



## Inline Compact Flow Sensors SDN 515 - 520

Flow monitor according to the thermodynamic principle for liquids








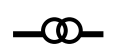
- G $\frac{1}{2}$  ", G $\frac{3}{4}$  "
- No mechanically moving parts
- Short reaction time
- Integrated electronics
- Compact design

D-EN-SDN515-520-20190329



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Technical data						
Design	G <sup>1</sup> / <sub>4</sub> - Ø 15mm			G <sup>3</sup> / <sub>4</sub> - Ø 19mm		
Detection range [l/min]	2...25			3...40		
Working range [l/min]	3...20			4...30		
Inner diameter [mm]	15			19		
Maximum flow [l/h]	4000			7500		
Output						
	PNP	Relais	4-20mA	PNP	Relais	4-20mA
Type	SDN 515 GSP	SDN 515 GR	SDN 515 GA	SDN 520 GSP	SDN 520 GR	SDN 520 GA
ID-No.	<b>P11284*</b>	<b>P11288</b>	<b>P11268*</b>	<b>P11285*</b>	<b>P11289</b>	<b>P11267*</b>
Supply voltage [V]	24 DC ±10%					
Current consumption [mA]	<50					
Switching voltage [V]	-	30AC/36DC	-	-	30AC/36DC	-
Switching current [mA]	200 (20°C)	1000	-	200 (20 °C)	1000	-
Load R <sub>L</sub> [Ω]	-	-	200...500	-	-	200...500
Ambient temperature [°C]	0...+60					
Medium temperature [°C]	0...+80					
Temperature gradient [K/min]	400 (>7 l/min)			400 (>10 l/min)		
Start-up time typ. [s]	5...15					
Reaction time typ. [s]	0,5...10					
Compressive strength [bar]	20					
Display flow	LED-array					
Sensor material	AISI 316 Ti / FPM					
Housing materialf	PBT					
Protection [EN 60529]	IP67					
Connection	M12 connector					

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Technical data	
Dimensions	
<p>*                        E304328</p>	

Accessories	
Type	
SLG	Connecting cable
SLW	Connecting cable

### Important instructions!

Technical changes and errors reserved.

Pictures can be similar.

The operating instructions belonging to this device must be observed! Download at [www.schmidt-messtechnik.com](http://www.schmidt-messtechnik.com).