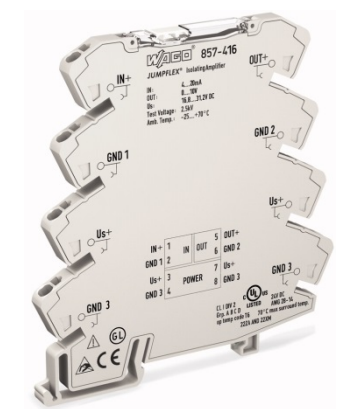
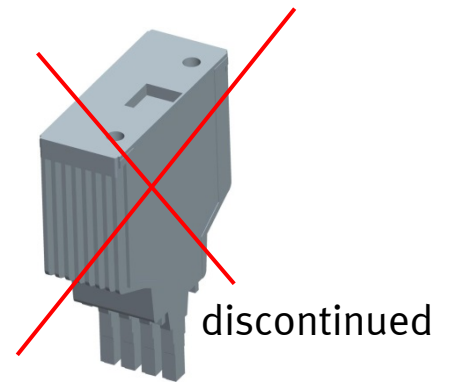




Flow rate sensor and transducer frequency-voltage

Phase-out process – comparison – and information for spare part assembly and wiring

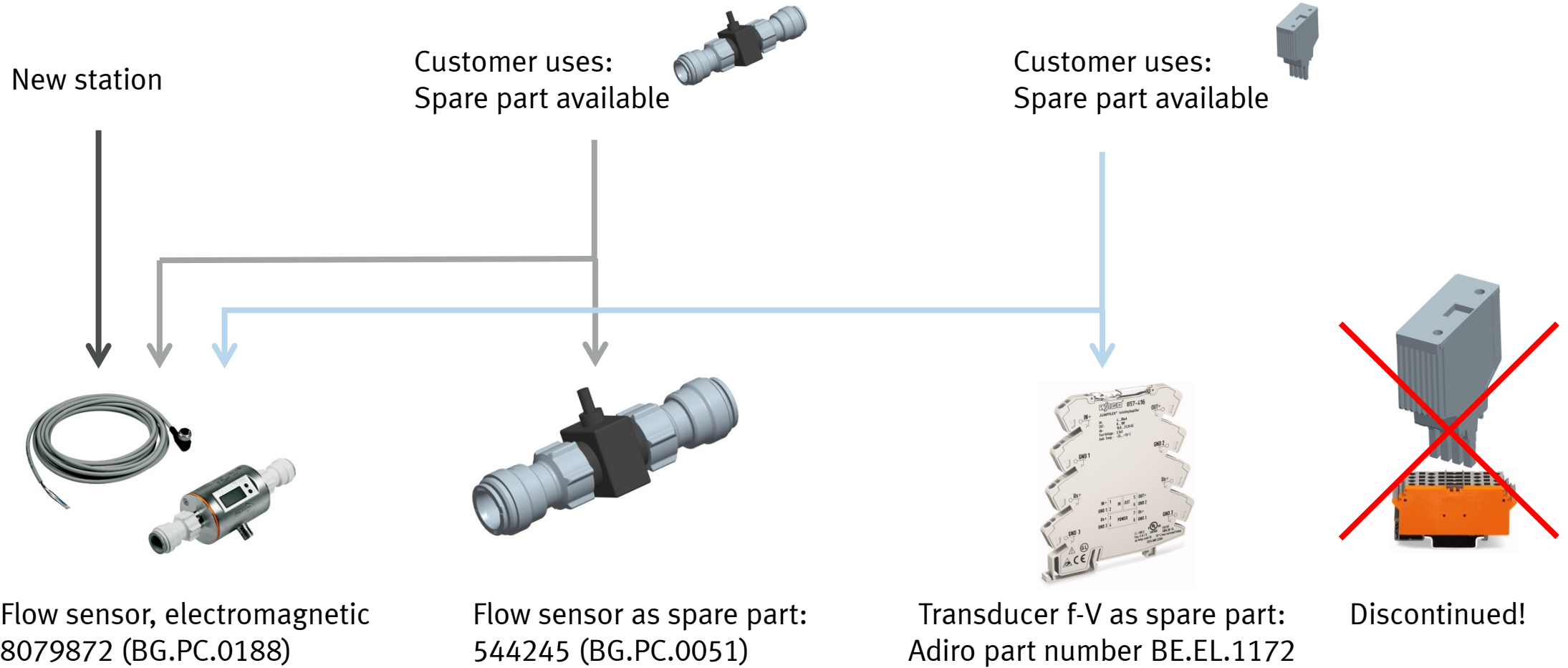
Version: 8.11.2018



Technical specification - comparison

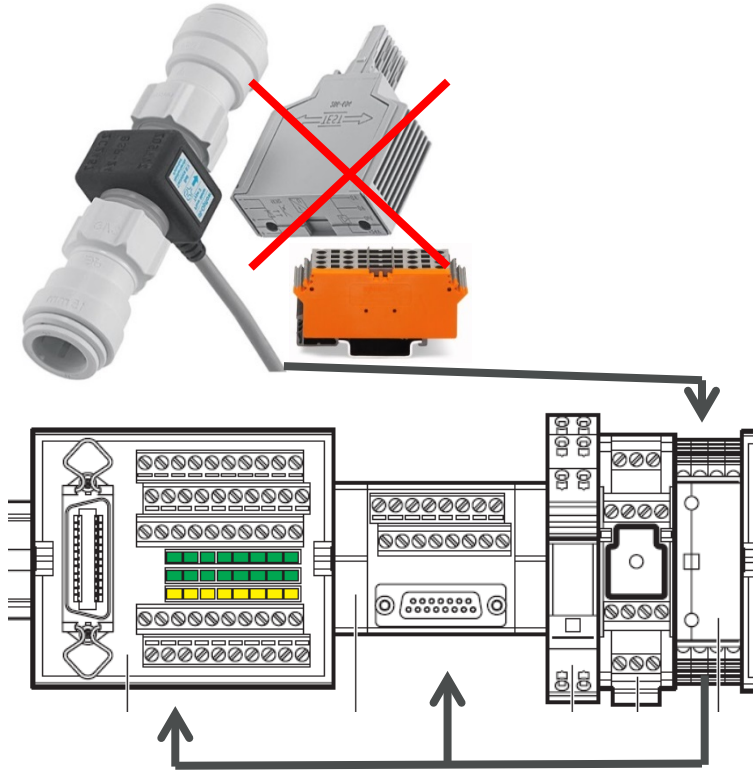
				
	OLD		NEW	
Part number – Adiro:	BG.PC.0057		BG.PC.0188	
Part number – Festo Didactic:	549825		8079872	
Measure range:	0,3 – 9 l/min; 0,3 – 7,5 l/min with convertor		0,1 – 25 l/min to 0 - 10l/min (parameterizable)	
Output signal:	0...1200HZ ; 0 – 10 V with convertor		0 - 10V	
Supply voltage:	24V		24V	
measuring principle:	Turbine + measuring convertor		Magnetic-inductive	
Length incl. piping connectors:	117mm		185mm	
special feature:			with IO-Link, on-site display, volumetric flow quantity, total quantity and temperature indication, High accuracy, repeatability and measurement dynamics with switching output, analogue output and pulse output, parameterizable	

Phase-out and spare part process – possibilities

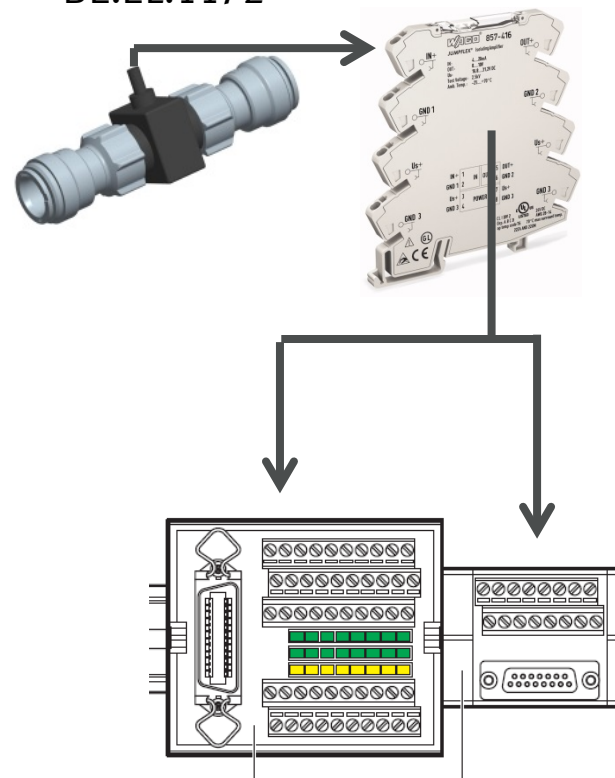


Wiring – replace transducer f-V only

Flow sensor with old transducer f-V
544245 (BG.PC.0051)

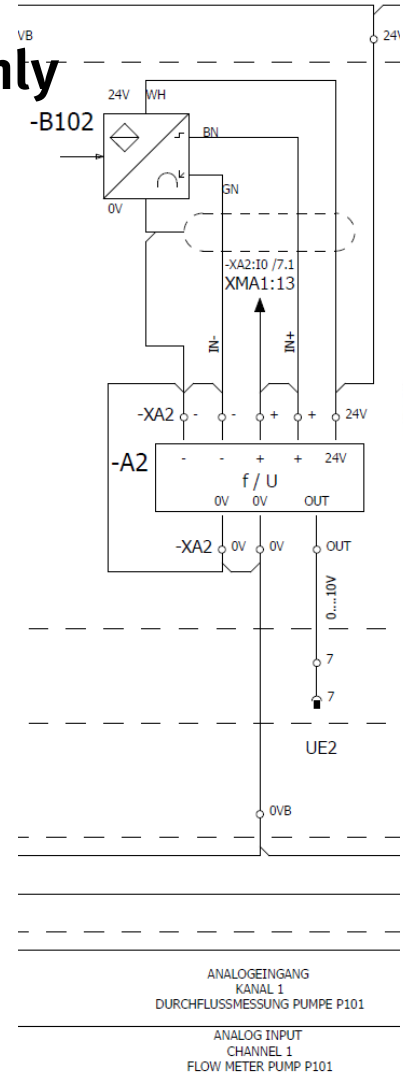


Flow sensor with new transducer f-V
BE.EL.1172

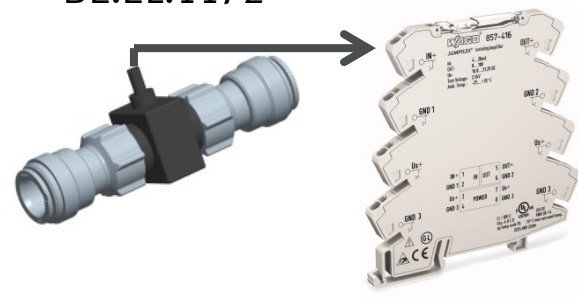


Wiring – replace transducer f-V only

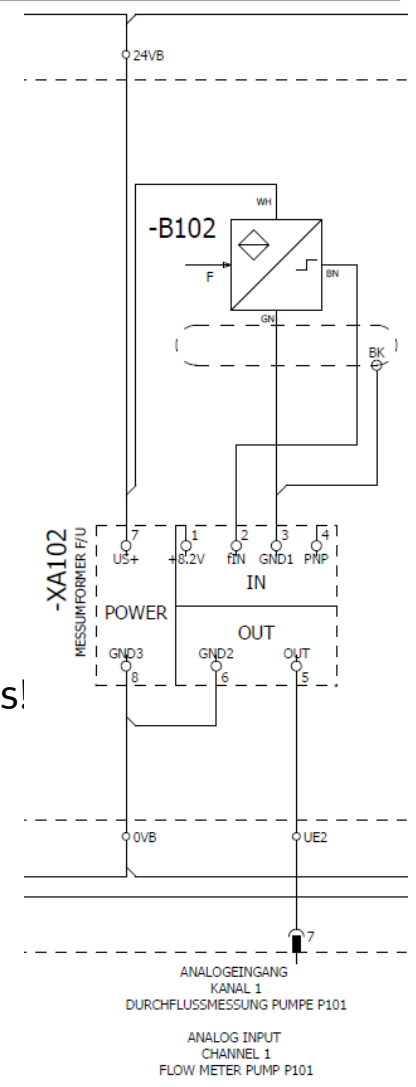
Flow sensor with transducer f-V
544245 (BG.PC.0051)



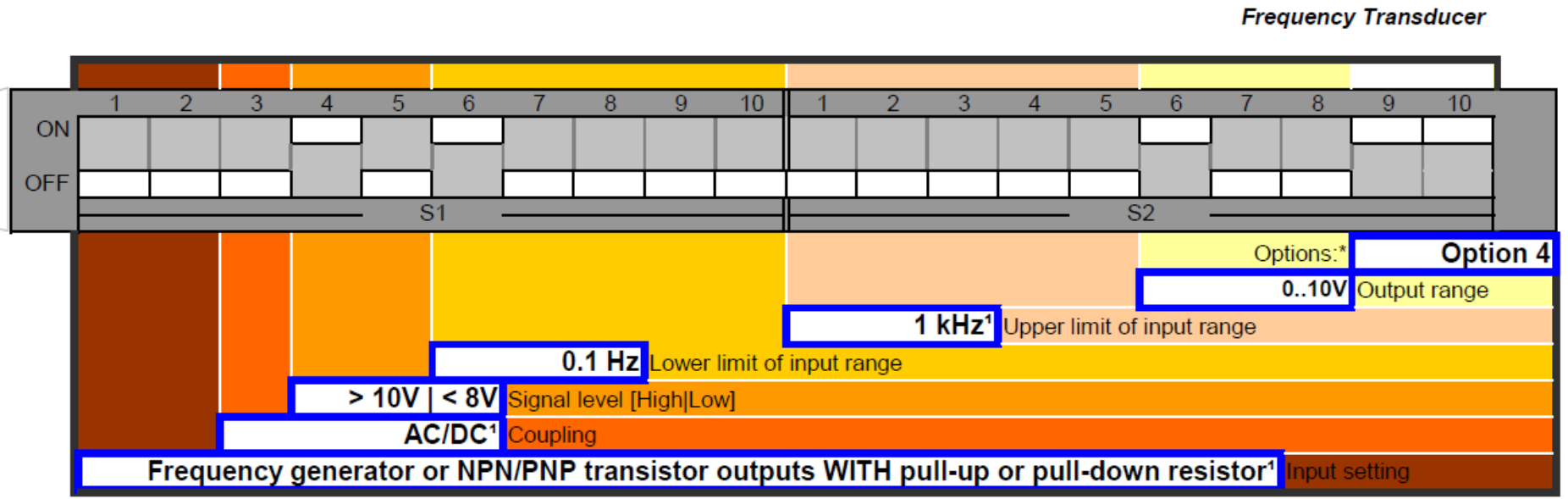
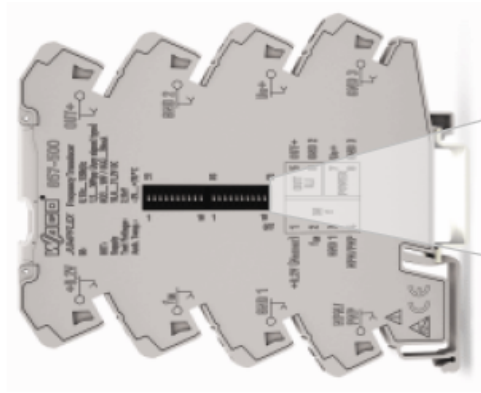
Flow sensor with new transducer f-V
BE.EL.1172



- Steps:
1. Remove old transducer and socket
 2. Check/set parameters with DIP-switches!
 3. Install new transducer
 4. Rewire new transducer to SysLink and Analogue terminal
 5. Rewire sensor to new transducer

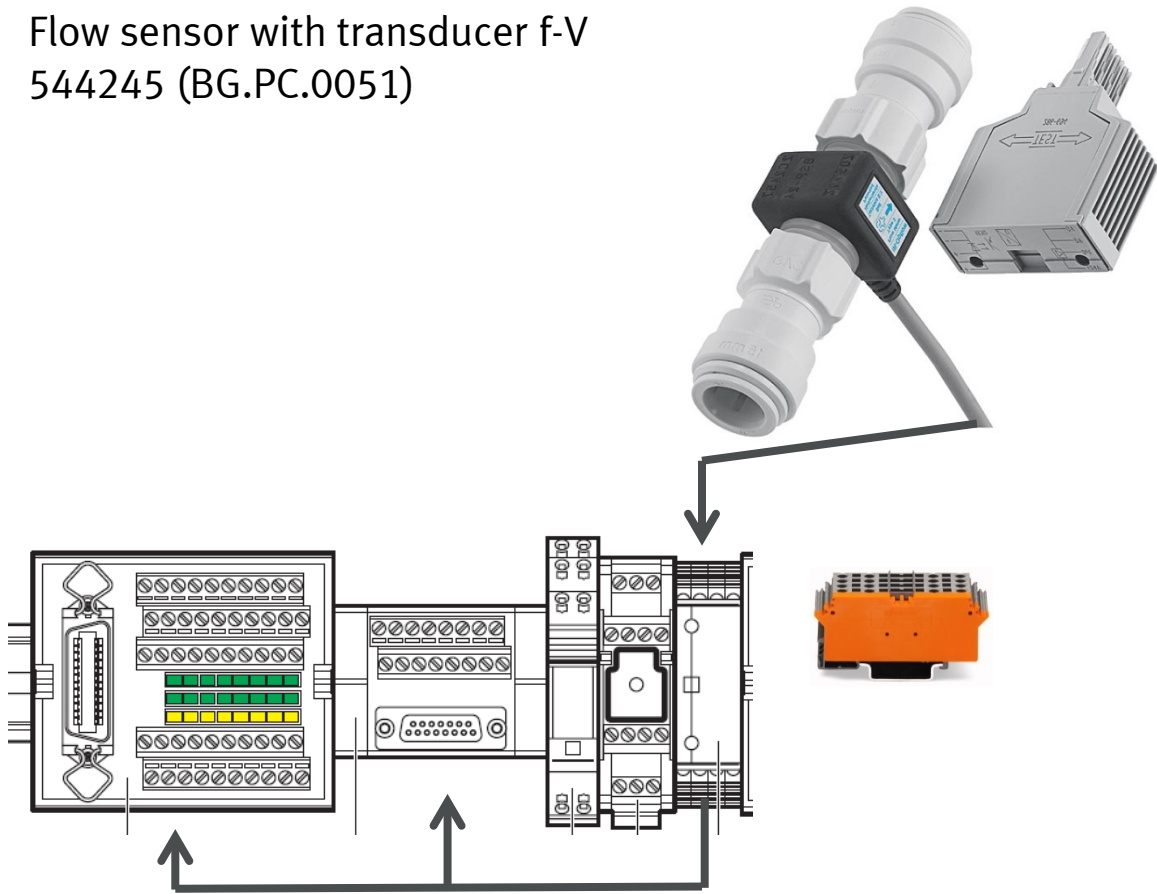


Parameter – setup DIP-switches of transducer f-V

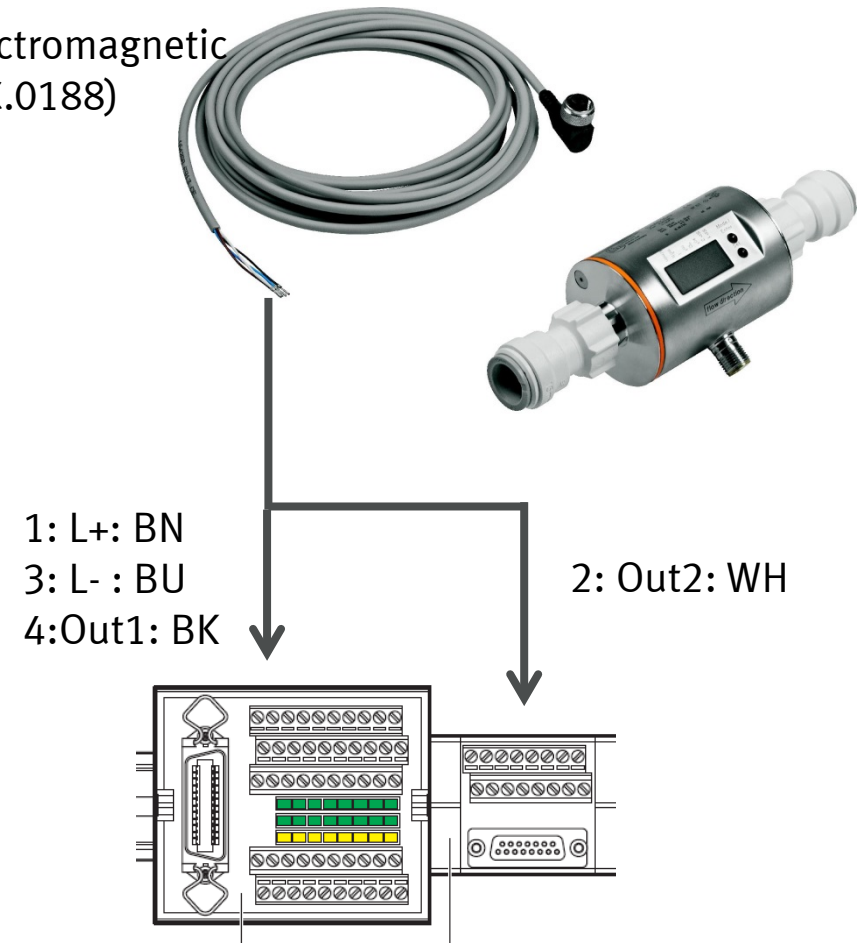


Wiring – replace sensor completely

Flow sensor with transducer f-V
544245 (BG.PC.0051)

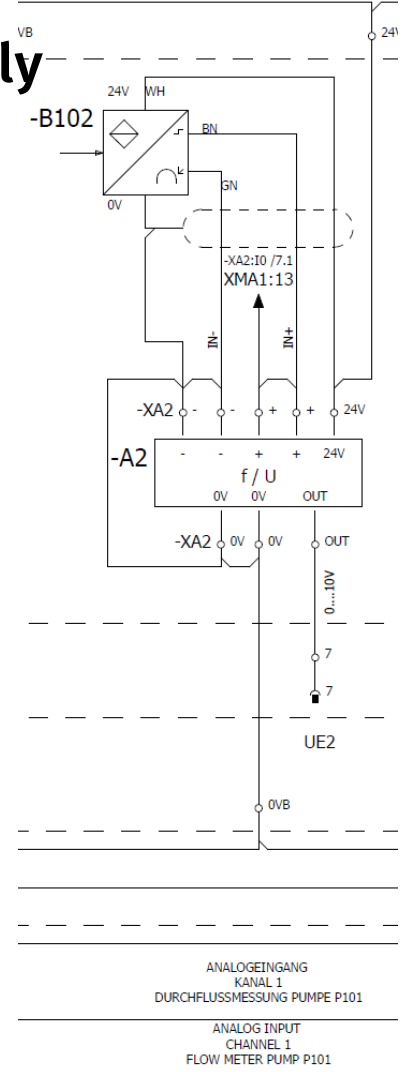


Flow sensor, electromagnetic
8079872 (BG.PC.0188)



Wiring – replace sensor completely

Flow sensor with transducer f-V
544245 (BG.PC.0051)

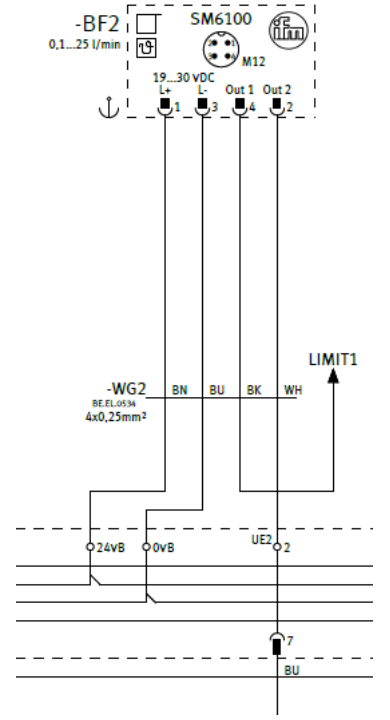


Flow sensor, electromagnetic
8079872 (BG.PC.0188)

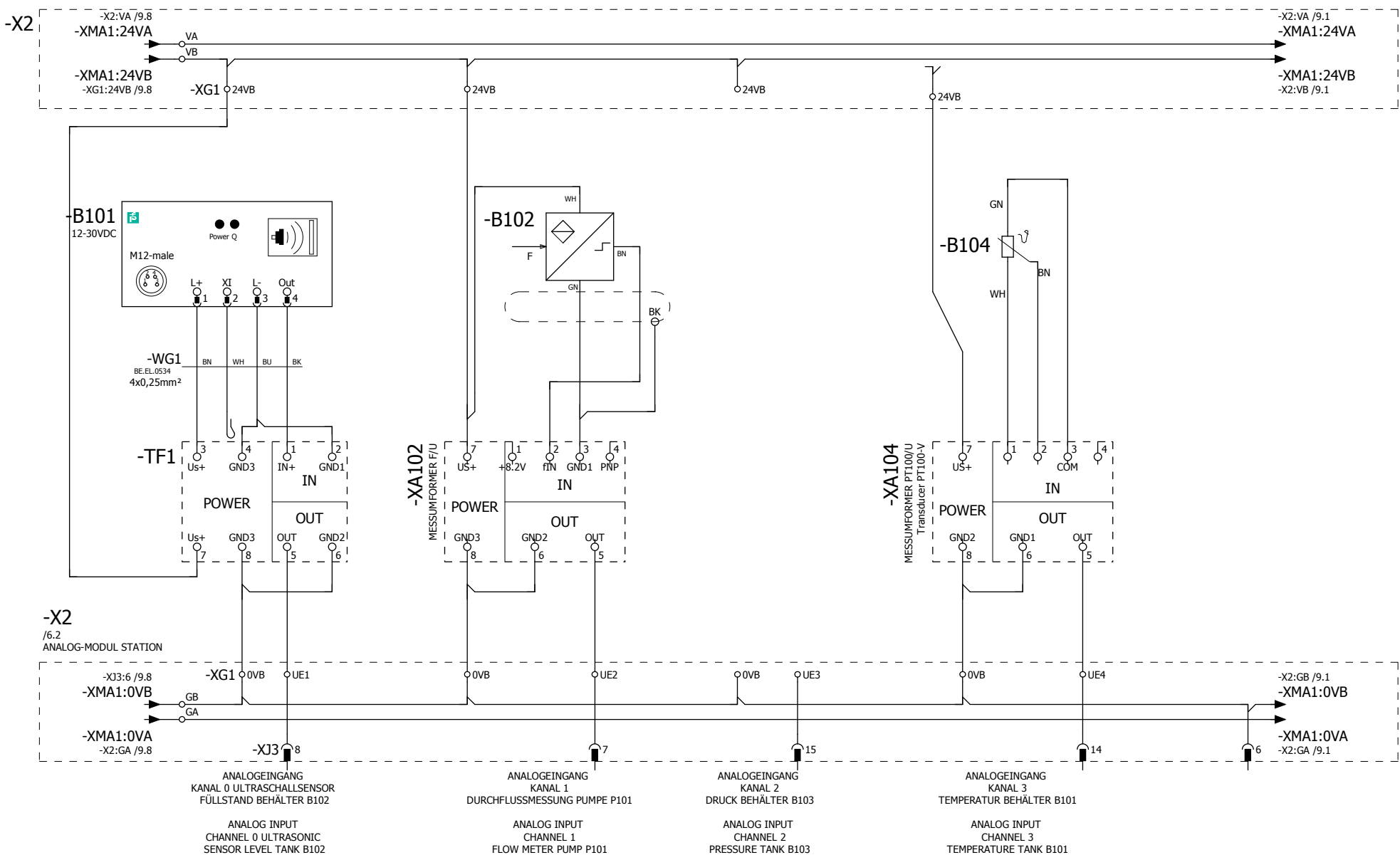


- Steps:
1. remove old sensor and transducer
 2. install new sensor
 3. wire cable to Syslink and Analogue terminal
 4. Check parameter settings according to data sheet

UE2 (AI CH1)
Durchflusssensor
0-10 V -> 0-10 l/min
UE2 (AI CH1)
Flow sensor
0-10 V -> 0-10 l/min



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ANALOG-INGANG
KANAL 0 ULTRASCHALLSENSOR
FÜLLSTAND BEHÄLTER B102

ANALOG INPUT
CHANNEL 0 ULTRASONIC
SENSOR LEVEL TANK B102

ANALOG-INGANG
KANAL 1
DURCHFLOßMESSUNG PUMPE P101

ANALOG INPUT
CHANNEL 1
FLOW METER PUMP P101

ANALOG-INGANG
KANAL 2
DRUCK BEHÄLTER B103

ANALOG INPUT
CHANNEL 2
PRESSURE TANK B103

ANALOG-INGANG
KANAL 3
TEMPERATUR BEHÄLTER B101

ANALOG INPUT
CHANNEL 3
TEMPERATURE TANK B101

Datum	31.01.2018
Bearb.	hel
Erst.	hel
Ze.Nr.	PC.K0.0012

Festo Didactic SE
Rechbergstraße 3
D-73770 Denkendorf



ANALOG-INGÄNGE/ANALOG INPUTS
MPS-PA Compact Workstation

S-Nr.	-
PSP / DPJ	-
VN	C41001

PROCESS AUTOMATION

=CWS
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