



Low Water Limiter Probe

DP121

Application and function

In conjunction with the DLL self-monitoring low water level limiter, the low water limiter probe is a limiter with safety function in accordance with the EC Directive 2014/68/EC (PED) (special design according to Water Level 100). Conformity (CE marking) is certified in accordance with Annex III, Modules B+D (Category IV); notified body NB 0035. Regulations applied: corresponding DIN EN standards.

Technical basic equipment

Mechanical connection	G 1/2"	
Electrical connection	CAN-Bus according to DIN ISO 11898 Electrical connector	
Material	Electrical housing	Stainless steel
	Electrical rod	Stainless steel
	Electrode extension	Stainless steel
	Insulator	PTFE
	Plug / socket	PA66, Zinc die cast

Electrical data

Responsiveness	>0.5µS/cm at 25°C
Power supply	24V
Power consumption	0.6W
Data exchange	CAN-Bus in accordance with DIN ISO 11898, CANopen protocol
Electrical connection	CAN-Bus in accordance with DIN ISO 11898
Protection class	IP65 in accordance with DIN EN 60529
Allowable temperature:	0°C to 85°C
Self-test	every 3sec



- EU-Type-Approval
- SIL 3
- Production monitored

Edition 01/2021
Subject to change without a note!

Technical data

Component identification mark / EC type-examination	01 202 931-B-12-0012 CE 0035					
Allowable pressure	PS [bar]	50	80	100	160	200
Allowable temperature	TS [°C]	265	296	312	346	367
Plug / socket	M12; 5-polig; A-coded					
Protection class in accordance with DIN VDE 0470	IP65					
Allowable temperature at the plug	85°C					

Construction dimensions Y [mm] min. 150		
1700	With protection tube > DN80	vertical installation position
800	With protection tube DN50	vertical installation position
800	With protection tube DN50/DN100	installation position inclined up to 45°

Additional

- If shut-off valves are mounted between the process connections of the add-on-housing and the boiler supports, an electric locking system (end switch) has to be installed.
- A drain valve is to be mounted to the add-on-housing.
- Use in mounting supports if the boiler support corresponds to the representations according to data sheet.
Protective tube K, flange, screws, nuts and seals can also be supplied.
- For electrode support flange see separately data sheet.

Digital Documentation

