

DUS Daten- und Steuerungstechnik GmbH  
Waldstraße 17 • D-57250 Netphen-Deuz

[info@dus-gmbh.de](mailto:info@dus-gmbh.de)

<http://www.dus-gmbh.de>

Company Knick Elektronische Messgeräte GmbH & Co. KG  
Street Beuckestraße 22  
City D-14163 Berlin



<http://www.knick.de>

Project MAKROS\_BasicLine\_2014\_03  
Project description Knick Produktmakros BasicLine  
Status 03-2014  
Created with EPLAN Electric P8 2.3.5.7352  
Manufacturer (Company) DUS Daten- und Steuerungstechnik GmbH  
Responsible for project Stefan Hellwig

Created on 06.03.2014 by (short name) AWE  
Edit date 17.03.2014 by (short name) SHE

Number of pages 13

			Date	17.03.2014	Knick Produktmakros BasicLine		Title page / cover sheet	==	Knick	Page from	1
			Ed.	SHE				=	DOC		13
			Appr					++			
Modification	Date	Name	Original		Replacement of	Replaced by		+		Page	1



# Macros for Eplan Electric P8

## LEGAL NOTICE AND EXCLUSION OF LIABILITY

This project is all rights reserved and the intellectual property of the company

Knick Elektronische Messgeräte GmbH & Co. KG  
 Beuckestraße 22  
 D-14163 Berlin

All statements are made with the best intentions and the best of our knowledge and belief.

For the correctness and completeness of the specification no adhesion is taken over.

No responsibility is accepted for the using of the product data with the CAE system Eplan Electric P8.

## Project structure

This project is a macro project and contains CAE data for Eplan Electric P8.

## CAE data:

Type	File name	Version	File type
Macros	Knick_BasicLine	03_2014	.zw5
Parts data	Parts_Knick_BasicLine	03_2014	.zw6
Parts data import file	Parts_Knick_BasicLine	03_2014	.xml

## Data directories:

..\EPLAN\Electric P8\...\ Knick

## Parts data:

For all macros parts data have been created.

They apply to the internal part selection.

For the data exchange between parts data and project / project and parts data the Eplan Electric P8 functions for synchronize parts data will be use.

# Table of contents

Page	Sheet	Page description	Date	Last editor
==Knick=DOC/1	1	Title page / cover sheet	17.03.2014	SHE
==Knick=DOC/2	2	Project description	17.03.2014	SHE
==Knick=DOC/3	3	Table of contents	17.03.2014	SHE
==Knick=PARTS/1	4	Parts list	17.03.2014	SHE
==Knick=BasicLine++BL 510/1	5	BasicLine BL 510	17.03.2014	SHE
==Knick=BasicLine++BL 513/1	6	BasicLine BL 513	17.03.2014	SHE
==Knick=BasicLine++BL 520/1	7	BasicLine BL 520	17.03.2014	SHE
==Knick=BasicLine++BL 530/1	8	BasicLine BL 530	17.03.2014	SHE
==Knick=BasicLine++BL 541_542/1	9	BasicLine BL 541	17.03.2014	SHE
==Knick=BasicLine++BL 541_542/2	10	BasicLine BL 542	17.03.2014	SHE
==Knick=BasicLine++BL 550/1	11	BasicLine BL 550	17.03.2014	SHE
==Knick=BasicLine++BL 560/1	12	BasicLine BL 560	17.03.2014	SHE
==Knick=BasicLine++BL 570/1	13	BasicLine BL 570	17.03.2014	SHE

2

=PARTS/1

			Date	17.03.2014	Knick Produktmakros BasicLine		Table of contents	== Knick	Page	3	
			Ed.	SHE				= DOC		from	13
			Appr					++			
Modification	Date	Name	Original		Replacement of	Replaced by		+	Page	3	

# Parts list

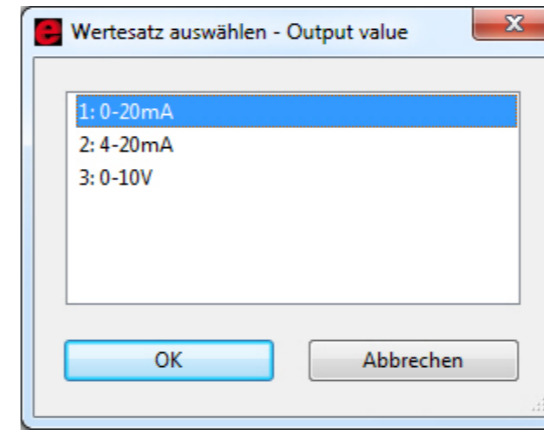
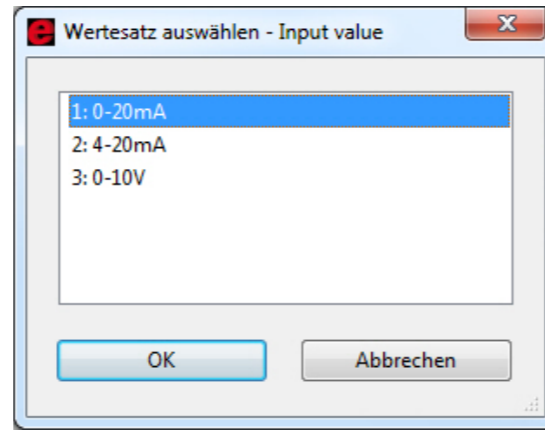
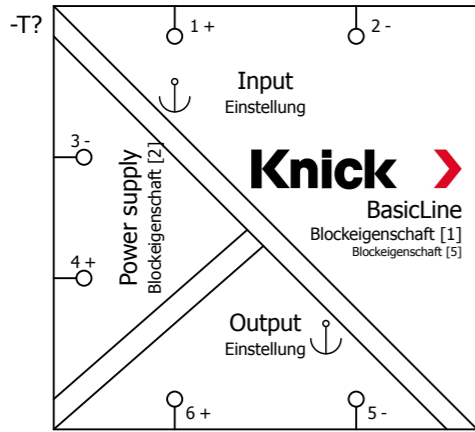
device tag	Quantity	Designation 1 Designation 2 Designation 3	Type number Order number	manufacturer supplier	manufacturer's name supplier name	part number function text
==Knick =BasicLine ++BL 510 -T?	2	BasicLine BL 510 Standard signal isolating amplifier Modular housing, screw terminals, IP 20 protection	BL 510 BL 510	Knick	Knick Elektronische Messgeräte GmbH & Co. KG	KNICK.BL 510
==Knick =BasicLine ++BL 513 -T?	2	BasicLine BL 513 Isolators for Standard Signals Modular housing, screw terminals, IP 20 protection	BL 513 BL 513	Knick	Knick Elektronische Messgeräte GmbH & Co. KG	KNICK.BL 513
==Knick =BasicLine ++BL 520 -T?	2	BasicLine BL 520 Temperature Transmitters Modular housing, screw terminals, IP 20 protection	BL 520 BL 520	Knick	Knick Elektronische Messgeräte GmbH & Co. KG	KNICK.BL 520
==Knick =BasicLine ++BL 530 -T?	2	BasicLine BL 530 Signal Doublers Modular housing, screw terminals, IP 20 protection	BL 530 BL 530	Knick	Knick Elektronische Messgeräte GmbH & Co. KG	KNICK.BL 530
==Knick =BasicLine ++BL 541_542 -T?	2	BasicLine BL 541 Loop-Powered Isolators for Standard Signals Modular housing, screw terminals, IP 20 protection	BL 541 BL 541	Knick	Knick Elektronische Messgeräte GmbH & Co. KG	KNICK.BL 541
==Knick =BasicLine ++BL 541_542 -T?	4	BasicLine BL 542 Loop-Powered Isolators for Standard Signals Modular housing, screw terminals, IP 20 protection	BL 542 BL 542	Knick	Knick Elektronische Messgeräte GmbH & Co. KG	KNICK.BL 542
==Knick =BasicLine ++BL 550 -T?	2	BasicLine BL 550 Set-Point Alarm Relays Modular housing, screw terminals, IP 20 protection	BL 550 BL 550	Knick	Knick Elektronische Messgeräte GmbH & Co. KG	KNICK.BL 550
==Knick =BasicLine ++BL 560 -T?	2	BasicLine BL 560 Repeater Power Supplies Modular housing, screw terminals, IP 20 protection	BL 560 BL 560	Knick	Knick Elektronische Messgeräte GmbH & Co. KG	KNICK.BL 560
==Knick =BasicLine ++BL 570 -T?	2	BasicLine BL 570 Universal Isolators Modular housing, screw terminals, IP 20 protection	BL 570 BL 570	Knick	Knick Elektronische Messgeräte GmbH & Co. KG	KNICK.BL 570

=DOC/3

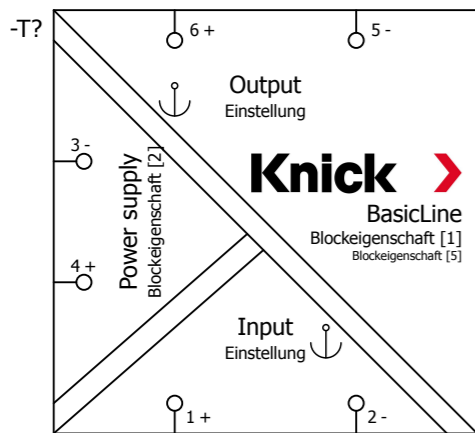
=BasicLine++BL 510/1

Date	17.03.2014	Knick Produktmakros BasicLine		Parts list	== Knick	Page 4	
Ed.	SHE				= PARTS		from 13
Appr					++		
Modification	Date	Name	Original	Replacement of	Replaced by	+	Page 1

Knick\BasicLine\BL 510\BL 510.ema  
 BasicLine BL 510  
 Isolation Amplifiers for Standard Signals  
 Modular housing, screw terminals, IP 20 protection  
 Variante A  
 Version 03/2014  
 Allpolig

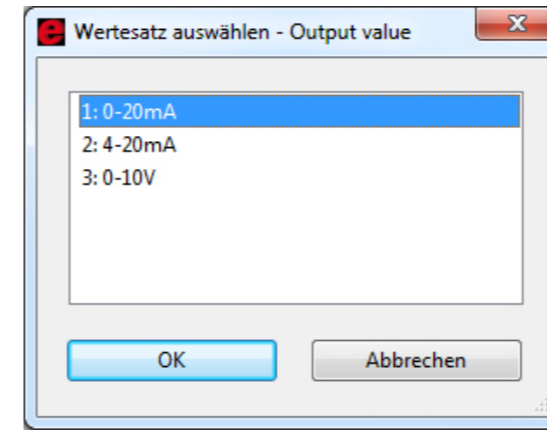
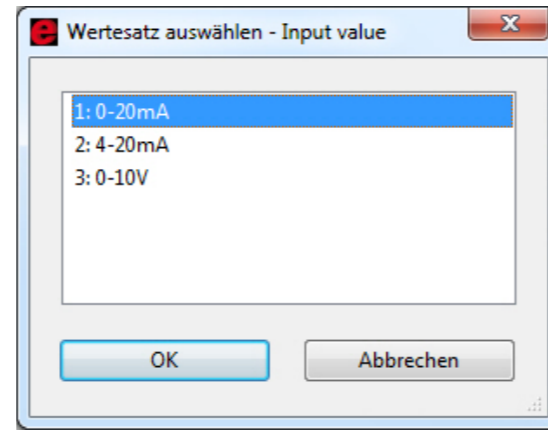
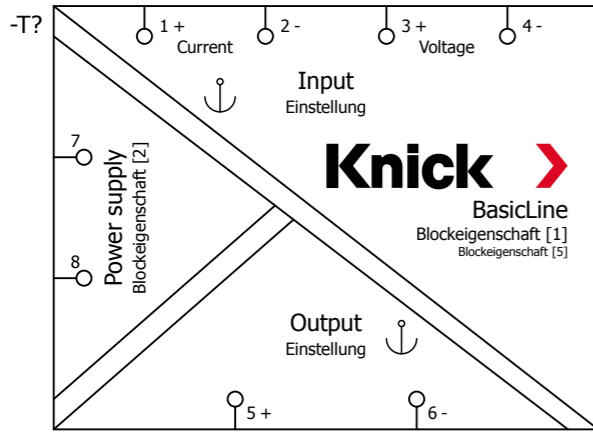


Knick\BasicLine\BL 510\BL 510.ema  
 BasicLine BL 510  
 Isolation Amplifiers for Standard Signals  
 Modular housing, screw terminals, IP 20 protection  
 Variante B  
 Version 03/2014  
 Allpolig

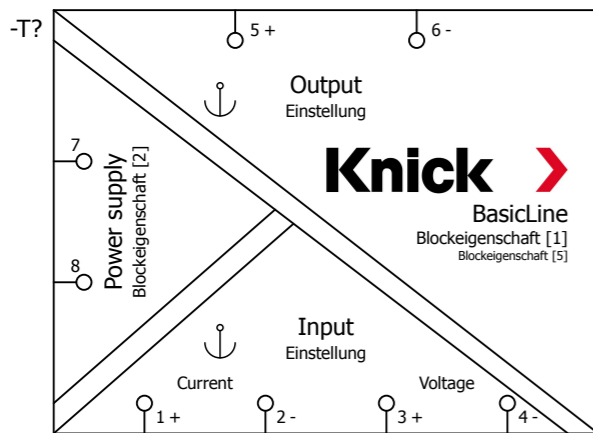


			Date	17.03.2014	Knick Produktmakros BasicLine		BasicLine BL 510	== Knick	Page 5	
			Ed.	SHE				= BasicLine		from 13
			Appr					++ BL 510		
Modification	Date	Name	Original		Replacement of	Replaced by		+	Page 1	

Knick\BasicLine\BL 513\BL 513.ema  
 BasicLine BL 513  
 Isolators for Standard Signals  
 Modular housing, screw terminals, IP 20 protection  
 Variante A  
 Version 03/2014  
 Allpolig



Knick\BasicLine\BL 513\BL 513.ema  
 BasicLine BL 513  
 Isolators for Standard Signals  
 Modular housing, screw terminals, IP 20 protection  
 Variante B  
 Version 03/2014  
 Allpolig



Date	17.03.2014
Ed.	SHE
Appr	
Modification	Date
Name	Original

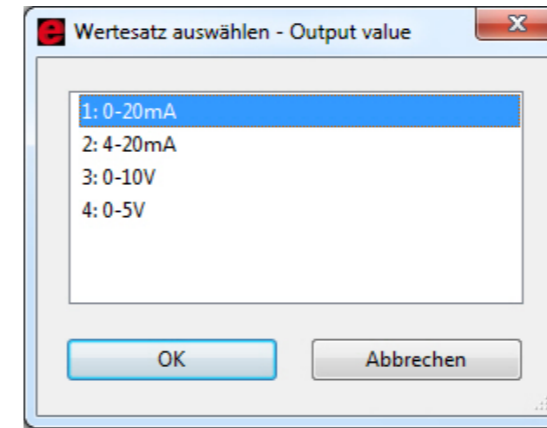
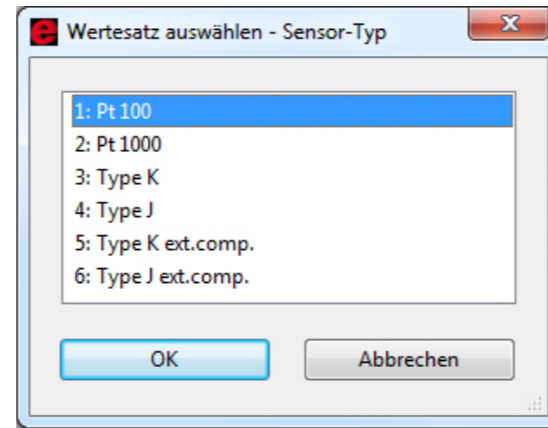
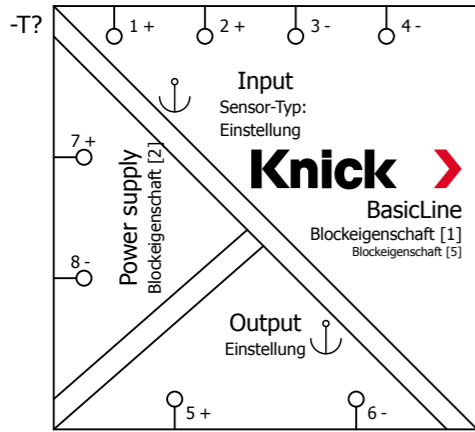
Knick Produktmakros BasicLine	
Replacement of	Replaced by



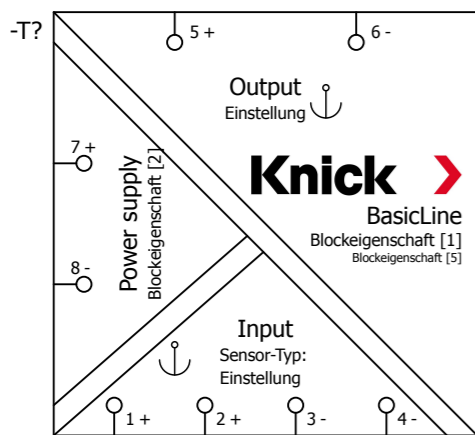
BasicLine BL 513
------------------

== Knick	Page	6
= BasicLine	from	13
++ BL 513	Page	1
+		

Knick\BasicLine\BL 520\BL 520.ema  
 BasicLine BL 520  
 Temperature Transmitters  
 Modular housing, screw terminals, IP 20 protection  
 Variante A  
 Version 03/2014  
 Allpolig

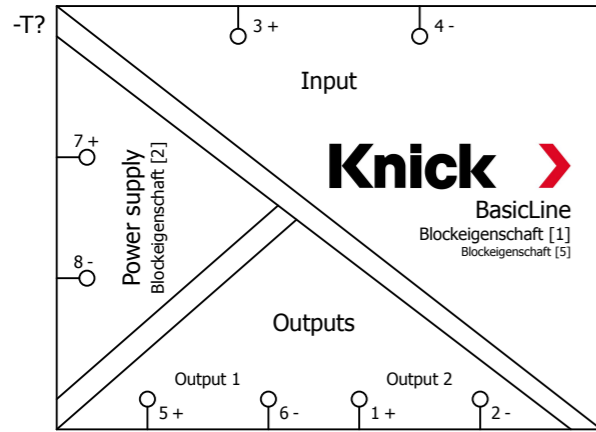


Knick\BasicLine\BL 520\BL 520.ema  
 BasicLine BL 520  
 Temperature Transmitters  
 Modular housing, screw terminals, IP 20 protection  
 Variante B  
 Version 03/2014  
 Allpolig

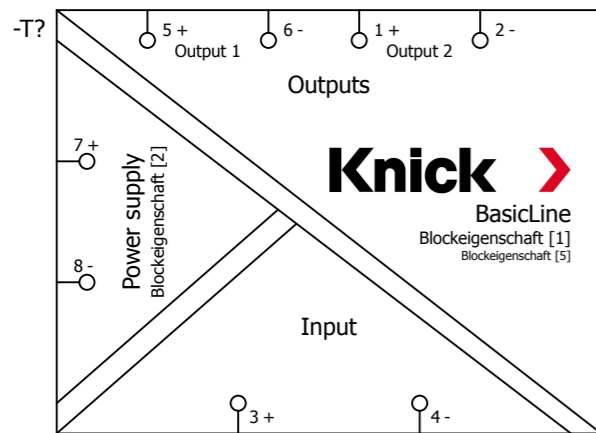


Date	17.03.2014	Knick Produktmakros BasicLine		BasicLine BL 520	== Knick	Page 7	
Ed.	SHE				= BasicLine		from 13
Appr					++ BL 520		
Modification	Date	Name	Original	Replacement of	Replaced by	+	Page 1

Knick\BasicLine\BL 530\BL 530.ema  
 BasicLine BL 530  
 Signal Doublers  
 Modular housing, screw terminals, IP 20 protection  
 Variante A  
 Version 03/2014  
 Allpolig



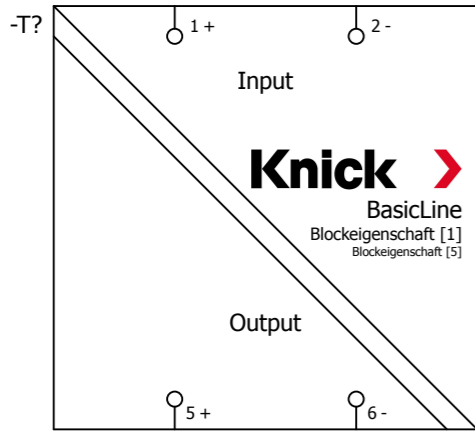
Knick\BasicLine\BL 530\BL 530.ema  
 BasicLine BL 530  
 Signal Doublers  
 Modular housing, screw terminals, IP 20 protection  
 Variante B  
 Version 03/2014  
 Allpolig



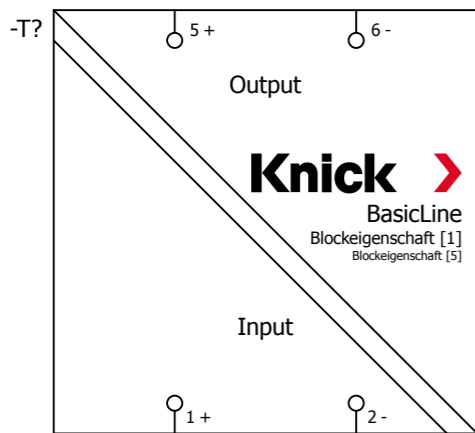
			Date	17.03.2014	Knick Produktmakros BasicLine		BasicLine BL 530	== Knick	Page 8	
			Ed.	SHE				= BasicLine		from 13
			Appr					++ BL 530		
Modification	Date	Name	Original		Replacement of	Replaced by		+	Page 1	



Knick\BasicLine\BL 541\_542\BL 541.ema  
 BasicLine BL 541  
 Loop Powered Isolators for Standard Signals  
 Modular housing, screw terminals, IP 20 protection  
 Variante A  
 Version 03/2014  
 Allpolig



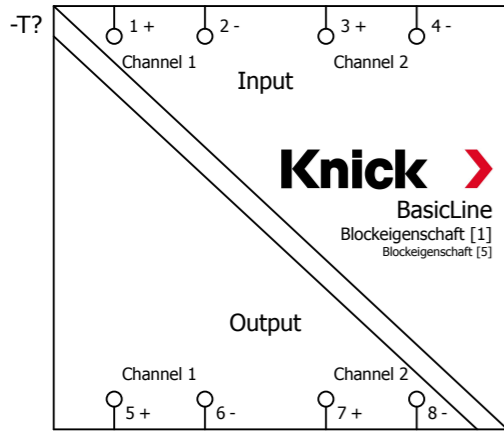
Knick\BasicLine\BL 541\_542\BL 541.ema  
 BasicLine BL 541  
 Loop Powered Isolators for Standard Signals  
 Modular housing, screw terminals, IP 20 protection  
 Variante B  
 Version 03/2014  
 Allpolig



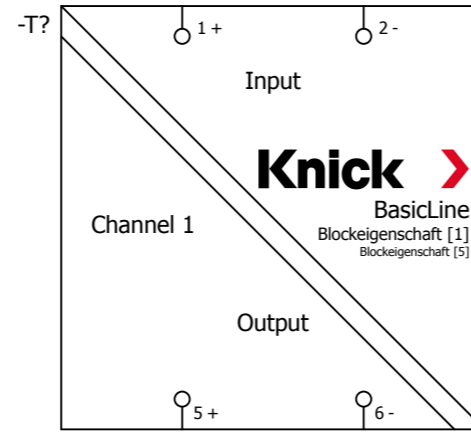
++BL 530/1

			Date	17.03.2014	Knick Produktmakros BasicLine		BasicLine BL 541	== Knick	Page	9	
			Ed.	SHE				= BasicLine		from	13
			Appr					++ BL 541_542			
Modification	Date	Name	Original		Replacement of	Replaced by		+	Page	1	

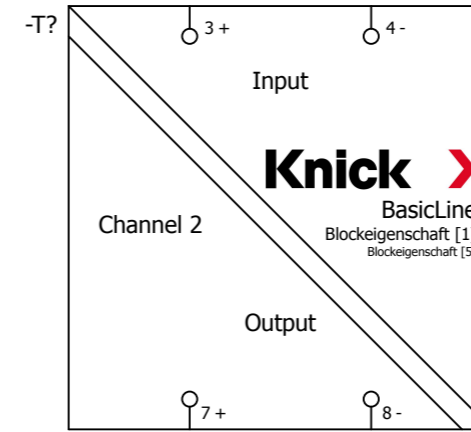
Knick\BasicLine\BL 541\_542\BL 542.ema  
 BasicLine BL 542  
 Loop Powered Isolators for Standard Signals  
 Modular housing, screw terminals, IP 20 protection  
 Variante A  
 Version 03/2014  
 Allpolig



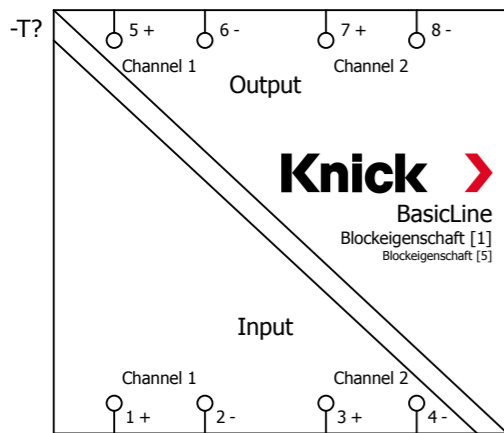
Knick\BasicLine\BL 541\_542\BL 542.ema  
 BasicLine BL 542  
 Loop Powered Isolators for Standard Signals  
 Modular housing, screw terminals, IP 20 protection  
 Variante B  
 Version 03/2014  
 Allpolig



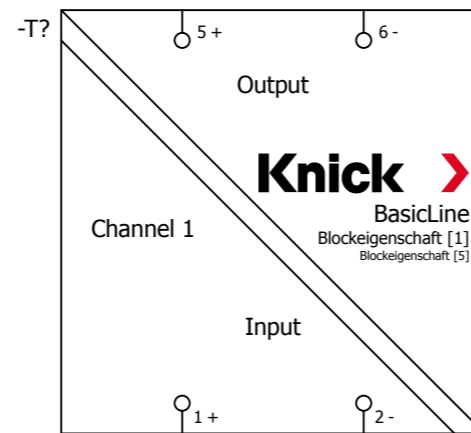
Knick\BasicLine\BL 541\_542\BL 542.ema  
 BasicLine BL 542  
 Loop Powered Isolators for Standard Signals  
 Modular housing, screw terminals, IP 20 protection  
 Variante C  
 Version 03/2014  
 Allpolig



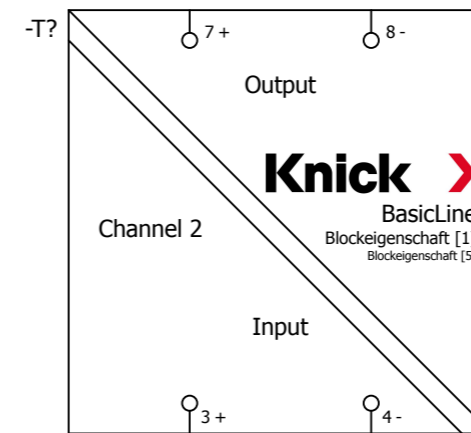
Knick\BasicLine\BL 541\_542\BL 542.ema  
 BasicLine BL 542  
 Loop Powered Isolators for Standard Signals  
 Modular housing, screw terminals, IP 20 protection  
 Variante D  
 Version 03/2014  
 Allpolig



Knick\BasicLine\BL 541\_542\BL 542.ema  
 BasicLine BL 542  
 Loop Powered Isolators for Standard Signals  
 Modular housing, screw terminals, IP 20 protection  
 Variante E  
 Version 03/2014  
 Allpolig

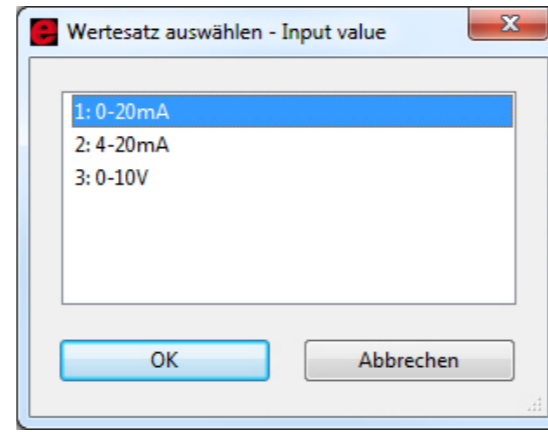
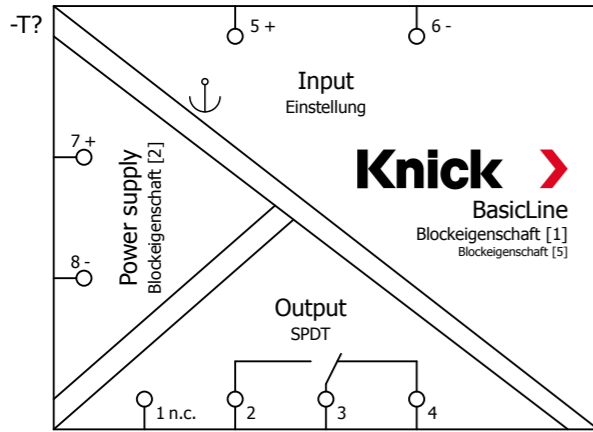


Knick\BasicLine\BL 541\_542\BL 542.ema  
 BasicLine BL 542  
 Loop Powered Isolators for Standard Signals  
 Modular housing, screw terminals, IP 20 protection  
 Variante F  
 Version 03/2014  
 Allpolig

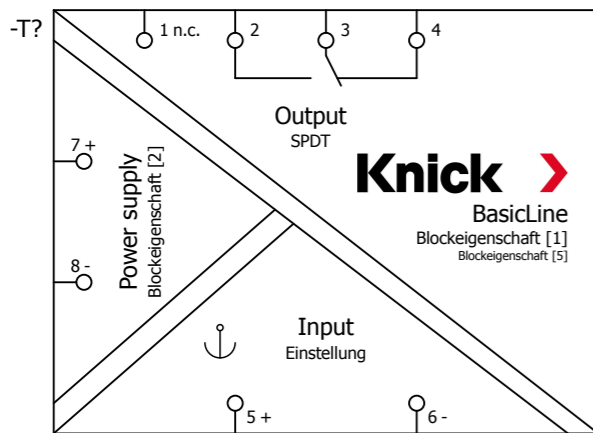


			Date	17.03.2014	Knick Produktmakros BasicLine		BasicLine BL 542		== Knick	Page 10
			Ed.	SHE			= BasicLine	from 13		
			Appr				++ BL 541_542			
Modification	Date	Name	Original	Replacement of	Replaced by	+	Page 2			

Knick\BasicLine\BL 550\BL 550.ema  
 BasicLine BL 550  
 Set-Point Alarm Relays  
 Modular housing, screw terminals, IP 20 protection  
 Variante A  
 Version 03/2014  
 Allpolig



Knick\BasicLine\BL 550\BL 550.ema  
 BasicLine BL 550  
 Set-Point Alarm Relays  
 Modular housing, screw terminals, IP 20 protection  
 Variante B  
 Version 03/2014  
 Allpolig



Date	17.03.2014
Ed.	SHE
Appr	
Modification	Date
Name	Original

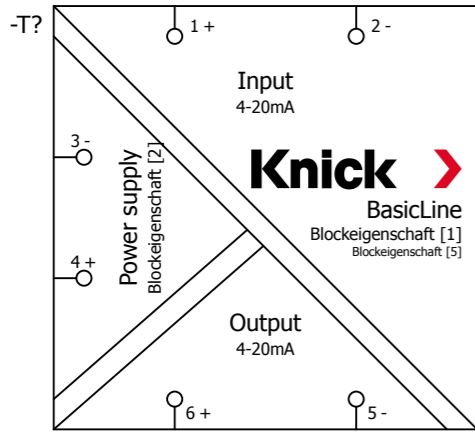
Knick Produktmakros BasicLine	
Replacement of	Replaced by



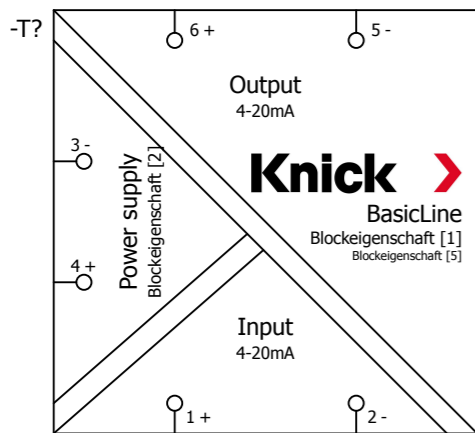
BasicLine BL 550

== Knick	Page	11
= BasicLine	from	13
++ BL 550		
+	Page	1

Knick\BasicLine\BL 560\BL 560.ema  
 BasicLine BL 560  
 Repeater Power Supplies  
 Modular housing, screw terminals, IP 20 protection  
 Variante A  
 Version 03/2014  
 Allpolig



Knick\BasicLine\BL 560\BL 560.ema  
 BasicLine BL 560  
 Repeater Power Supplies  
 Modular housing, screw terminals, IP 20 protection  
 Variante B  
 Version 03/2014  
 Allpolig



Modification	Date	Name	Original

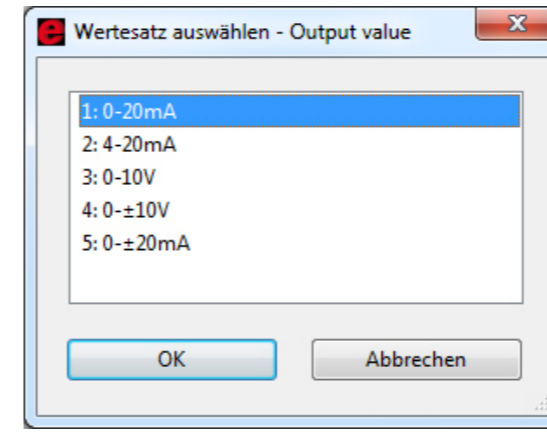
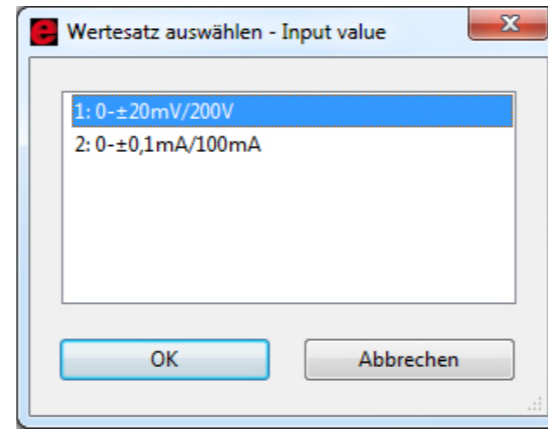
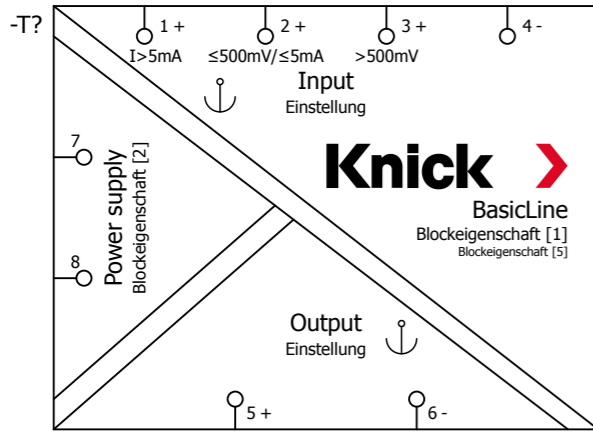
Date	17.03.2014
Ed.	SHE
Appr	
Replacement of	Replaced by



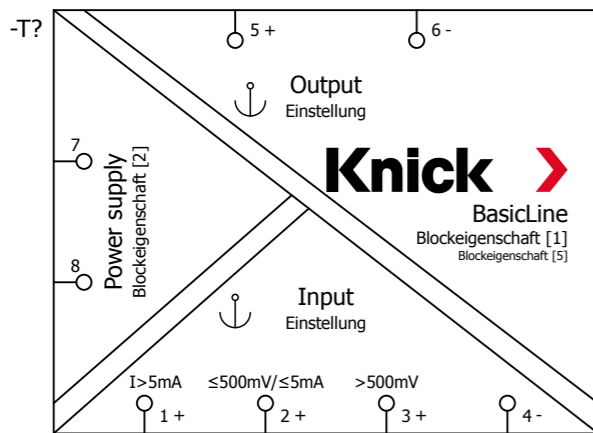
BasicLine BL 560

== Knick	
= BasicLine	Page 12
++ BL 560	from 13
+	Page 1

Knick\BasicLine\BL 570\BL 570.ema  
 BasicLine BL 570  
 Universal Isolators  
 Modular housing, screw terminals, IP 20 protection  
 Variante A  
 Version 03/2014  
 Allpolig



Knick\BasicLine\BL 570\BL 570.ema  
 BasicLine BL 570  
 Universal Isolators  
 Modular housing, screw terminals, IP 20 protection  
 Variante B  
 Version 03/2014  
 Allpolig



++BL 560/1

			Date	17.03.2014	Knick Produktmakros BasicLine		BasicLine BL 570	== Knick	Page	13	
			Ed.	SHE				= BasicLine		from	13
			Appr					++ BL 570			
Modification	Date	Name	Original		Replacement of	Replaced by		+	Page	1	