

DP121 Low Water Limiter Probe

Application and function

In conjunction with the self-monitoring low water level limiter DLL, the low water limiter probe is a limiter with safety function in accordance with the EC Directive 2014/68/EU (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.

Standard technical equipment

Mechanical connection	G ½	
Power connection	CAN-Bus according to DIN ISO 11898 Electrical connector	
Materials	Electrode housing	stainless steel
	Electrode rod	stainless steel
	Electrode extension	stainless steel
	Insulator	Ceramic
	Plug / socket	PA66, zinc diecasting

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 ambient temperature:	0° C to 85° C
Self-test	every 3sec



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

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-pole; 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 protective tube > DN80	vertical installation position
800	with protective tube DN50	vertical installation position
800	with protective tube DN50/100	installation position inclined up to 45°

Addition

- 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 D-08-D-16351-0.
Protective tube K, flange, screws, nuts and seals can also be supplied.
- For electrode support flange see Data Sheet D-08-D-22510-0

