2,5A	SD328BU25S2	SD328BU25S2_2	CBA		
0017	SD328B	U25S2	3	Stepping motor amplifier 115/230V/AC 2,5A	SD328BU25S2	SD328BU25S2	CBA		
0018	SD328B	U68S2	1	Stepping motor amplifier 115/230V/AC 6,8A	SD328BU68S2	SD328BU68S2_1	CBA		
0019	SD328B	U68S2	2	Stepping motor amplifier 115/230V/AC 6,8A	SD328BU68S2	SD328BU68S2_2	CBA		
0020	SD328B	U68S2	3	Stepping motor amplifier 115/230V/AC 6,8A	SD328BU68S2	SD328BU68S2	CBA		
0021	VW3A	31401	1	EMC line filter footprint 1~ 115/230VAC, 9A	VW3A31401	VW3A31401	CBA		
0022	VW3M	3101	1	Adapter for distribution of A/B encoder sign. and P/D sign.	VW3M3101	VW3M3101_1	CBA		
0023	VW3M	3101	2	Adapter for distribution of A/B encoder sign. and P/D sign.	VW3M3101	VW3M3101_2	CBA		
0024	VW3M	3101	3	Adapter for distribution of A/B encoder sign. and P/D sign.	VW3M3101	VW3M3101_3	CBA		
0025	VW3M	3101	4	Adapter for distribution of A/B encoder sign. and P/D sign.	VW3M3101	VW3M3101_4	CBA		
0026	VW3M	3101	5	Adapter for distribution of A/B encoder sign. and P/D sign.	VW3M3101	VW3M3101_5	CBA		
0027	VW3M	3101	6	Adapter for distribution of A/B encoder sign. and P/D sign.	VW3M3101	VW3M3101_6	CBA		
0028	VW3M	3101	7	Adapter for distribution of A/B encoder sign. and P/D sign.	VW3M3101	VW3M3101_7	CBA		
0029	VW3M	3101	8	Adapter for distribution of A/B encoder sign. and P/D sign.	VW3M3101	VW3M3101_8	CBA		
0030	VW3M	3101	9	Adapter for distribution of A/B encoder sign. and P/D sign.	VW3M3101	VW3M3101_9	CBA		
0031	VW3M	3102	1	Adapter for distribution USIC Universal Signal Interf. Conv.	VW3M3102	VW3M3102_1	CBA		
0032	VW3M	3102	2	Adapter for distribution USIC Universal Signal Interf. Conv.	VW3M3102	VW3M3102_2	CBA		

TABLE OF CONTENTS / MACRO DIRECTORY

SHEET	PLANT	LOCATION	PAGE	DESIGNATION	TYPE/PART NO.	MACRO	EDIT.
0033	VW3M	3102	3	Adapter for distribution USIC Universal Signal Interf. Conv.	VW3M3102	VW3M3102_3	CBA
0034	VW3M	8201R05	1	pulse/direction, ESIM and A/B 0,5 meters	VW3M8201R05	VW3M8201R05_1, _2	CBA
0035	VW3M	8201R15	1	pulse/direction, ESIM and A/B 1,5 meters	VW3M8201R15	VW3M8201R15_1, _2	CBA
0036	VW3M	8201R30	1	pulse/direction, ESIM and A/B 3,0 meters	VW3M8201R30	VW3M8201R30_1, _2	CBA
0037	VW3M	8201R50	1	pulse/direction, ESIM and A/B 5,0 meters	VW3M8201R50	VW3M8201R50_1, _2	CBA
0038	VW3M	8204R05	1	ESIM, pulse/direction A/B on premium CFY 0,5 meters	VW3M8204R05	VW3M8204R05_1, _2	CBA
0039	VW3M	8204R15	1	ESIM, pulse/direction A/B on premium CFY 1,5 meters	VW3M8204R15	VW3M8204R15_1, _2	CBA
0040	VW3M	8204R30	1	ESIM, pulse/direction A/B on premium CFY 3,0 meters	VW3M8204R30	VW3M8204R30_1, _2	CBA
0041	VW3M	8204R50	1	ESIM, pulse/direction A/B on premium CFY 5,0 meters	VW3M8204R50	VW3M8204R50_1, _2	CBA
0042	VW3M	8205R30	1	ESIM, pulse/direction A/B on S5IP247 3,0 meters	VW3M8205R30	VW3M8205R30_1, _2	CBA
0043	VW3M	8206R30	1	ESIM, pulse/direction A/B on S5IP267 3,0 meters	VW3M8206R30	VW3M8206R30_1, _2	CBA
0044	VW3M	8207R30	1	ESIM, pulse/direction A/B on S7FM353 3,0 meters	VW3M8207R30	VW3M8207R30_1, _2	CBA
0045	VW3M	8209R05	1	ESIM, pulse/direction A/B on RVA, USIC or WPM311 0,5 meters	VW3M8209R05	VW3M8209R05_1, _2	CBA
0046	VW3M	8209R15	1	ESIM, pulse/direction A/B on RVA, USIC or WPM311 1,5 meters	VW3M8209R15	VW3M8209R15_1, _2	CBA
0047	VW3M	8209R30	1	ESIM, pulse/direction A/B on RVA, USIC or WPM311 3,0 meters	VW3M8209R30	VW3M8209R30_1, _2	CBA
0048	VW3M	8209R50	1	ESIM, pulse/direction A/B on RVA, USIC or WPM311 5,0 meters	VW3M8209R50	VW3M8209R50_1, _2	CBA
0049	VW3M	8211R05	1	Cascader cable for RVA 0,5 meters	VW3M8211R05	VW3M8211R05_1, _2	CBA
0050	VW3S	3101	1	Fan Set	VW3S3101	VW3S3101	CBA
0051	VW3S	3101	2	Fan Set	VW3S3101	VW3S3101	CBA
0052	VW3S	5101R30	1	Motor cable 3m	VW3S5101R30	VW3S5101R30	CBA
0053	VW3S	5101R50	1	Motor cable 5m	VW3S5101R50	VW3S5101R50	CBA
0054	VW3S	5101R100	1	Motor cable 10m	VW3S5101R100	VW3S5101R100	CBA
0055	VW3S	5101R150	1	Motor cable 15m	VW3S5101R150	VW3S5101R150	CBA
0056	VW3S	5101R200	1	Motor cable 20m	VW3S5101R200	VW3S5101R200	CBA
0057	VW3S	5102R30	1	Motor cable 3m	VW3S5102R30	VW3S5102R30	CBA
0058	VW3S	5102R50	1	Motor cable 5m	VW3S5102R50	VW3S5102R50	CBA
0059	VW3S	5102R100	1	Motor cable 10m	VW3S5102R100	VW3S5102R100	CBA
0060	VW3S	5102R150	1	Motor cable 15m	VW3S5102R150	VW3S5102R150	CBA
0061	VW3S	5102R200	1	Motor cable 20m	VW3S5102R200	VW3S5102R200	CBA
0062	VW3S	8101R30	1	Encoder cable 3m	VW3S8101R30	VW3S8101R30_1, _2	CBA
0063	VW3S	8101R50	1	Encoder cable 5m	VW3S8101R50	VW3S8101R50_1, _2	CBA
0064	VW3S	8101R100	1	Encoder cable 10m	VW3S8101R100	VW3S8101R100_1, _2	CBA

0	1	2	3	4	5	6	7	8	9
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TABLE OF CONTENTS / MACRO DIRECTORY

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			Date	08. 05. 06	BERGER LAHR	TABLE OF CONTENTS / MACRO DIRECTORY Type/Part No: Macro:			= DOC +	
			User.	CBA						
			Check.	19. 06. 06						
Changes	Date	Name	Norm		MACROS SD328			Sheet 0004	Page	4 of 6

LEGAL INFORMATION AND LIABILITY EXCLUSIONS

All details developed for this project are protected by copyright and are the intellectual property of the company.

Berger Lahr GmbH & Co.KG
Breslauer Straße 7
D-77933 Lahr

All information is provided with the best of intentions and to the best of our knowledge and belief.

We accept no liability for correctness or completeness of information.

We provide no guarantee for the use of product macros in the Eplan CAE System.

GENERAL INFORMATION

This product was created for EPLAN from version 5.60. The functions contained in the macros are not available or only restrictedly available for EPLAN versions previous to 5.60!

INFORMATION TO CHANGE THE LANGUAGE

- 1. Parameter->Project->Foreign languages->expenditure sequence: D = german or E = english
- 2. Parameter->Project->clamps/cable->clamps/cable 2->name that cable type file SD328_DE = german / SD328_EN = english
- 3. Main menue->article->administration->Parameter->Currency Language identification->Article language identification: D = german / E = english

PRODUCT STRUCTURE

This project is a macro project and contains EPLAN product macros belonging to Berger Lahr GmbH & Co.KG.

All EPLAN directories have been set to ...\\EPLAN4\\x\\BERGER_LAHR\\.

DATA/FILES

Project:
...\\EPLAN4\\P\\BERGER_LAHR\\SD328.P - Macro project + associated data

Standard files:
...\\EPLAN4\\N\\BERGER_LAHR\\
...\\EPLAN4\\N\\BERGER_LAHR\\SD328_EN.KLB - Cable type file

Macros:
...\\EPLAN4\\M\\BERGER_LAHR\\SD328\\ - Macros series SD 328

Article:
...\\EPLAN4\\L\\BERGER_LAHR\\SD328\\
...\\EPLAN4\\L\\BERGER_LAHR\\SD328\\SD328_EN.XLS - MS-EXCEL article data
...\\EPLAN4\\L\\BERGER_LAHR\\SD328\\SD328_EN.ASC - Eplan article import file english

INSTALLATION

All data (project, macros, article data, standardised data) can be read in using the EPLAN data backup / restore functions.

Article data can be imported to individual master article data: EPLAN article management / data exchange / import / EPLAN-ASCII format

			Date	08.05.06	<div>BERGER LAHR</div>	DESCRIPTION			= DOC +	
			User.	CBA						
			Check.	19.06.06						
Changes	Date	Name	Norm		MACROS SD328			Sheet 0005	Page	5 of 6

MACROS

Macro construction

- The product macros have been created so that they are
- usable for all Eplan project types in addition to almost all Eplan parameter settings
 - so that they are easily visually recognisable by the user, whereby the main focus is on the technical construction.

Macro functionalities

- The product macros have been logically tested,
- they can be embedded in existing projects without causing logical errors (EPLAN-evaluation sequences).
 - they are logically interlinked with one another and can be easily connected using the EPLAN "autoconnecting" function.
 - they are cross-referenced with one another since some componentry is shown distributed over several pages.

ARTICLE MASTER DATA

Master article data has been created for all devices and componentry. They are applicable to the in-system EPLAN article management and can be integrated into existing master article data.

This enables acceptance of the data in article management systems outside EPLAN (PPS). In addition, article data types can be adapted very easily to the existing data.

Since the dimensions of devices and componentry are stored in the master article data, the EPLAN "mounting plate fittings" module can be used for macros.

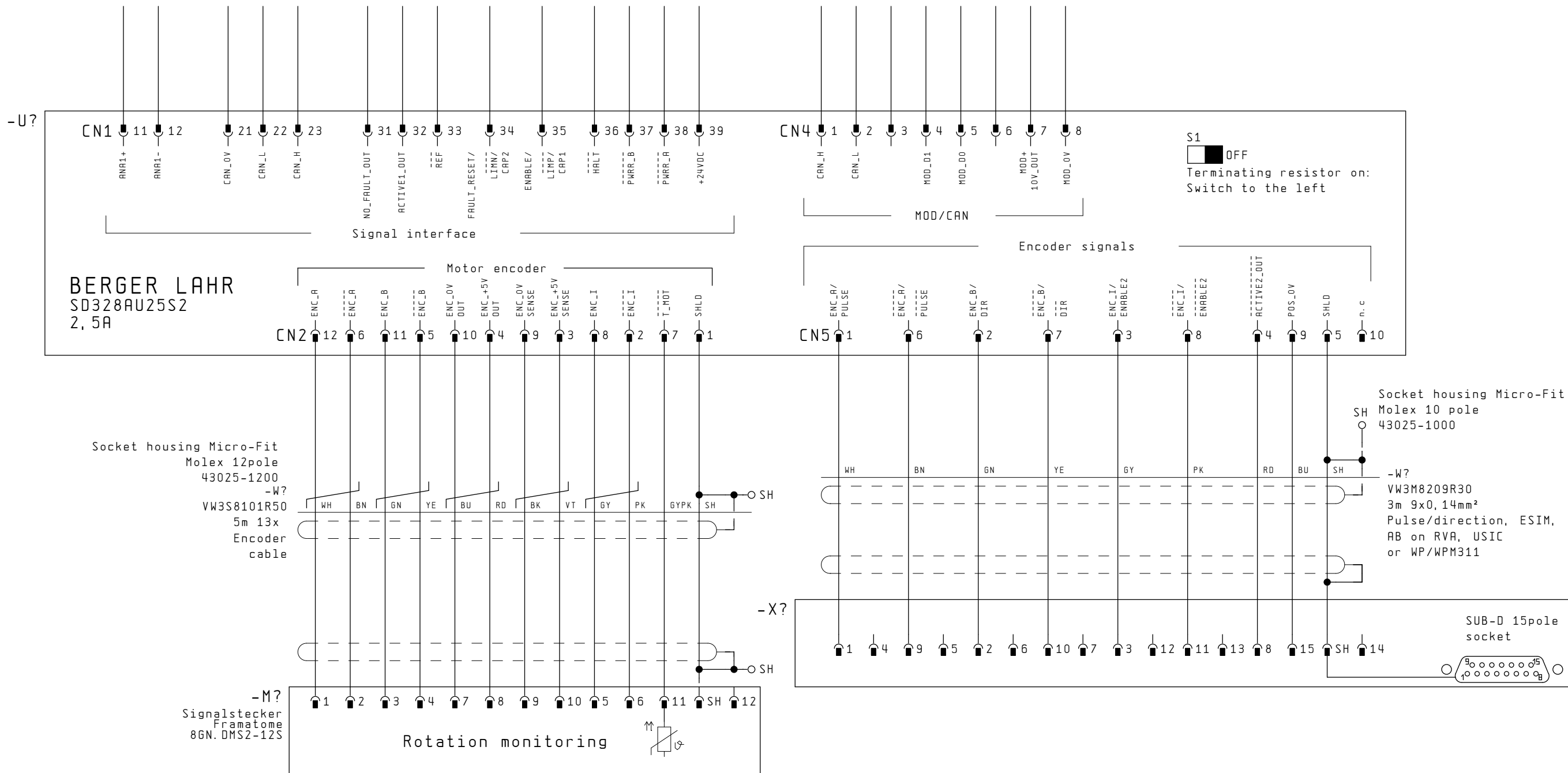
The article number is located next to every device or component.

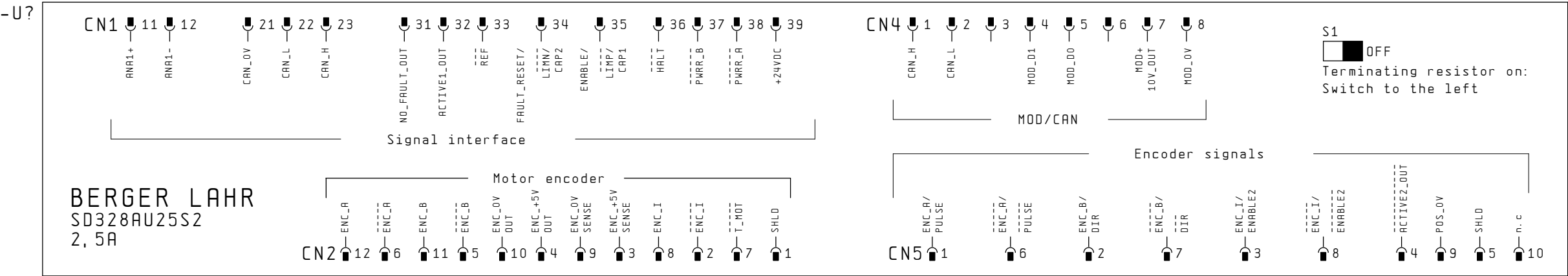
Control cabinet macros

The switchgear cabinet macros can be generated by the measures deposited in the item stock automatically.

			Date	08. 05. 06	BERGER LAHR	DESCRIPTION			= DOC +
			User.	CBA					
			Check.	19. 06. 06					
Changes	Date	Name	Norm		MACROS SD328			Sheet 0006	Page 6 of 6

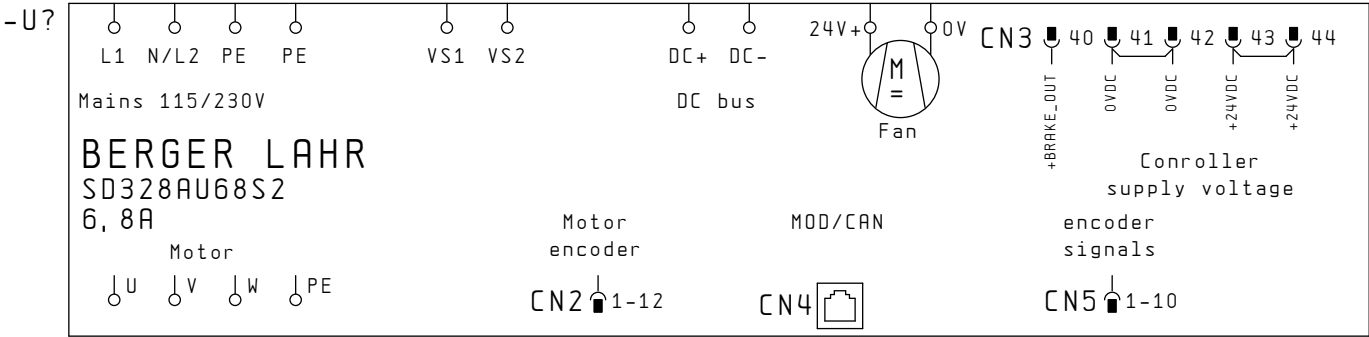


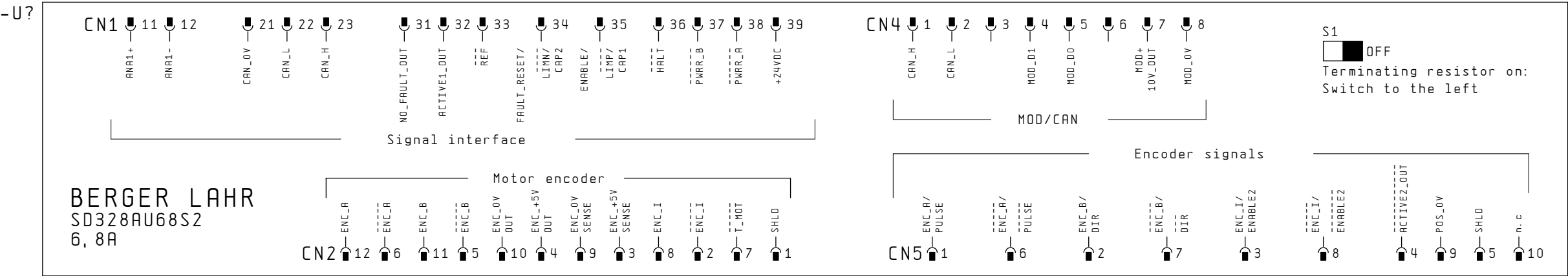




0	1	2	3	4	5	6	7	8	9
<div><div>72.0</div><div><div><div></div><div></div><div></div><div></div><div></div></div><div>121.5</div></div></div>									

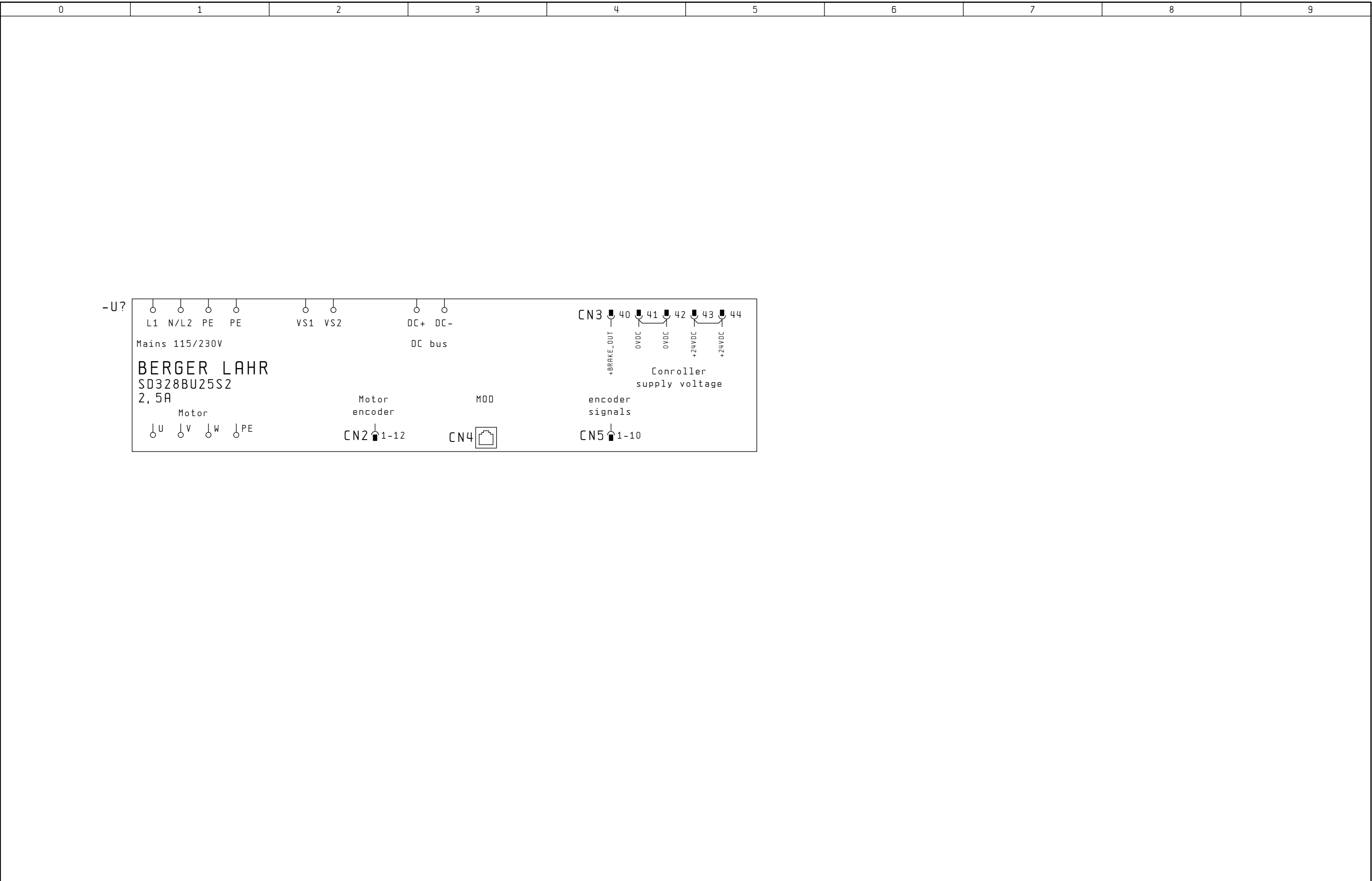
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			User.	CBA					
			Check.	19.06.06					
Changes	Date	Name	Norm		MACROS SD328			Sheet 0011	Page 3 of 3

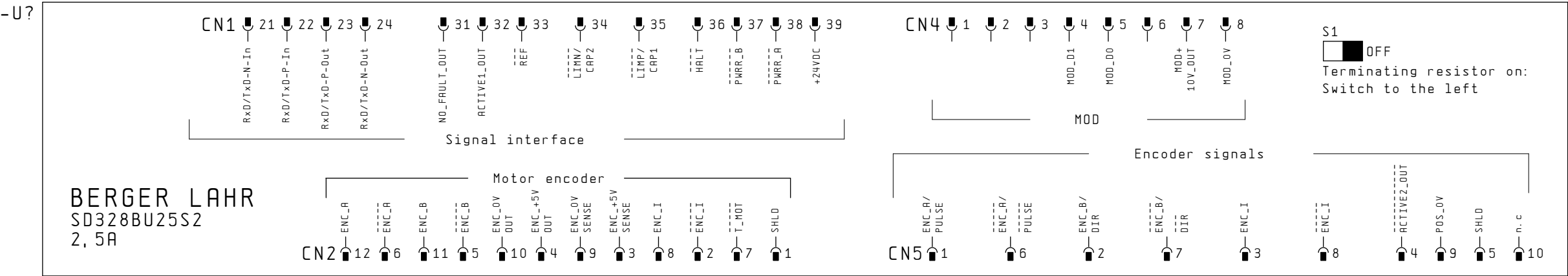




0	1	2	3	4	5	6	7	8	9
<div><div>72.0</div><div><div><div></div><div></div><div></div><div></div><div></div></div><div>121.5</div></div></div>									

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			User.	CBA					
			Check.	19.06.06					
Changes	Date	Name	Norm		MACROS SD328			Sheet 0014	Page 3 of 3





CN4

1

2

3

4

5

6

7

8

MOD_01

MOD_00

MOD_+10V_OUT

MOD_0V

MOD

CN5

1

6

2

7

3

8

4

9

5

10

ENC_A/PULSE

ENC_A/PULSE

ENC_B/DIR

ENC_B/DIR

ENC_I

ENC_I

ACTIVE2_OUT

POS_0V

SHLD

n.c

Encoder signals

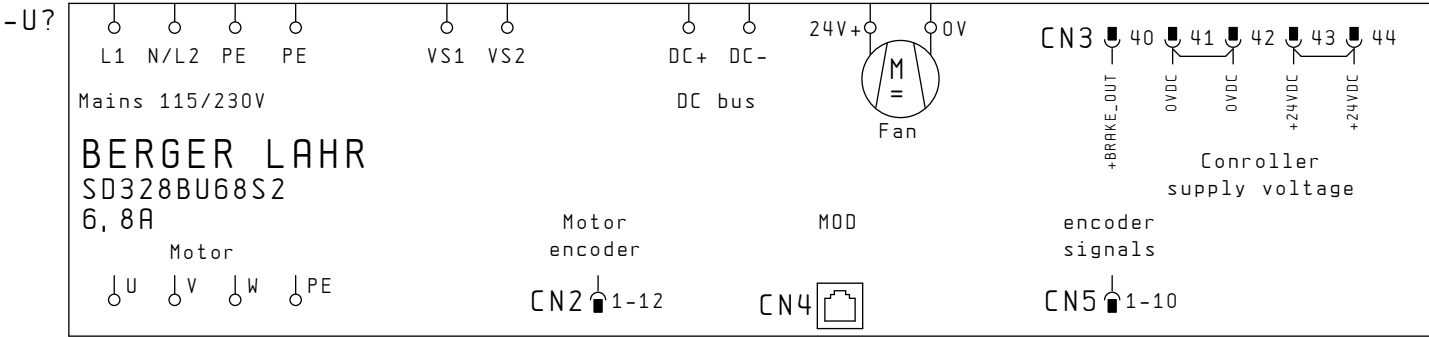
S1

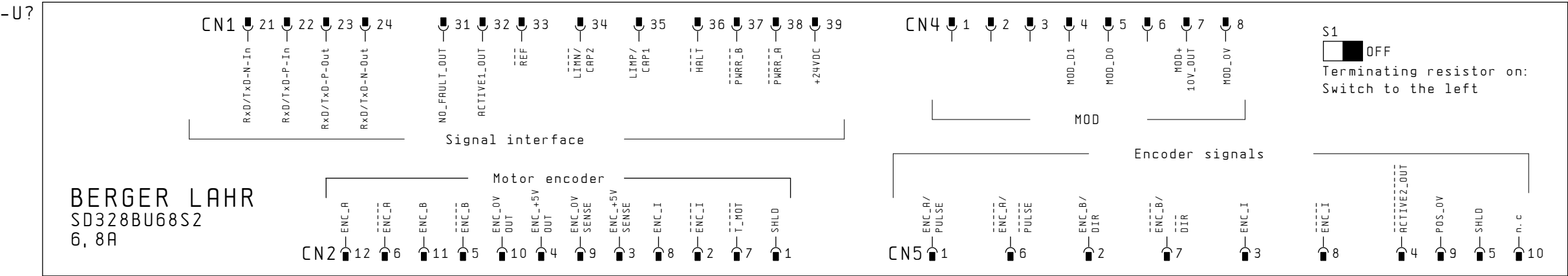
OFF

Terminating resistor on:
Switch to the left

0	1	2	3	4	5	6	7	8	9
<div><div>72.0</div><div><div><div></div><div></div><div></div><div></div><div></div></div><div>121.5</div></div></div>									

			Date	08.05.06	<div>BERGER LAHR</div>	Stepping motor amplifier 115/230V/AC 2,5A	Type/Part No: SD328BU25S2 Macro: SD328BU25S2	=SD328B +U25S2	
			User.	CBA					
			Check.	19.06.06					
Changes	Date	Name	Norm		MACROS SD328			Sheet 0017	Page 3 of 3





CN4

1

2

3

4

5

6

7

8

MOD_01

MOD_00

MOD_+10V_OUT

MOD_0V

MOD

CN5

1

6

2

7

3

8

4

9

5

10

ENC_A/PULSE

ENC_A/PULSE

ENC_B/DIR

ENC_B/DIR

ENC_I

ENC_I

ACTIVE2_OUT

POS_0V

SHLD

n.c

Encoder signals

S1

OFF

Terminating resistor on:
Switch to the left

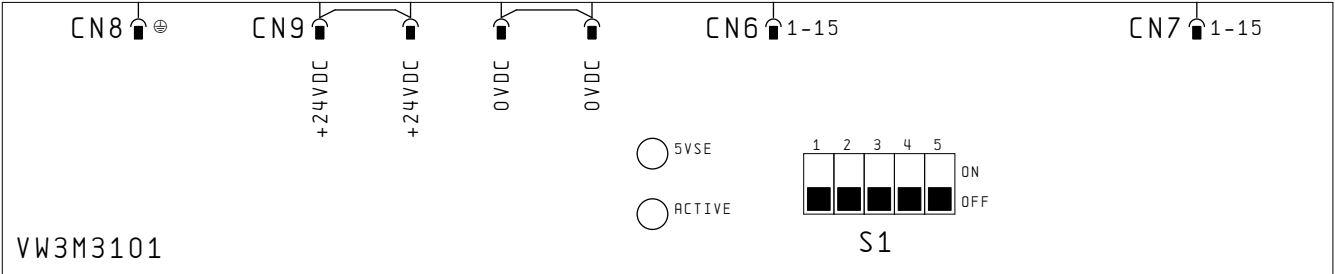
0	1	2	3	4	5	6	7	8	9
<div><div>72.0</div><div><div><div></div><div></div><div></div><div></div><div></div></div><div>121.5</div></div></div>									

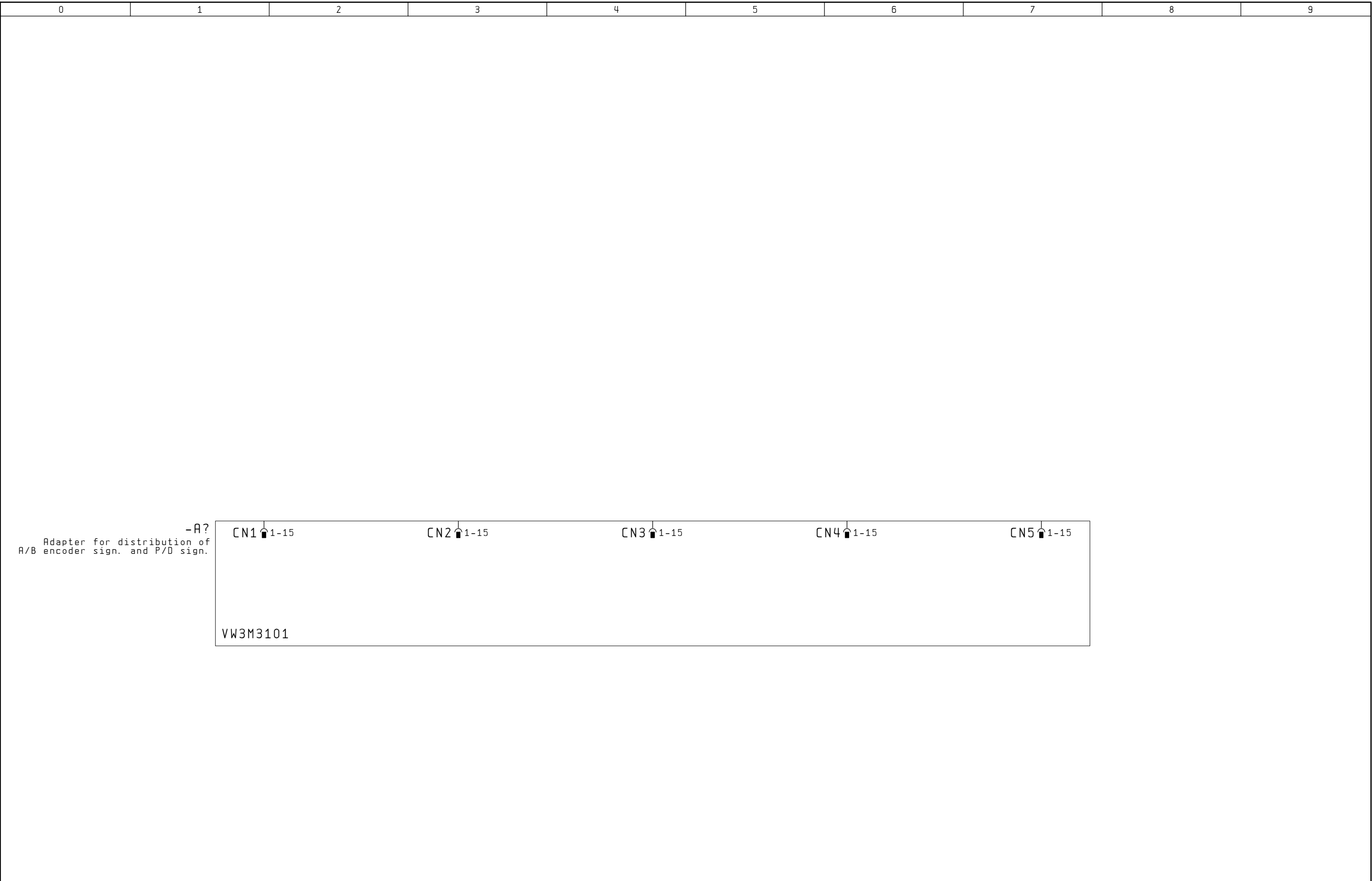
			Date	08.05.06	BERGER LAHR	Stepping motor amplifier 115/230V/AC 6,8A	Type/Part No: SD328BU68S2 Macro: SD328BU68S2		=SD328B +U68S2
			User.	CBA					
			Check.	19.06.06					
Changes	Date	Name	Norm		MACROS SD328			Sheet 0020	Page 3 of 3

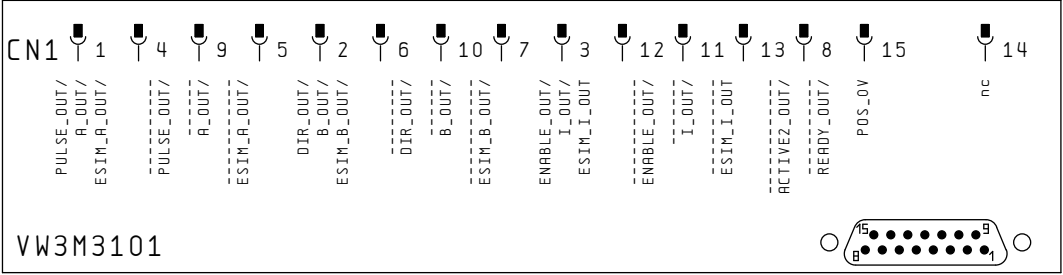
0	1	2	3	4	5	6	7	8	9
<div><div>-L?</div><div>9A; 115/230VAC</div><div><div><div><div><div></div></div><div>PE</div></div><div><div><div></div></div><div>L1</div></div><div><div><div></div></div><div>L2</div></div></div><div>Netzfilter</div><div>PE L.1 L.2 VW3A31401/ 9A</div></div></div>									

			Date	08.05.06	<div>BERGER LAHR</div>	EMC line filter footprint 1~ 115/230VAC, 9A	Type/Part No: VW3A31401 Macro: VW3A31401		=VW3A +31401	
			User.	CBA						
			Check.	19.06.06						
Changes	Date	Name	Norm		MACROS SD328				Sheet 0021	Page 1 of 1

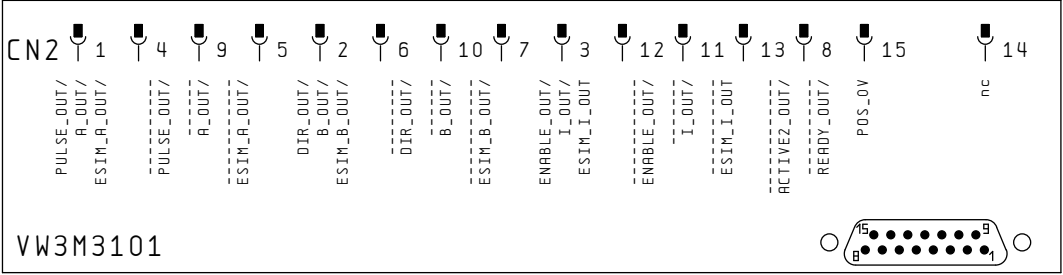
-A?
Adapter for distribution of
A/B encoder sign. and P/D sign.





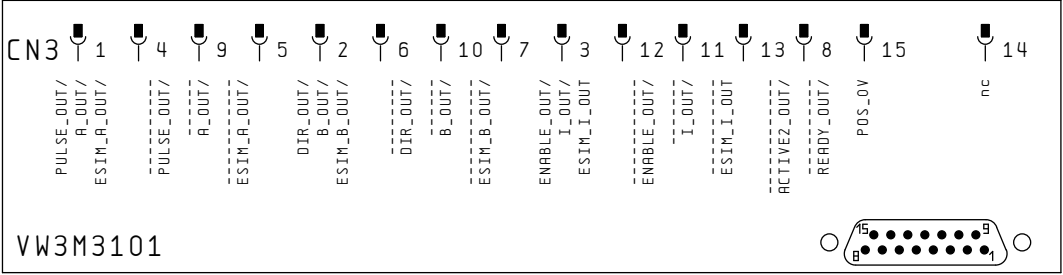


-A?
Adapter for distribution of
A/B encoder sign. and P/D sign.
15-pole SubD plug

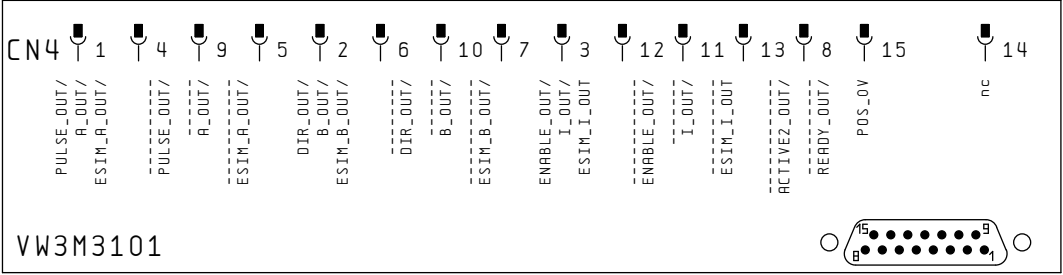


VW3M3101

-A?
Adapter for distribution of
A/B encoder sign. and P/D sign.
15-pole SubD plug

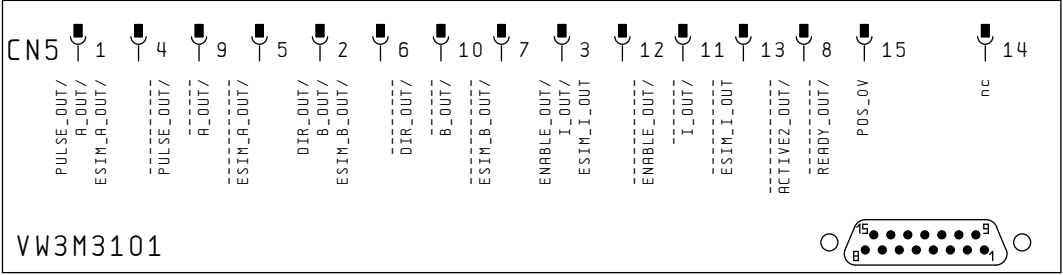


-A?
Adapter for distribution of
A/B encoder sign. and P/D sign.
15-pole SubD plug

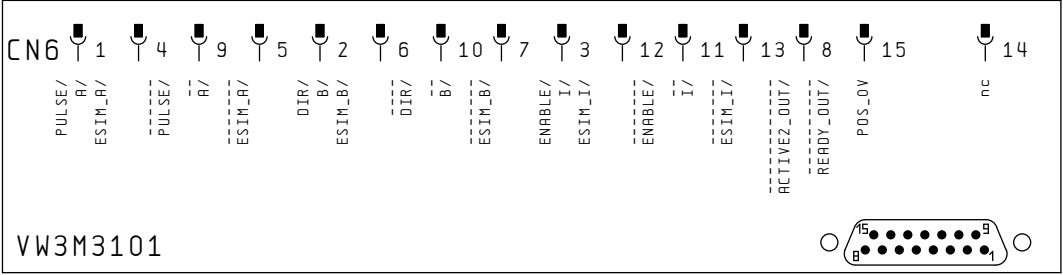


VW3M3101

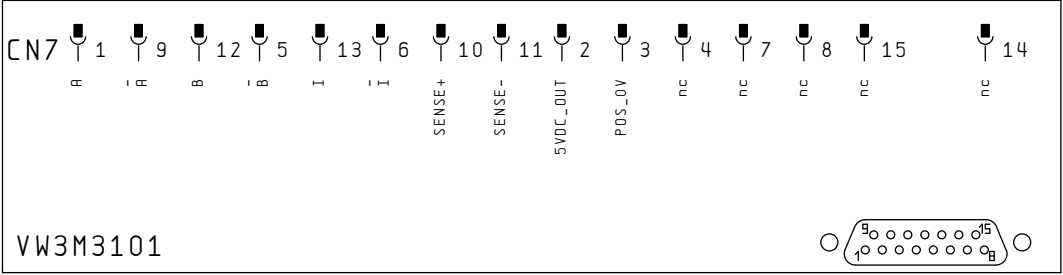
-A?
Adapter for distribution of
A/B encoder sign. and P/D sign.
15-pole SubD plug



-A?
Adapter for distribution of
A/B encoder sign. and P/D sign.
15-pole SubD plug

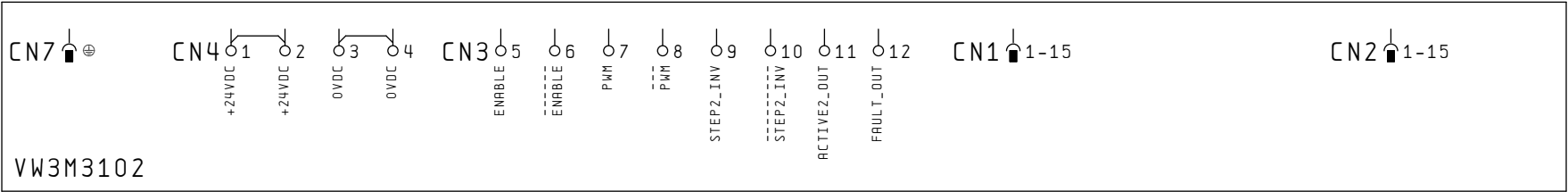


-A?
Adapter for distribution of
A/B encoder sign. and P/D sign.
15-pole SubD plug



-A?
Adapter for distribution of
A/B encoder sign. and P/D sign.
15-pole SubD socket

0	1	2	3	4	5	6	7	8	9
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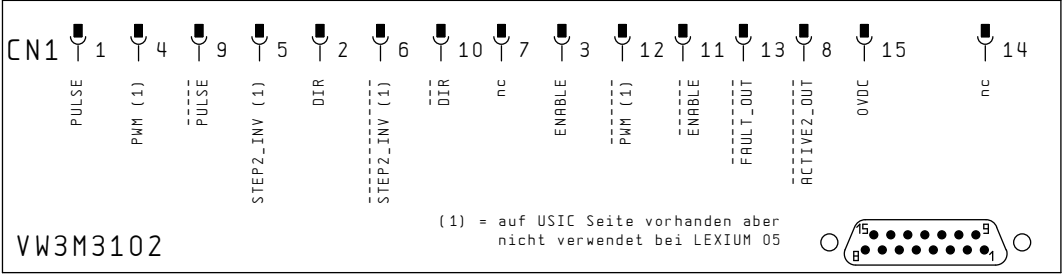


VW3M3102

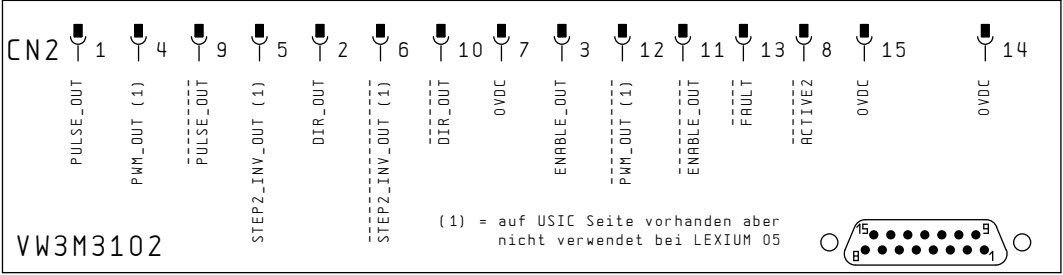
-A?

Adapter for distribution USIC
Universal Signal Interf. Conv.

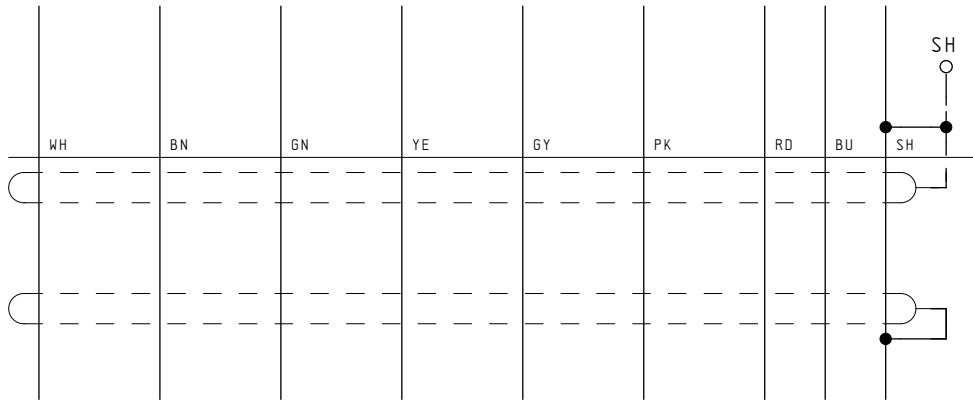
			Date	08.05.06	BERGER LAHR	Adapter for distribution USIC Universal Signal Interf. Conv.	Type/Part No: VW3M3102 Macro: VW3M3102_1	= VW3M + 3102	
			User.	CBA					
			Check.	19.06.06					
Changes	Date	Name	Norm		MACROS SD328			Sheet 0031	Page 1 of 3



-A?
Adapter for distribution USIC
Universal Signal Interf. Conv.
15-pole SubD pug



-A?
Adapter for distribution USIC
Universal Signal Interf. Conv.
15-pole SubD pug

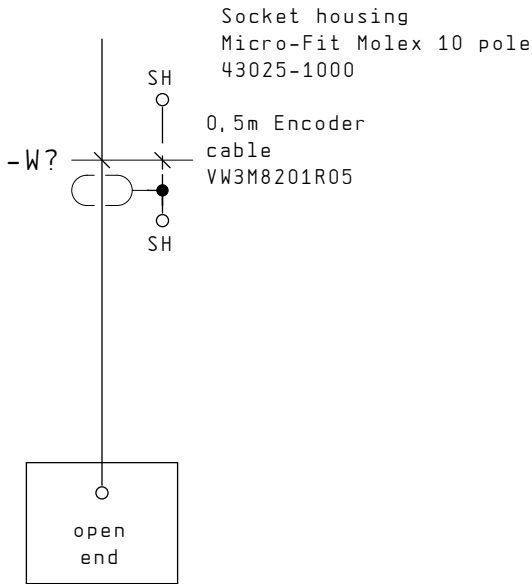


Socket housing Micro-Fit
Molex 10 pole
43025-1000

-W?
VW3M8201R05
0,5m 9x0,14mm²
Puls/dir. ESIM
and A/B

open end

Multipolar representation

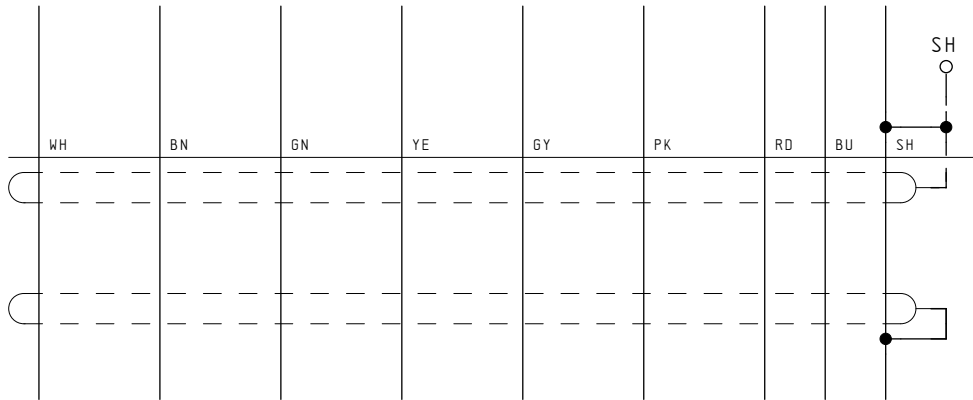


Socket housing
Micro-Fit Molex 10 pole
43025-1000

0,5m Encoder
cable
VW3M8201R05

open
end

Single-pole representation

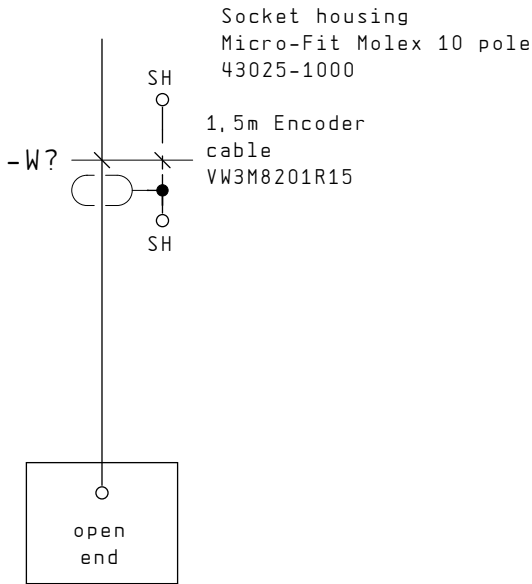


Socket housing Micro-Fit
Molex 10 pole
43025-1000

-W?
VW3M8201R15
1,5m 9x0,14mm²
Puls/dir. ESIM
and A/B

open end

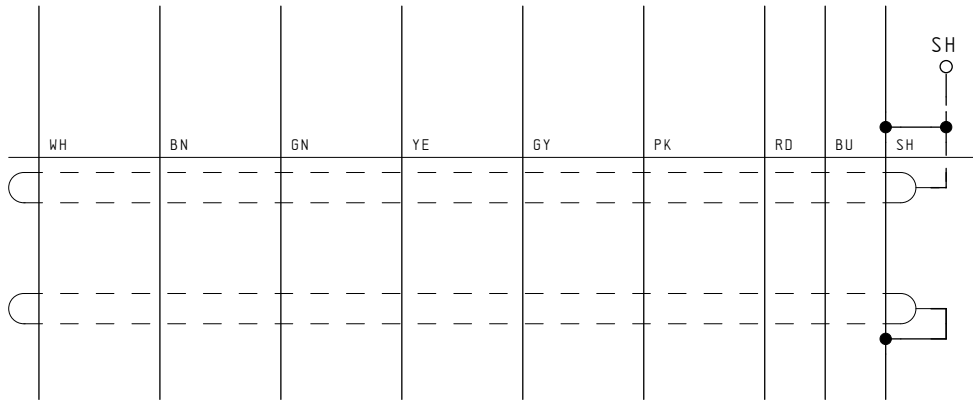
Multipolar representation



Socket housing
Micro-Fit Molex 10 pole
43025-1000

1,5m Encoder
cable
VW3M8201R15

Single-pole representation

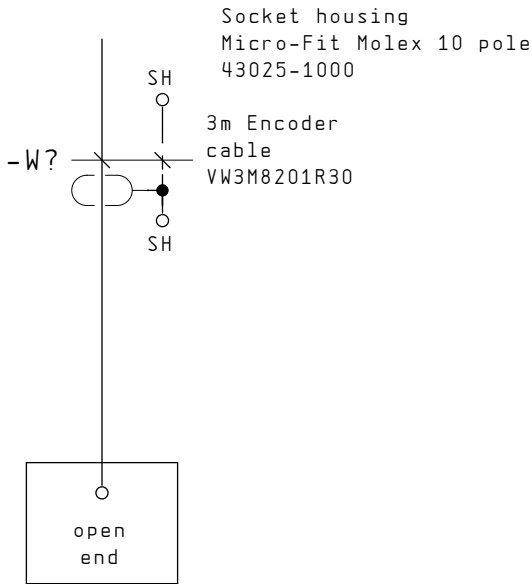


Socket housing Micro-Fit
Molex 10 pole
43025-1000

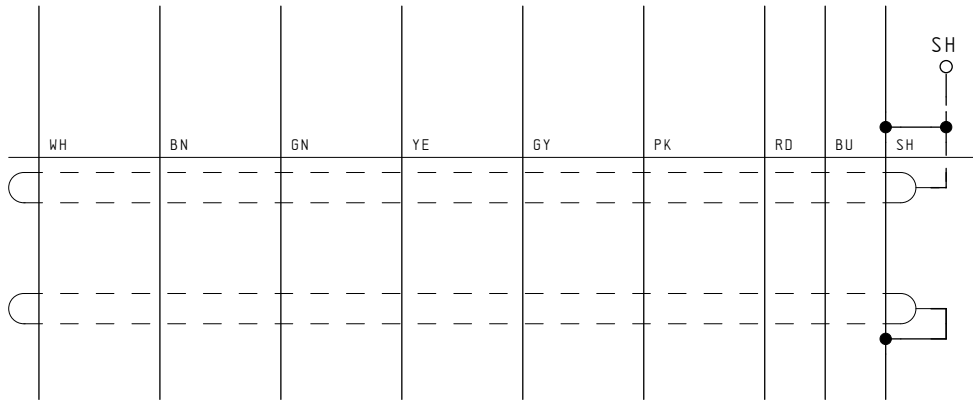
-W?
VW3M8201R30
3m 9x0,14mm²
Puls/dir. ESIM
and A/B

open end

Multipolar representation



Single-pole representation

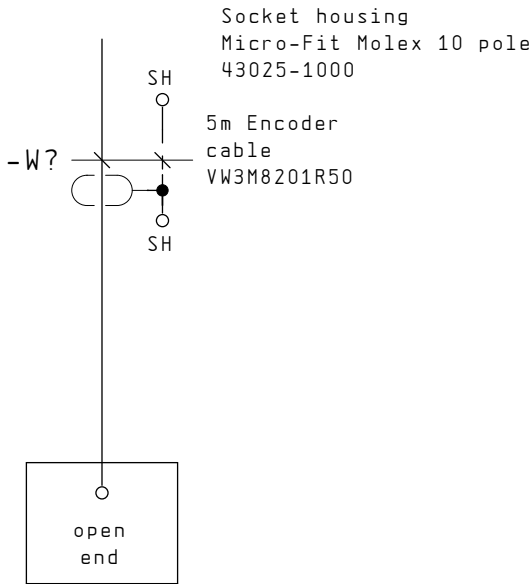


Socket housing Micro-Fit
Molex 10 pole
43025-1000

-W?
VW3M8201R50
5m 9x0,14mm²
Puls/dir. ESIM
and A/B

open end

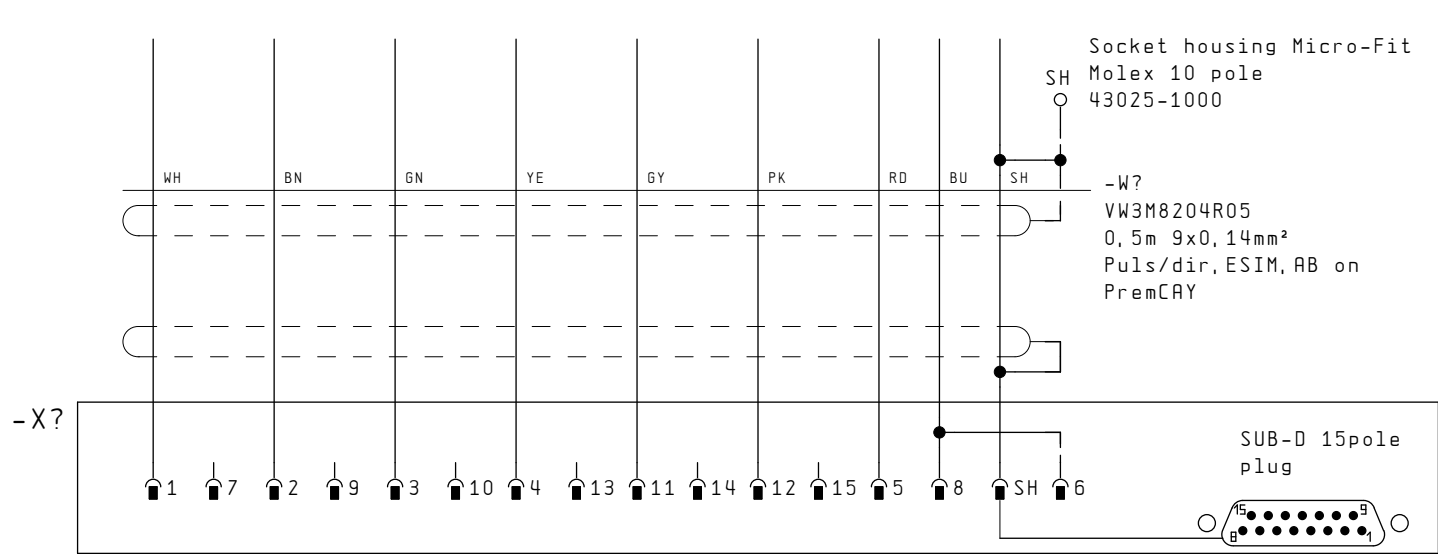
Multipolar representation



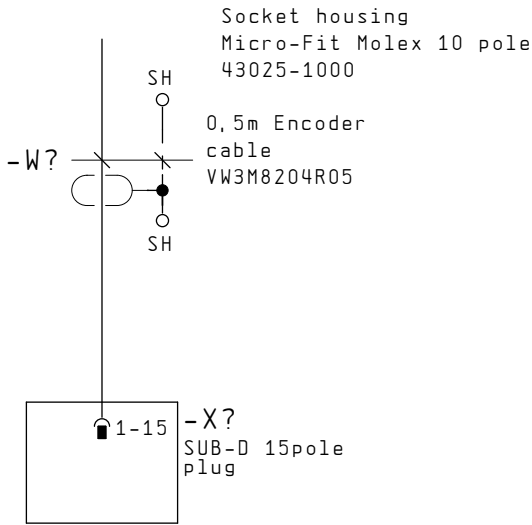
Socket housing
Micro-Fit Molex 10 pole
43025-1000

5m Encoder
cable
VW3M8201R50

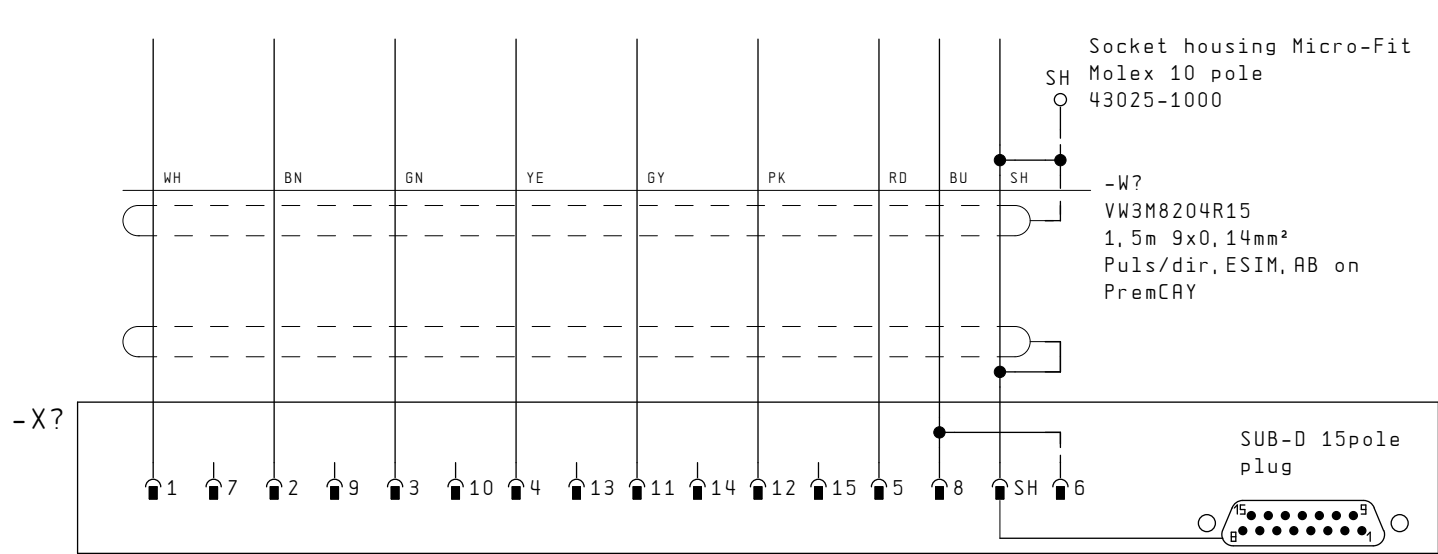
Single-pole representation



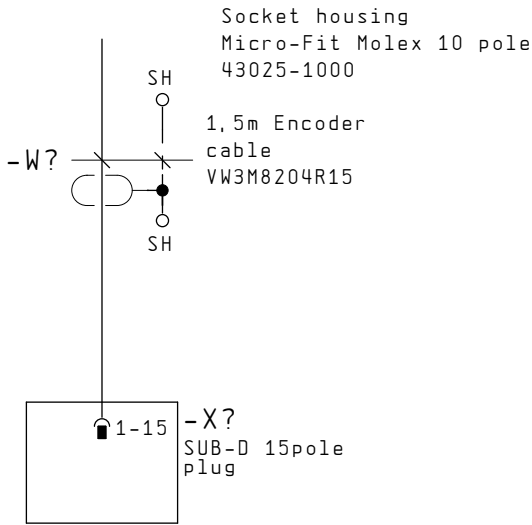
Multipolar representation



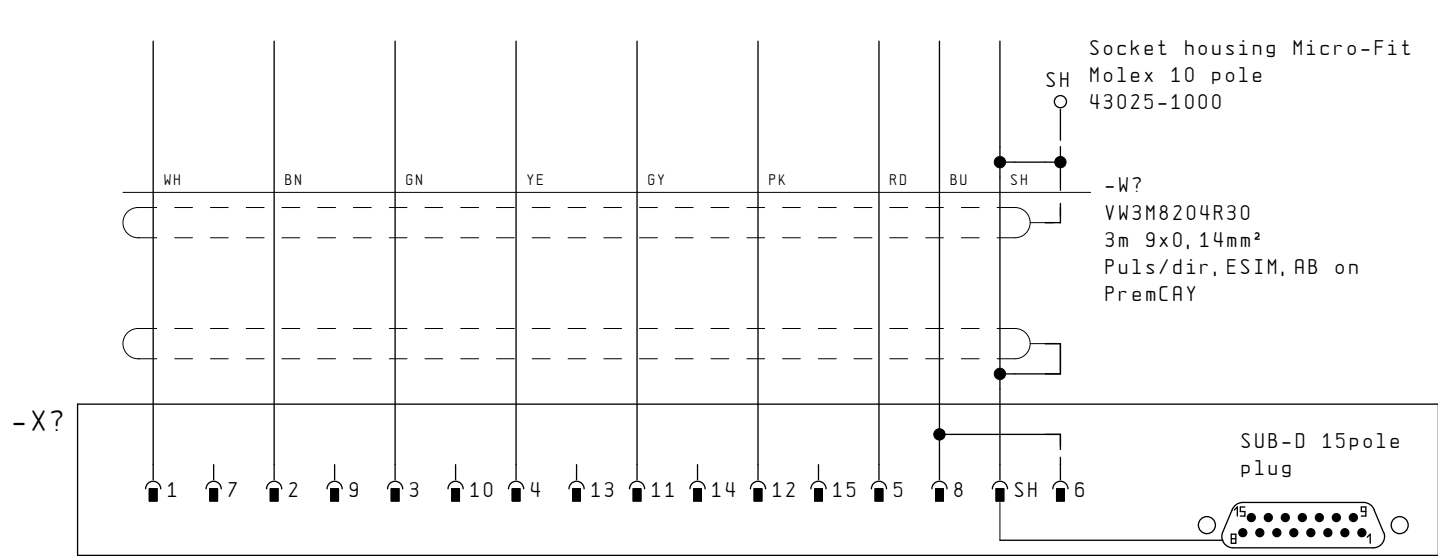
Single-pole representation



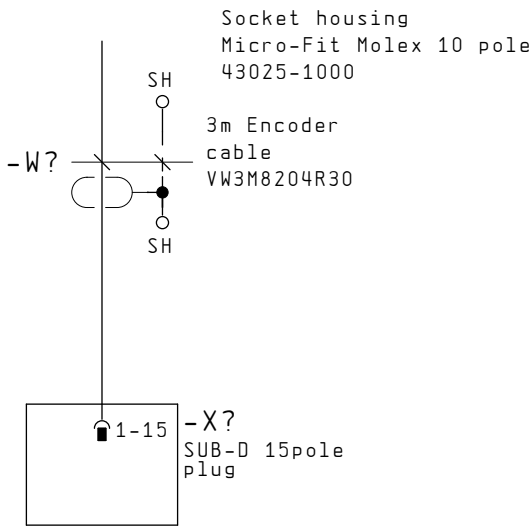
Multipolar representation



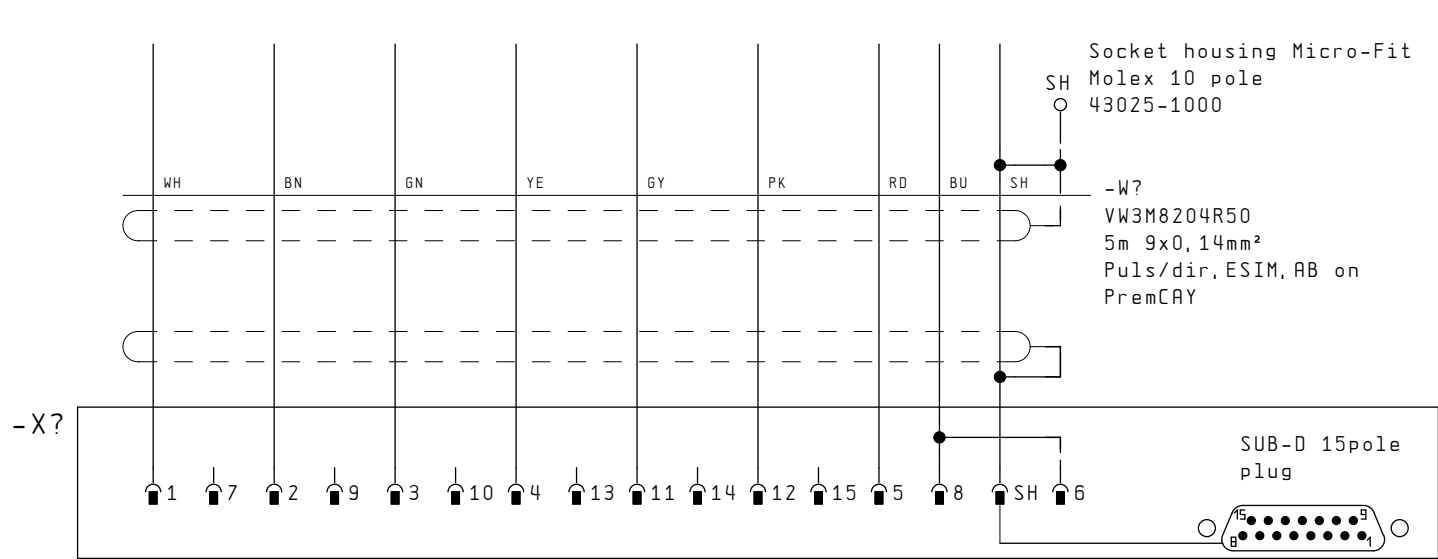
Single-pole representation



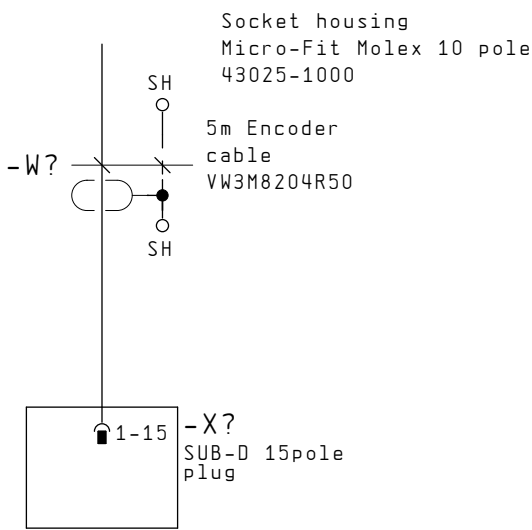
Multipolar representation



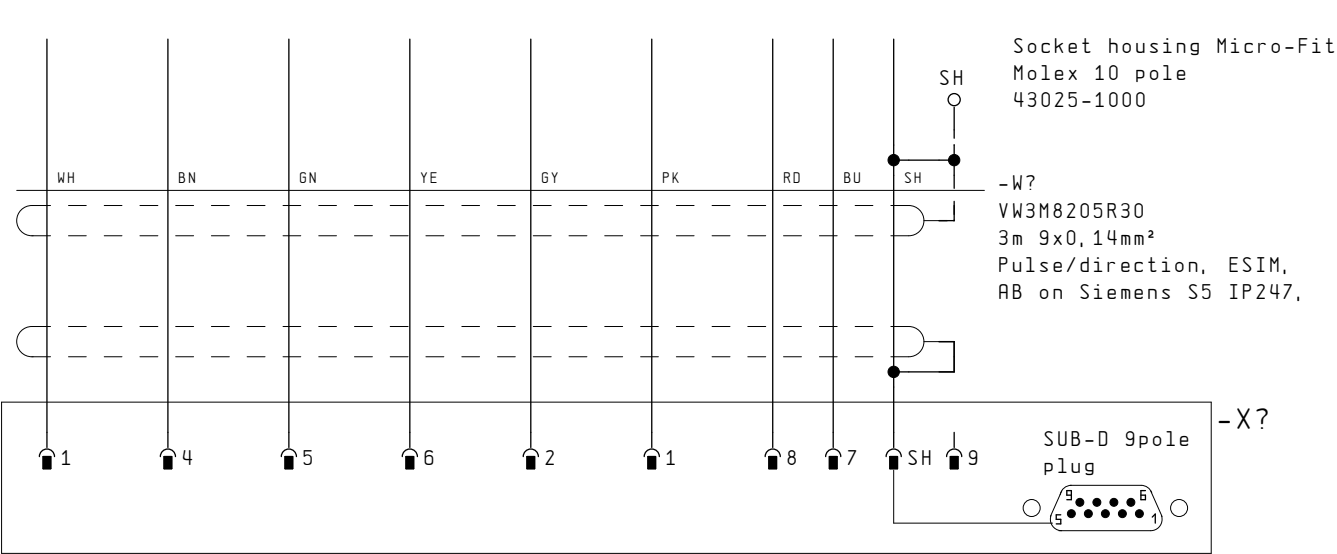
Single-pole representation



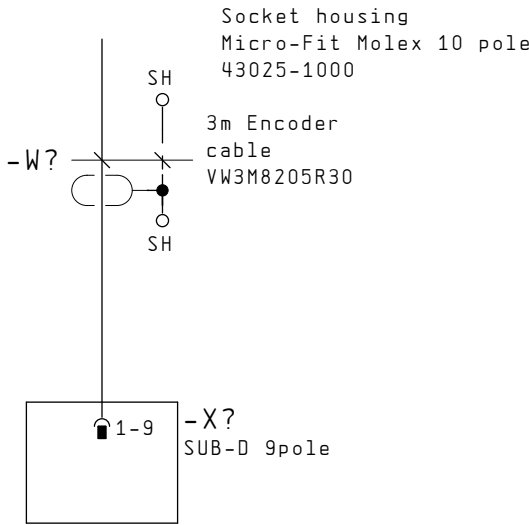
Multipolar representation



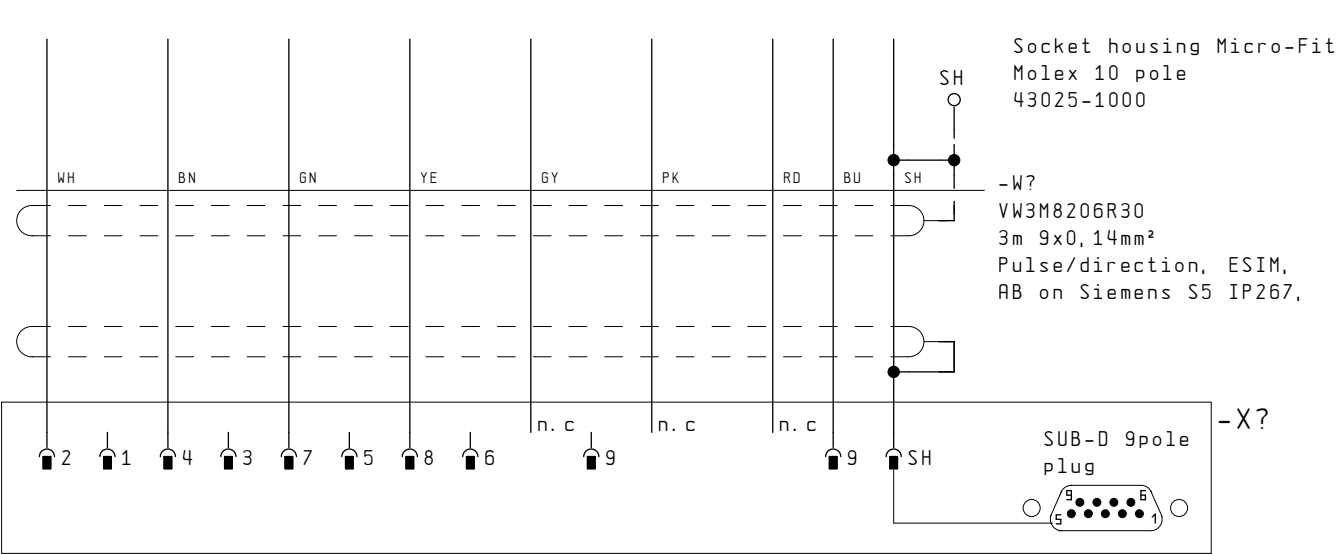
Single-pole representation



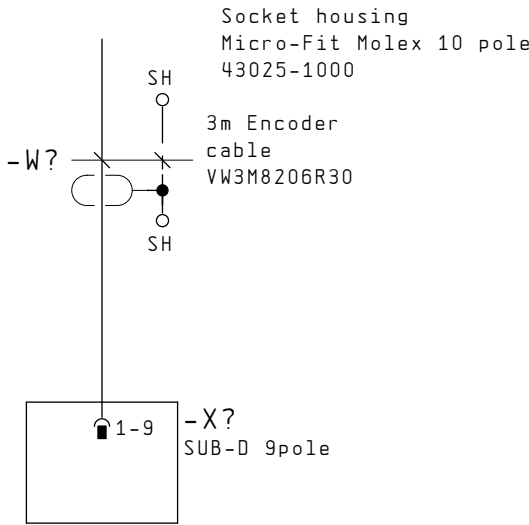
Multipolar representation



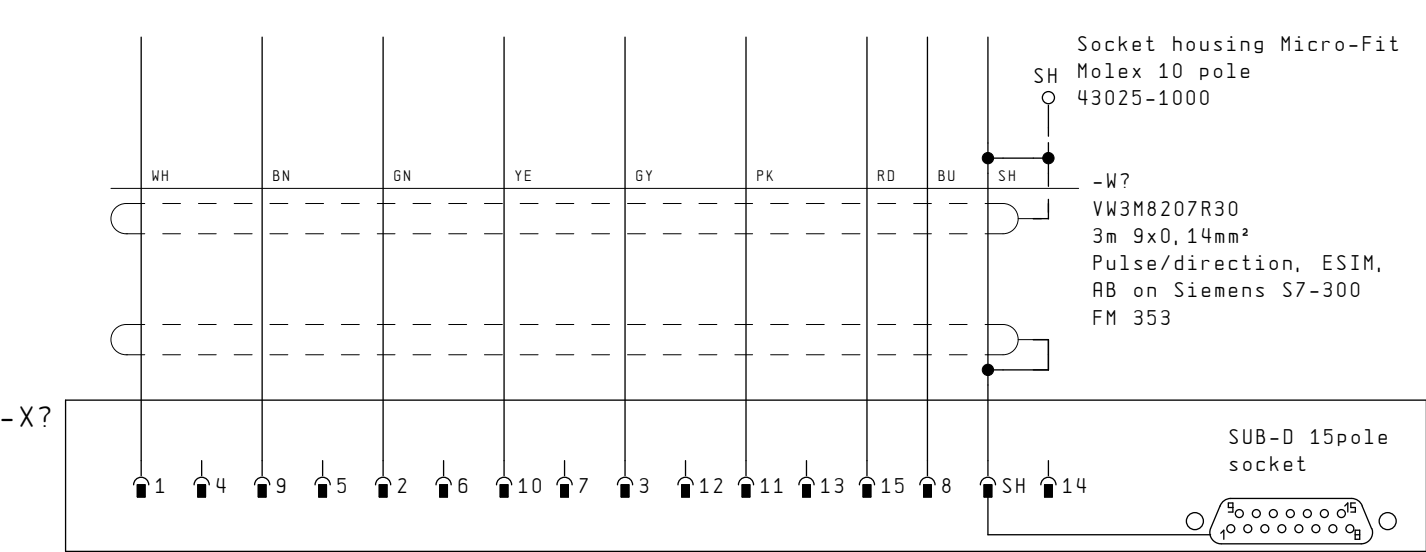
Single-pole representation



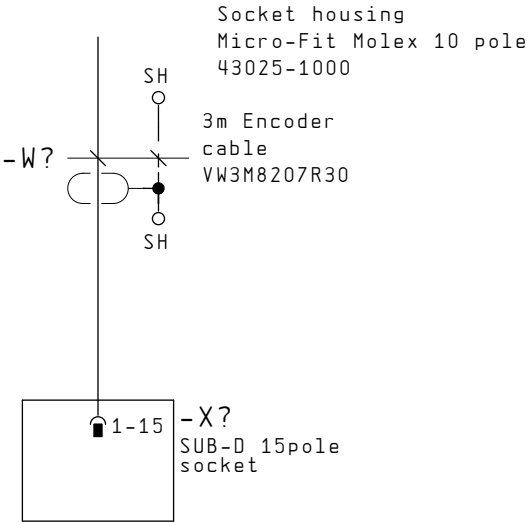
Multipolar representation



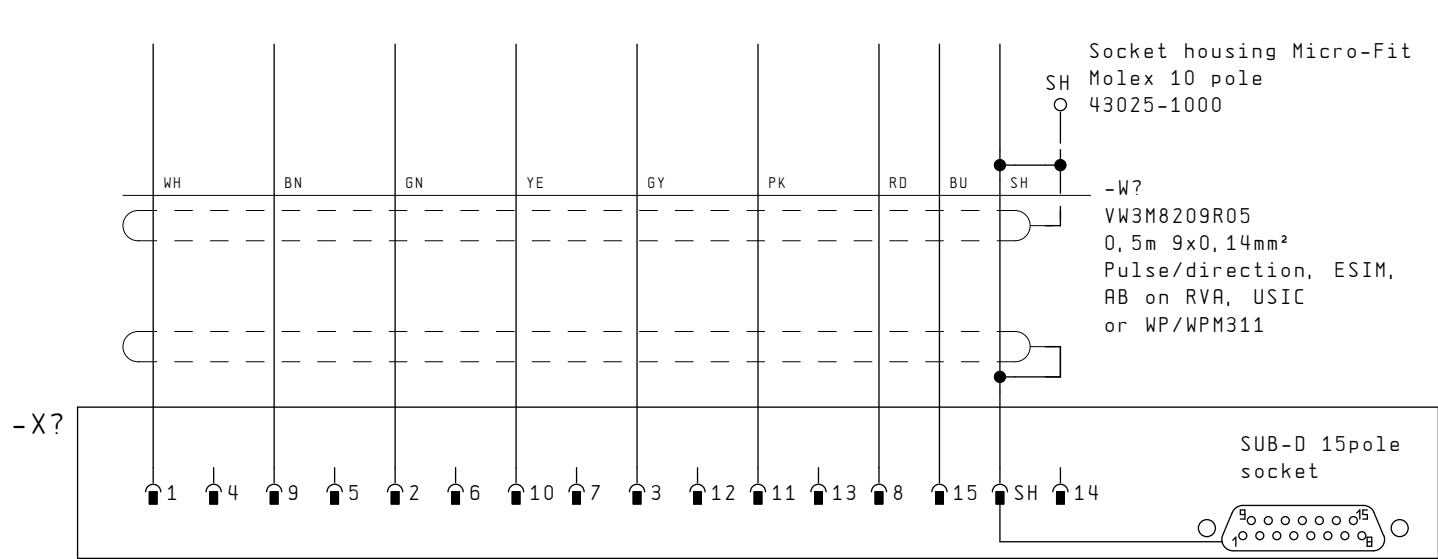
Single-pole representation



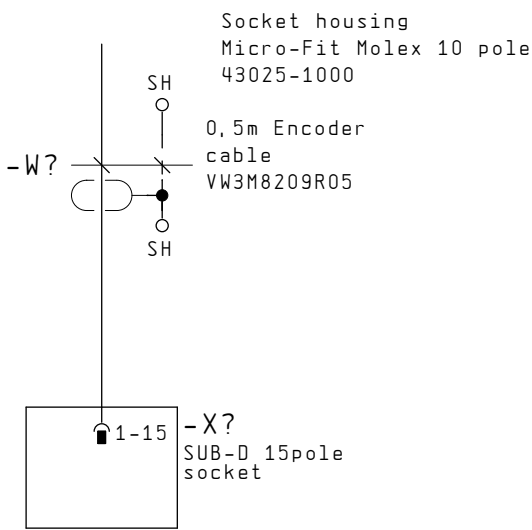
Multipolar representation



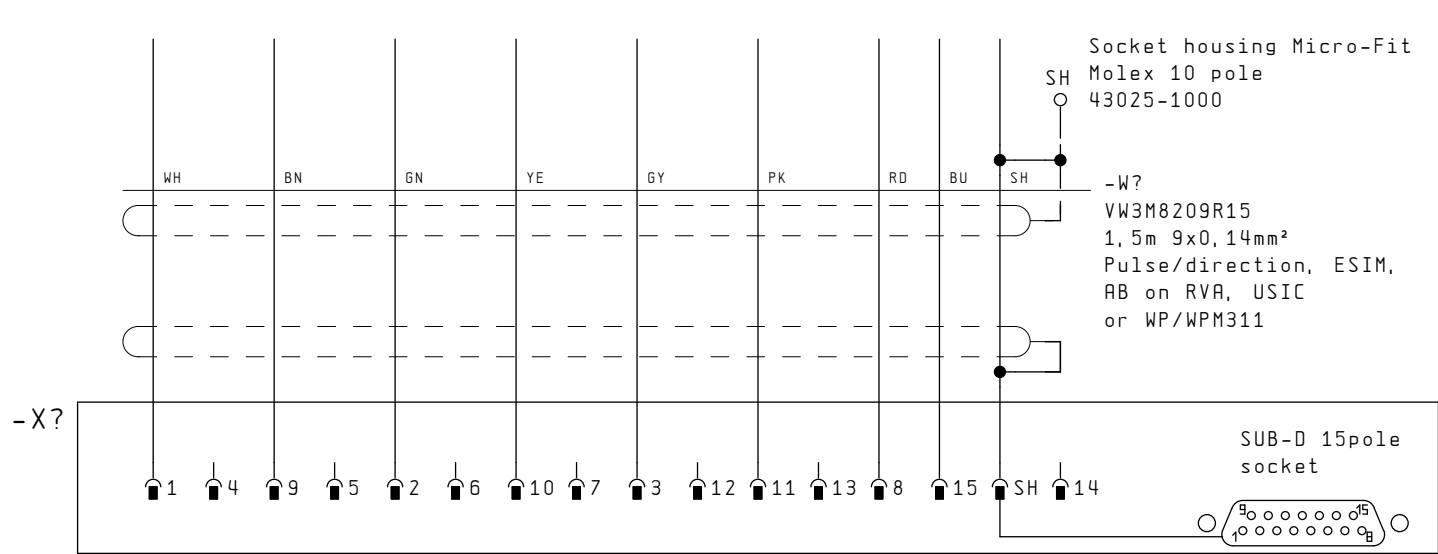
Single-pole representation



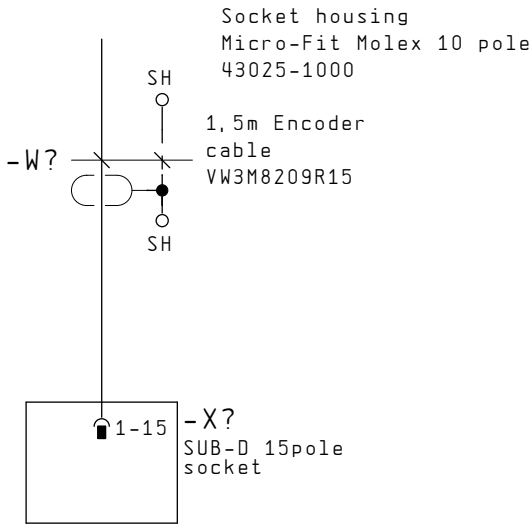
Multipolar representation



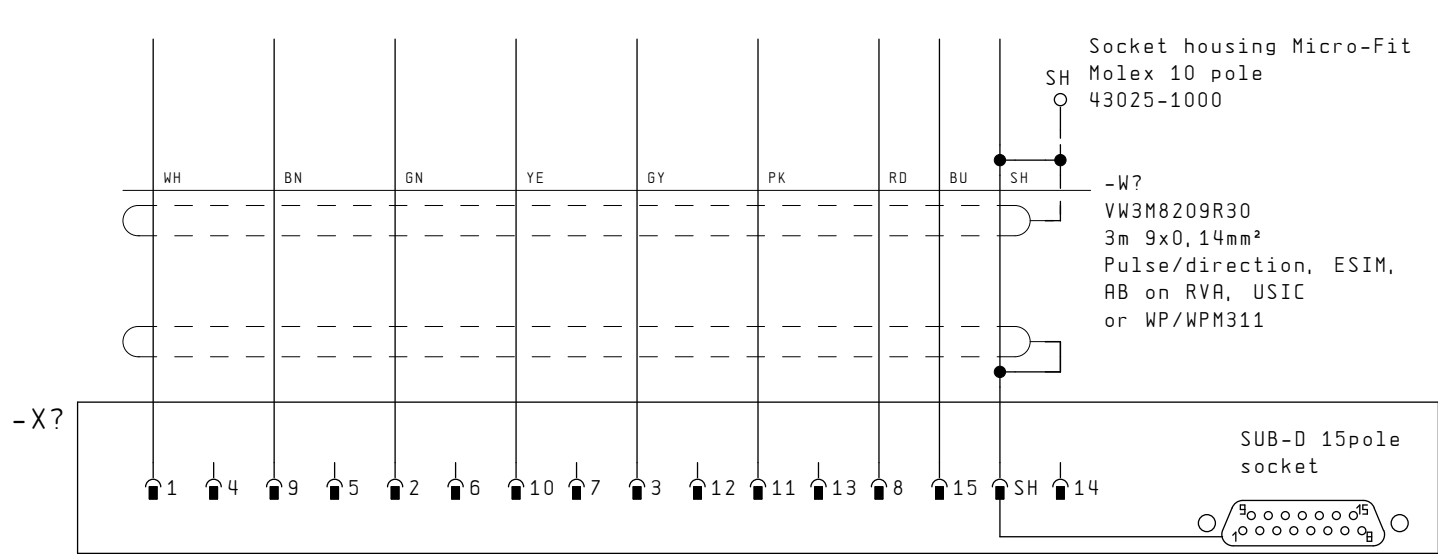
Single-pole representation



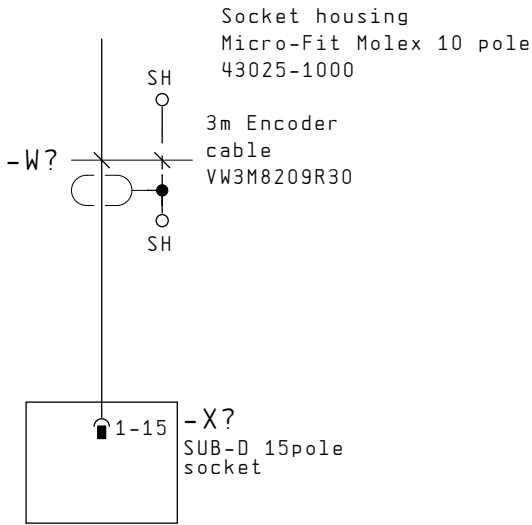
Multipolar representation



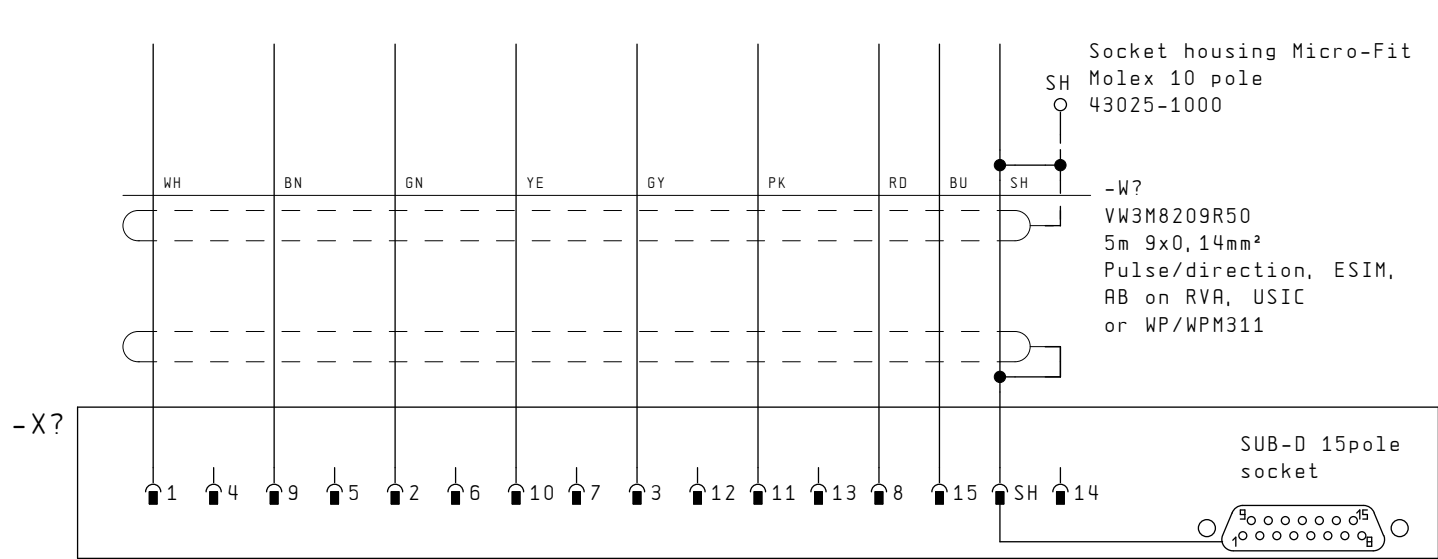
Single-pole representation



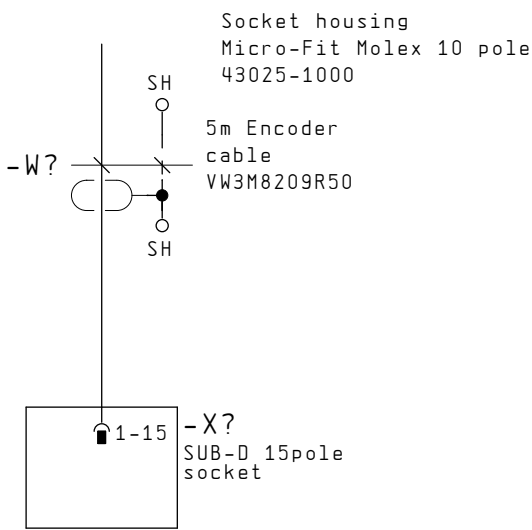
Multipolar representation



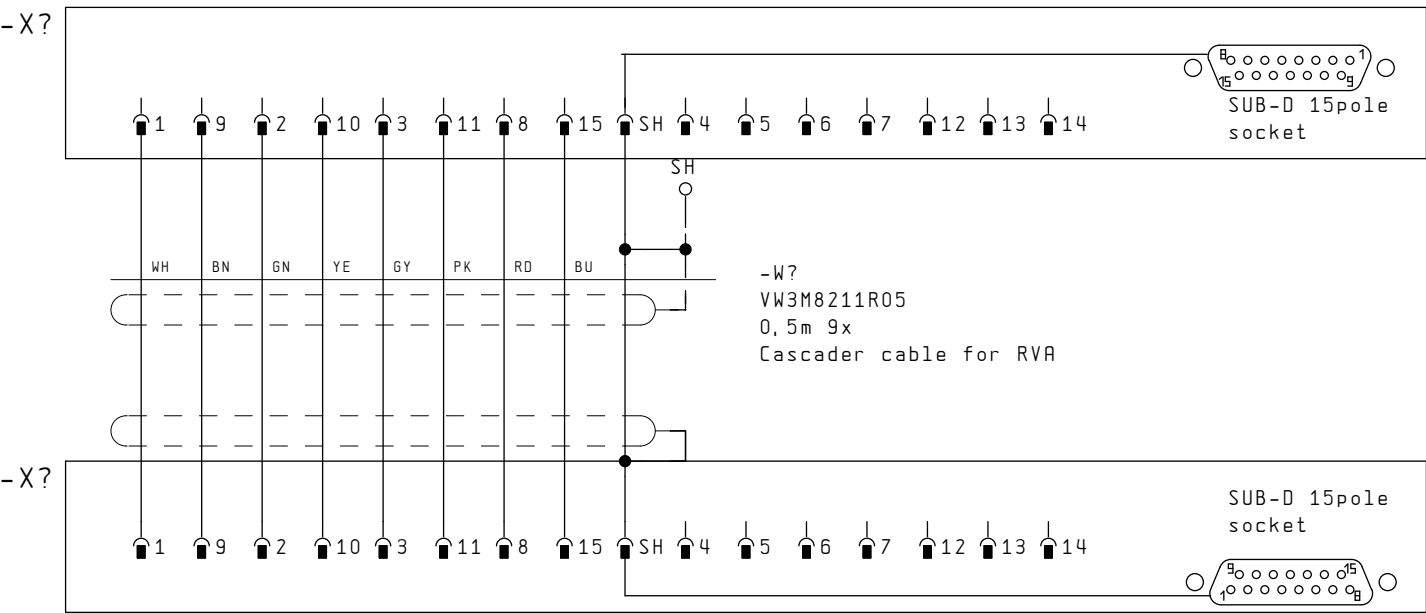
Single-pole representation



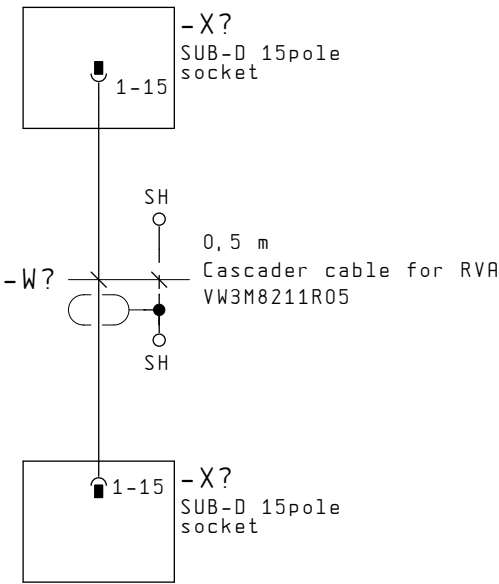
Multipolar representation



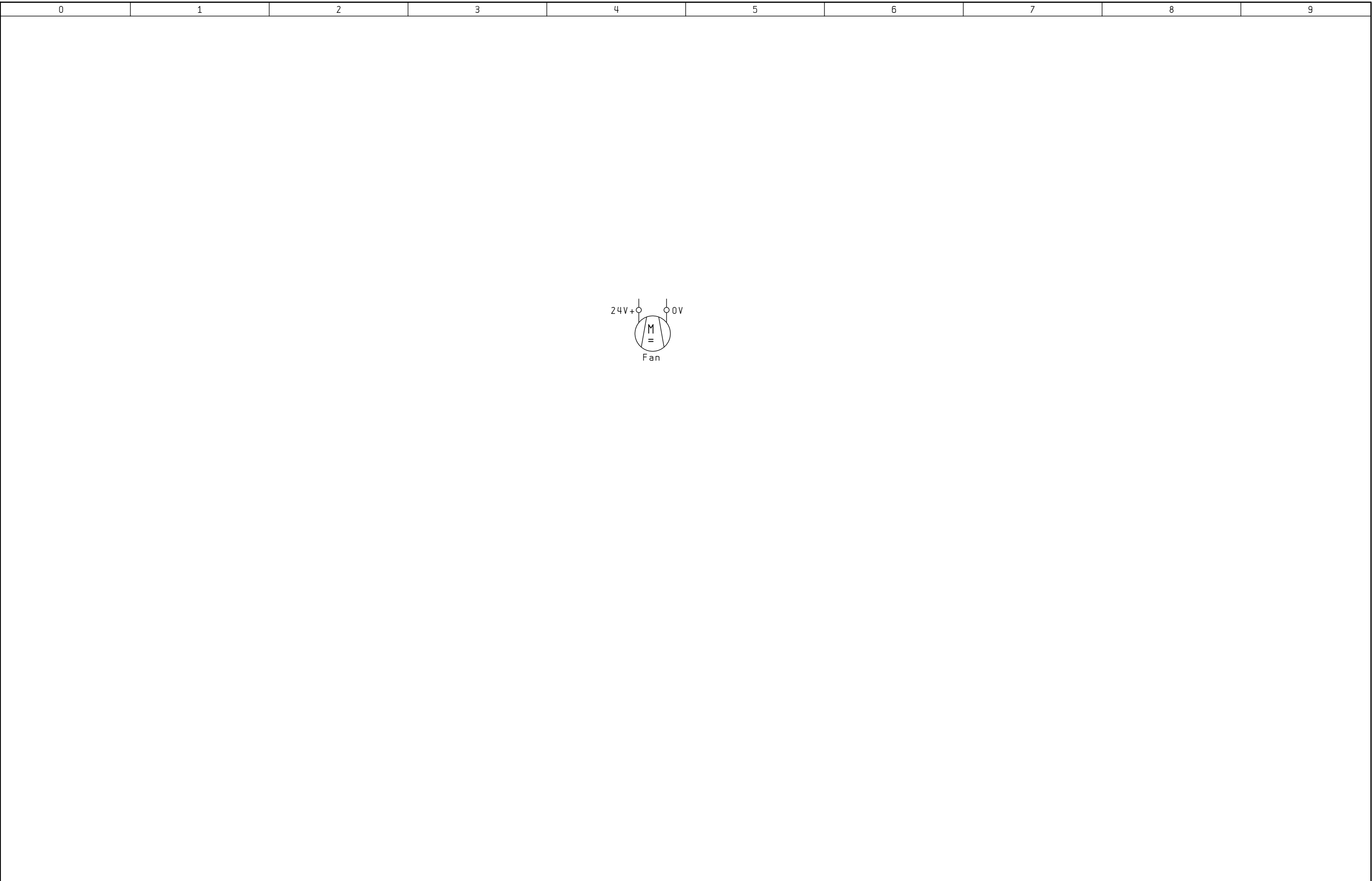
Single-pole representation



Multipolar representation

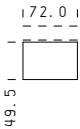


Single-pole representation

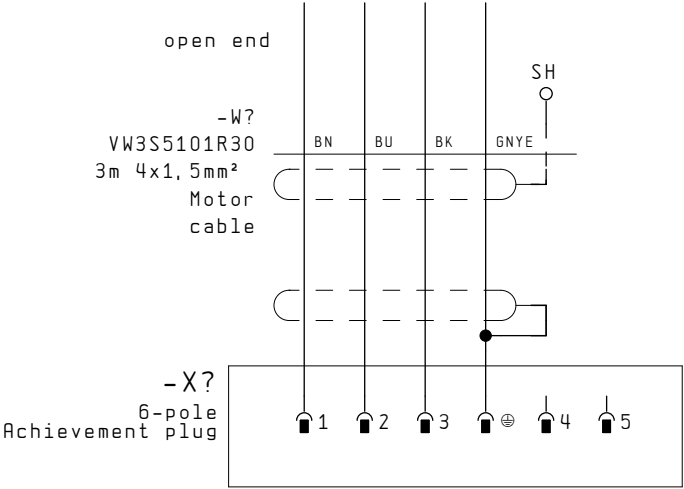


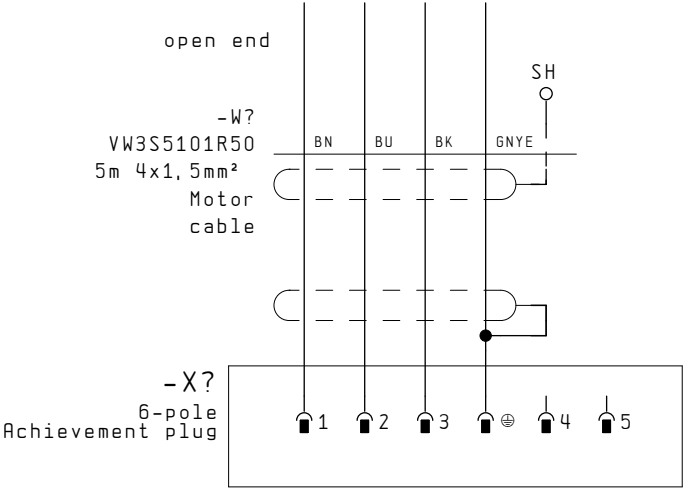
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			User.	CBA						
			Check.	19.06.06						
Changes	Date	Name	Norm		MACROS SD328			Sheet 0050	Page	1 of 2

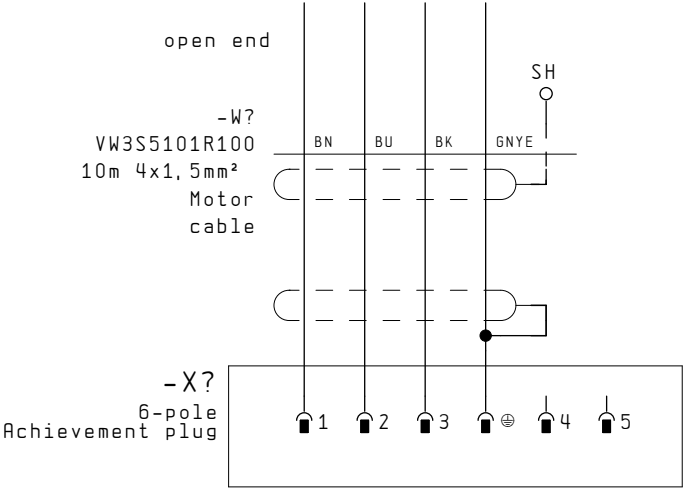
0	1	2	3	4	5	6	7	8	9

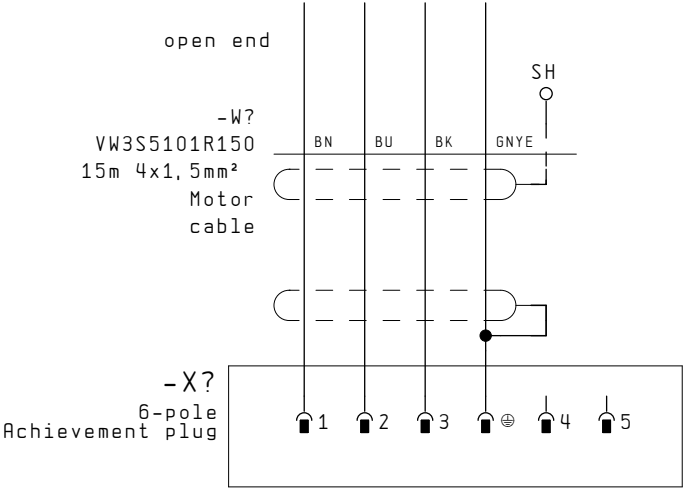


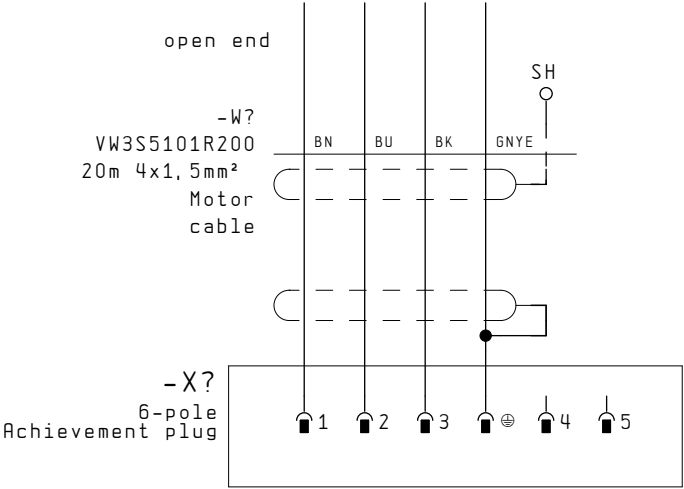
			Date	08.05.06	BERGER LAHR	Fan Set	Type/Part No: VW3S3101 Macro: VW3S3101		=VW3S +3101
			User.	CBA					
			Check.	19.06.06					
Changes	Date	Name	Norm		MACROS SD328			Sheet 0051	Page 2 of 2

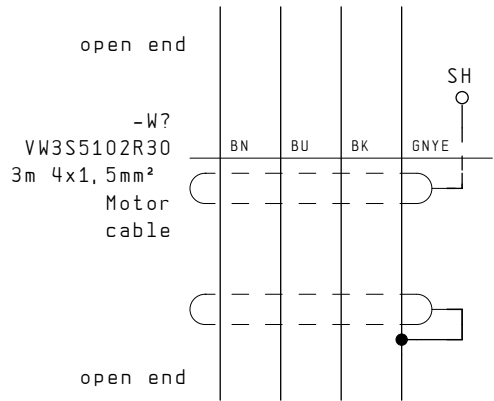


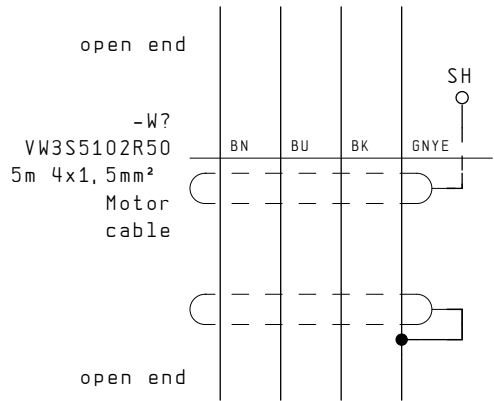


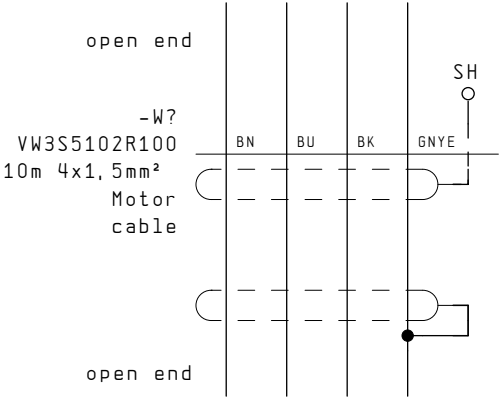




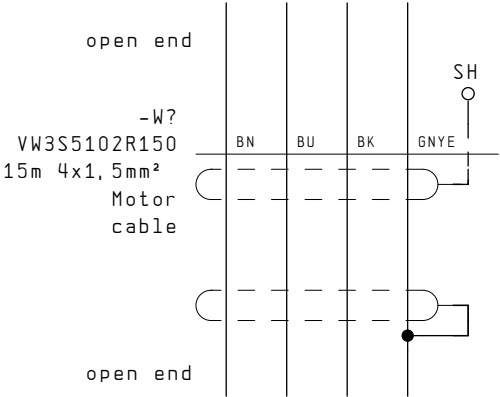




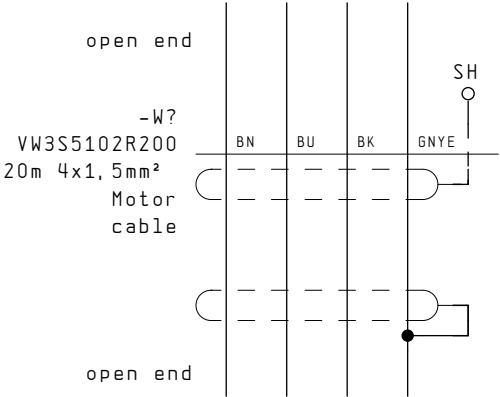


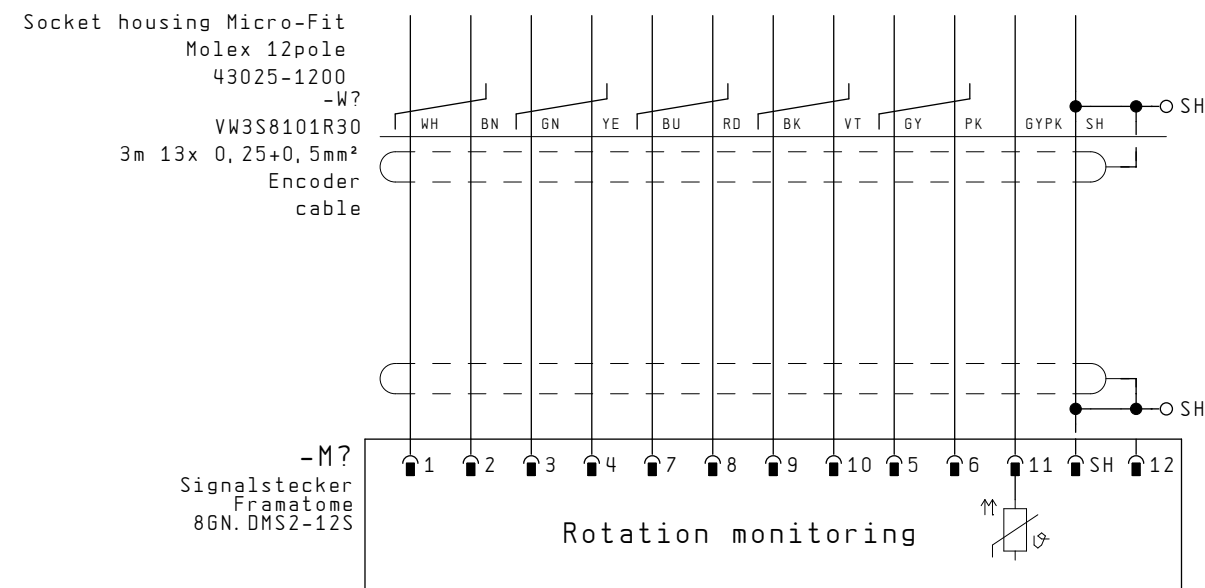


0	1	2	3	4	5	6	7	8	9
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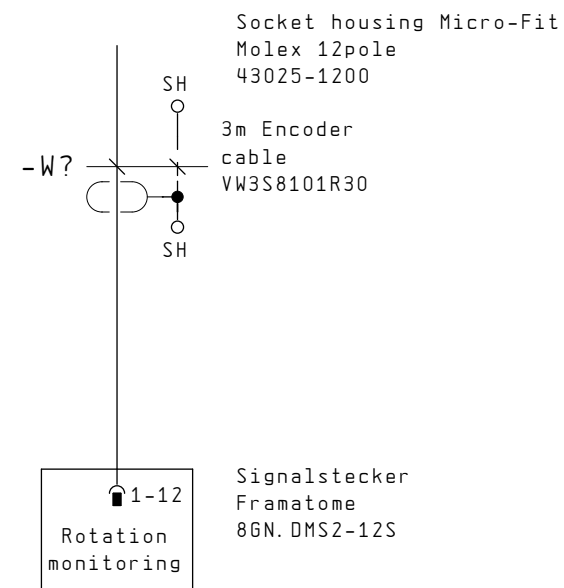


			Date	08.05.06	BERGER LAHR	Motor cable 15m	Type/Part No: VW3S5102R150 Macro: VW3S5102R150	=VW3S +5102R150	
			User.	CBA					
			Check.	19.06.06					
Changes	Date	Name	Norm		MACROS SD328			Sheet 0060	Page 1 of 1

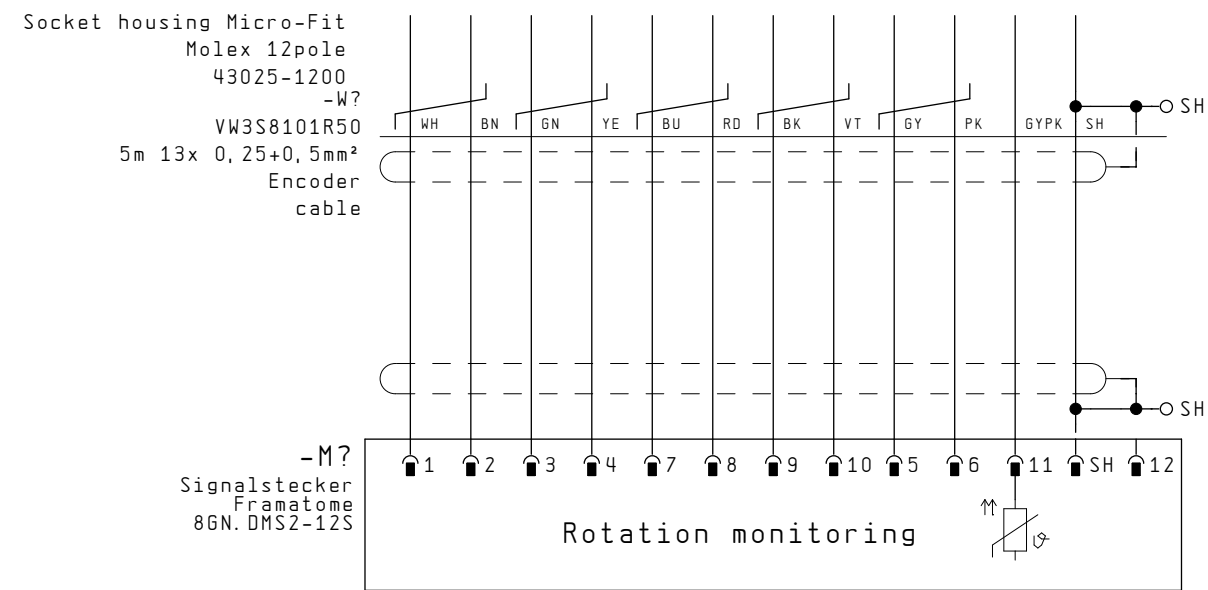




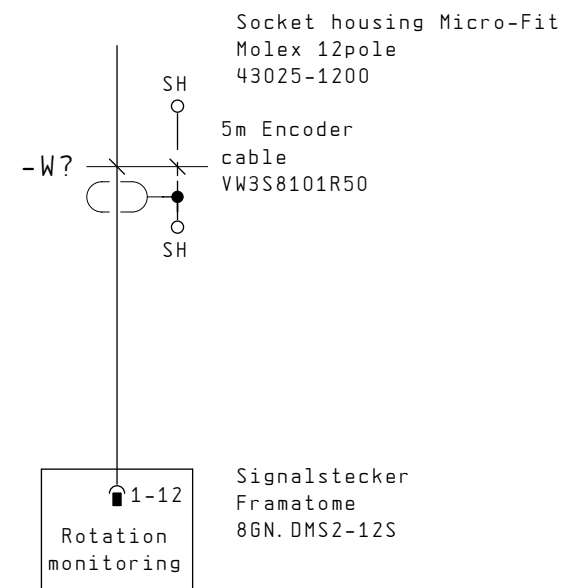
Multipolar representation



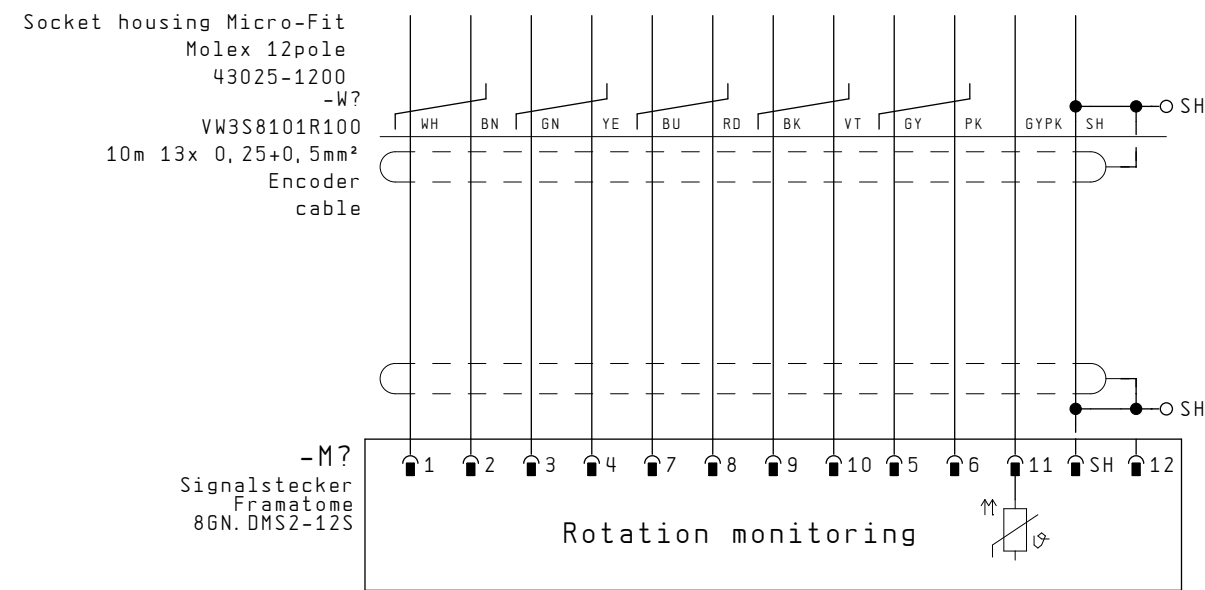
Single-pole representation



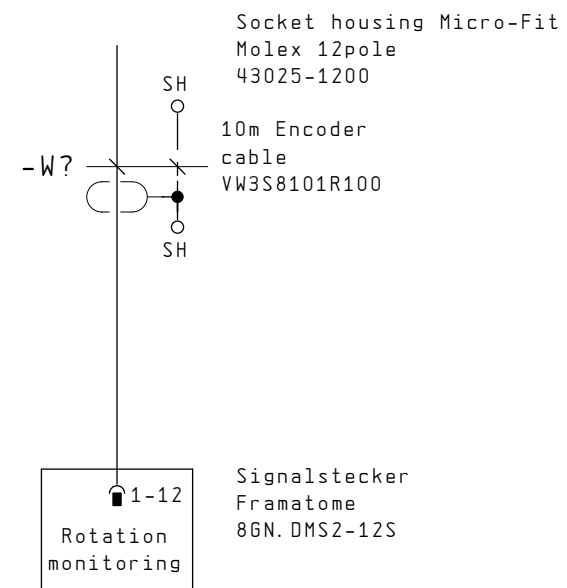
Multipolar representation



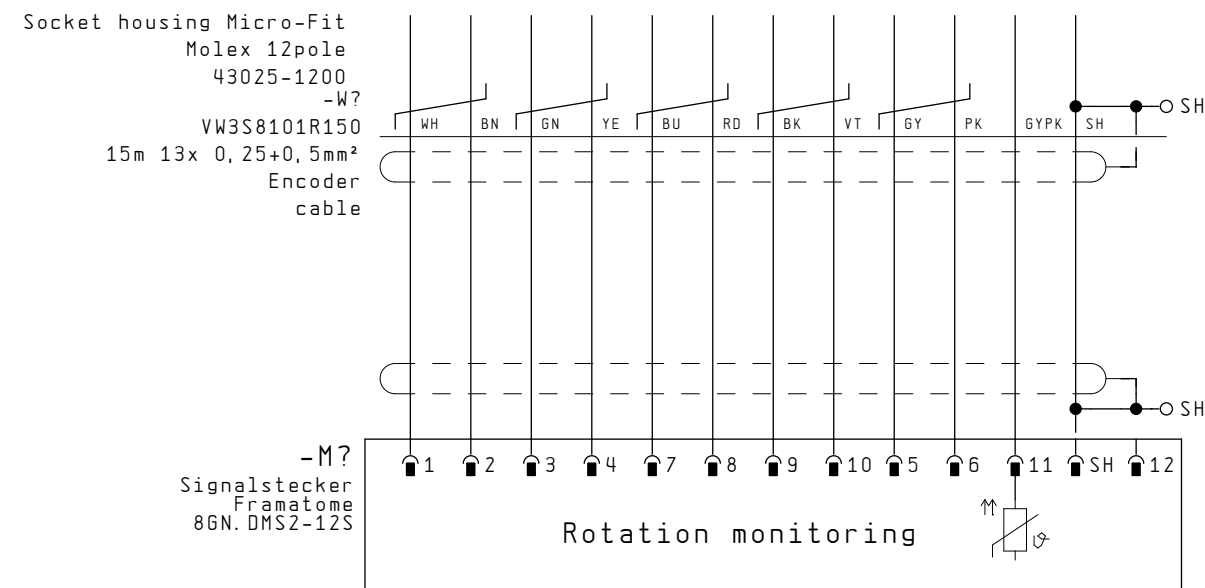
Single-pole representation



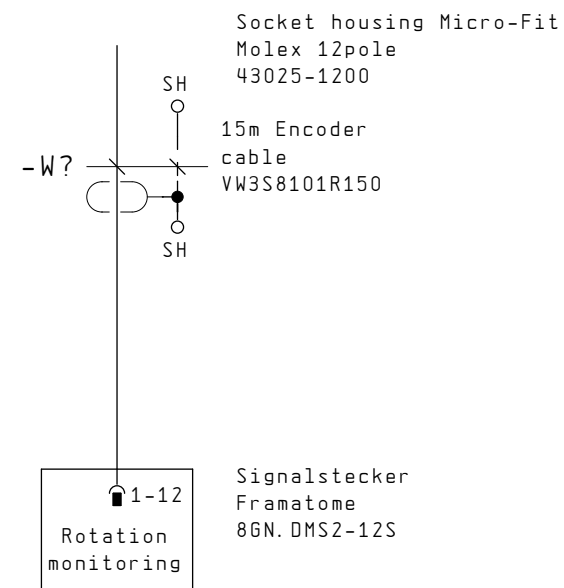
Multipolar representation



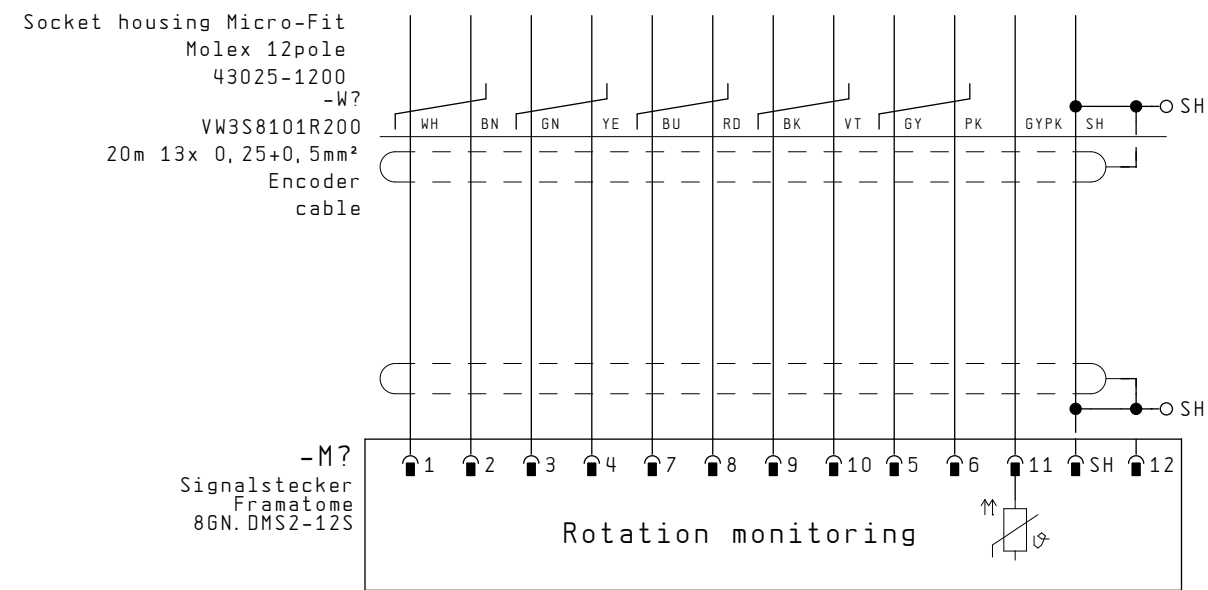
Single-pole representation



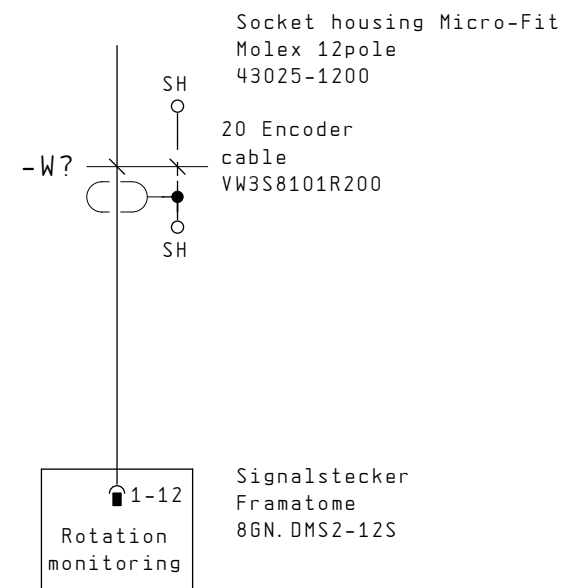
Multipolar representation



Single-pole representation



Multipolar representation



Single-pole representation