

Level probe type EL4-1

Application and function

The level probe type EL4-1 serves as primary element for the following controllers

LMC1	Low water level limiter
DHR1	2-point water level controller with HWL-alarm
DLR1	2-point water level controller with LWL-alarm
DS1	LWL and HWL signaling

Technical basic equipment

Mechanical connection	G ½ (SW27)	
Electrical connection	Plug connection with screw terminals, traction relief	
Material	Probe housing	stainless steel
	Probe rod	stainless steel
	Probe extension	stainless steel
	Insulator	Ceramic
	Socket	Polyamid
	Sealing ring	Soft iron

Technical data

Allowable pressure	PS [bar]	50	80	100	160	200
Allowable temperature	TS [° C]	265	296	312	346	367
Cable gland		M16x1,5				
Protection as per DIN VDE 0470		IP65				
Allowable temperature on plug		100° C				
Dimension Y [mm] min. 105						
1700	with protection tube > DN80	vertical installation position				
800	with protection tube DN50	vertical installation position				
800	with protection tube DN50/100	inclined installation up to 45°				

The component mark is only valid:

- For standpipes: if shutoff valves have been installed between connection flanges and boiler nozzles. A drain valve is also required
- For nozzels: if boiler nozzle corresponds to the construction according to data sheet D-08-D-16351-0.
- Protection tube K, flanges, screws, nuts and sealings can be delivered too.
- For probe installation see data sheet D-08-D-16352-0

