

Inline-Compact • Digital display

Series SDN - Flow controller

Flow- and temperature monitoring
of water and water-glycol mixtures

Programmable

Analog / temperature output

2x PNP output flow

2x PNP output temperature



Design	SDN 554... GPP			SDN 552... GAA		
Dimensions						
Medium	water / glycol (0, 5, ..., 25, 30%)					
Working range [l/min]	1...10	2...20	4...40	1...10	2...20	4...40
Outer diameter pipe [mm]	10	15	18	10	15	18
Pipe connection	tube fittings for steel tubes according to DIN 2391 / ISO 3304					
Output flow	2x PNP NC / NO, progr.			4...20 mA, linear		
Output temperature	2x PNP NC / NO, progr.			4...20 mA, linear		
ID-No.	P11313	P11314	P11315	P11316	P11317	P11318
Type	SDN 554/1 GPP	SDN 554/2 GPP	SDN 554/3 GPP	SDN 552/1 GAA	SDN 552/2 GAA	SDN 552/3 GAA
Supply voltage [V]	24 DC ±10%			24 DC ±10%		
Current consumption [mA]	<100			<100		
Switching current [mA]	100			-		
Load R _L [Ω]	-			200...500		
Ambient temperature [°C]	0...+60			0...+60		
Medium temperature [°C]	-10...+90			-10...+90		
Temperature gradient [K/min]	400			400		
Start-up time [s]	6...10			6...10		
Reaction time [s]	1...8			1...8		
Programmable functions	glycol percentage, adjustable to reference, averaging, access code. only SDN 554: switching point, hysteresis, switching output, time on/off delay.					
Temperature control [°C]	-9,8...90, 2 switching points			-10...90, analog, programmable		
Compressive strength [bar]	20					
Material	housing: PBT sensor: AISI 316 Ti / FKM					
Protection [EN 60529]	IP 65					
Connection	M12 connector					
Accessories	mounting plate, connecting cable type SLG (page 1.78), adapter G1/2, adapter G1/4 (page 1.82)					