

Inline-Compact • Micro flow

Series SDN - Flow controller

DC 24 V

PNP output • Relais output

Analog output

G1/4 thread

Fast reaction time - high sensitivity

Detection of micro flow pulses



Design	G1/4 Pulse detection		G1/4		
Dimensions					
Detection range [ml/min]	from 0.02 ml / 100 ms		0.1...500		
Working range [ml/min]	from 0.04 ml / 100 ms		1...200		
Inner diameter d [mm]	4		3.6		
Maximum flow [l/h]	300		100		
Output	 PNP		 PNP	 Relay	 4...20 mA, non linear
ID-No.	P11256 *		P11329 *	P11330	P11331 *
Type	SDN 504 GSP-DYN		SDN 503/1 GSP	SDN 503/1 GR	SDN 503/1 GA
Switching current [mA]	200		200	1000	-
Switching voltage [V]	-		-	30 AC / 36 DC	-
Load R _L [Ω]	-		-	-	200...500
Supply voltage [V]	24 DC ±10%		24 DC ±10%		
Current consumption [mA]	<50		<50		
Ambient temperature [°C]	0...+60		0...+60		
Medium temperature [°C]	-20...+80		0...+60		
Temperature gradient [K/min]	-		400 (min. 100 ml/min)		
Start-up time [s]	5...15		5...20		
Reaction time [s]	<0.1		0.5...3		
Compressive strength [bar]	20		10		
Display flow	LED				
Material	housing: PBT sensor: AISI 316 Ti				
Protection [EN 60529]	IP 67				
Connection	M12 connector				
* 	The SDN 504 GSP-DYN detects increasing in flow. The switch-off delay is adjustable between 0.5...10 s.				
Accessories	connecting cable type SLG, SLW, SBG, SBW, see page 1.78				