

## Inline-Compact • Micro flow

### Series SDN 500

DC 24 V

PNP output • Relais output

Analog output

G1/4 thread

Detection of micro flow pulses

Fast reaction time - high sensitivity



Design	G1/4 pulse detection	G1/4		
Dimensions				
Detection range [ml/min]	ab 0.02 ml/100 ms	0.1...500		
Working range [ml/min]	ab 0.04 ml/100 ms	1...200		
Inner diameter d [mm]	4	3.6		
Maximum flow [l/h]	300	100		
Output				
ID-No.	P11372 *	P11329 *	P11330	P11331 *
Type	SDN 503/1 GSP-DYN	SDN 503/1 GSP	SDN 503/1 GR	SDN 503/1 GA
Supply voltage [V]	24 DC ±10%	24 DC ±10%	24 DC ±10%	24 DC ±10%
Current consumption [mA]	< 50	< 50	< 50	< 50
Switching voltage [V]	-	-	30 AC/36 DC	-
Switching current [mA]	200 (20 °C)	200 (20 °C)	1000	-
Load R <sub>L</sub> [Ω]	-	-	-	200...500
Ambient temperature [°C]	0...+60	-	0...+60	-
Medium temperature [°C]	-20...+80	-	0...+60	-
Temperature gradient [K/min]	-	-	400 (> 100 ml/min)	-
Start-up time [s]	5...15	-	5...60	-
Reaction time [s]	< 0.1	-	0.5...10	-
Compressive strength [bar]	20	-	10	-
Display flow	LED-array			
Material	housing: PBT sensor: AISI 316 Ti			
Protection [EN 60529]	IP 67			
Connection	M12 connector			
*  US LISTED E304328	<p>The SDN 503/1 GSP-DYN detects increasing in flow. The switch-off delay is adjustable between 0.5...10 s</p>			
Accessories	connecting cable type SLG, SLW, SBG, SBW, see page 1.99			