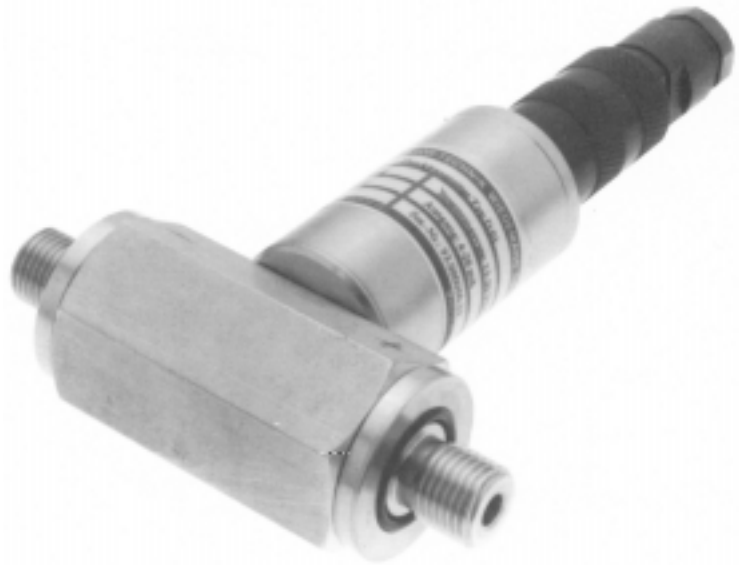


Differential pressure transmitter model D01

- piezoresistive measuring element
- rugged, compact construction
- stainless steel diaphragm and housing
- high accuracy



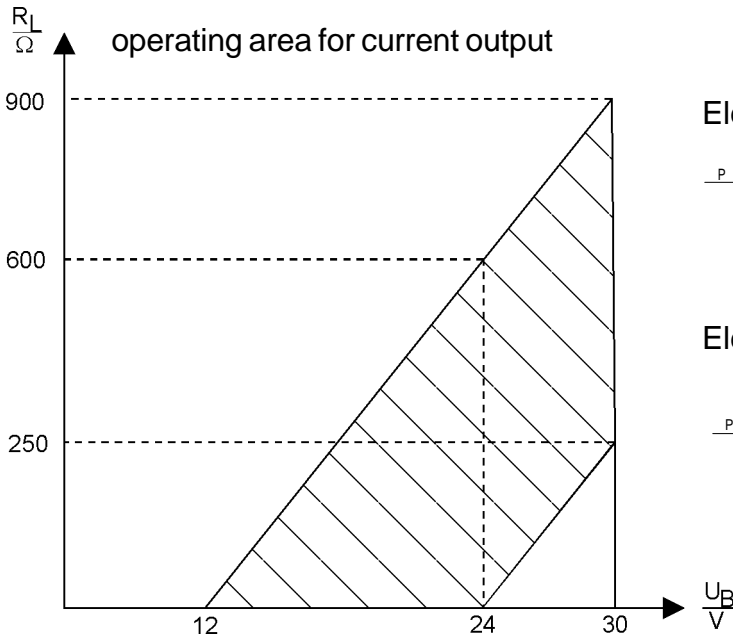
Applications

Machine tool engineering, plant construction, filter controlling, fluid-flow measuring

Technical specifications

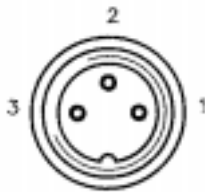
Differential pressure range		0..0.1 to 0..20		special pressure ranges without extra charge					
Standard pressure range	bar	0.1	0.2	0.5	1.0	2.0	5.0	10	20
Overload pos. side versa neg. side	bar	2.5	2.5	2.5	3	4	7	15	30
Overload neg. side versa pos. side	bar	1	1	1	1	2	3	5	5
Linearity	% FS	0.5 (typ. 0.2)							
Pressure hysteresis + repeatability	% FS	0.1							
Thermal effect on zero	% FS/10K	0.6	0.3	0.2	0.1	(10...40°C)			
		1.2	0.6	0.3	0.2	(10...85°C)			
Thermal effect on span	% FS/10K	0.3	0.2	0.1					
Lorn term stability	%FS p.a.	1.2	0.7	0.3	0.2	0.1 (10...40°C)			
Media temperaure range	°C	-10..+85							
Operating temperature range	°C	-10..+85							
Storage temperature range	°C	-25..+125							
Excitation voltage		12..30VDC, 14..30VDC (@ 0-10V) permissible ripple @ 50Hz: 10%							
Output signal		4-20mA (2-wire-technique), 0-20mA, 0-10V							
Electrical connection		plug Binder series 723, optional cable shortcircuit protection, reverse polarity protection							
Pressure connection		G¼", G½" other threads possible							
Protection classification		IP65							
EMC		tested to DIN0843 (IEC801) part 2..4							
Material housing		V2A (1.4305)							
MAterial diaphragm		V4A (1.4435)							



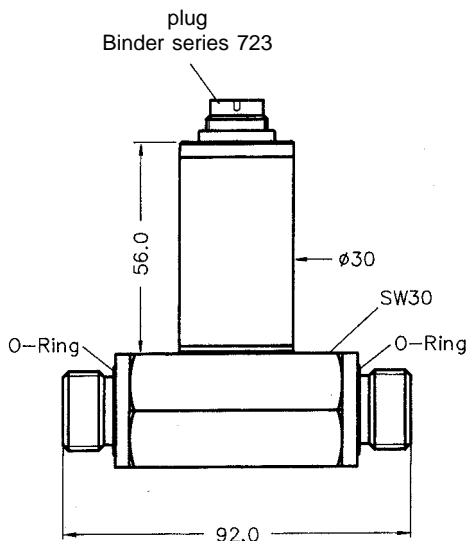


Output current: Load resistance: $R_L = \frac{U_B - 12V}{0.02A}$

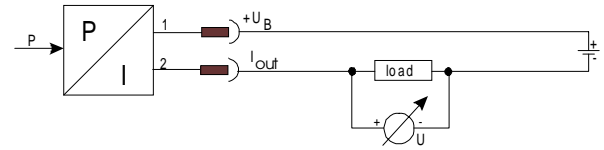
Voltage output: : $R_L \geq 10k\Omega$



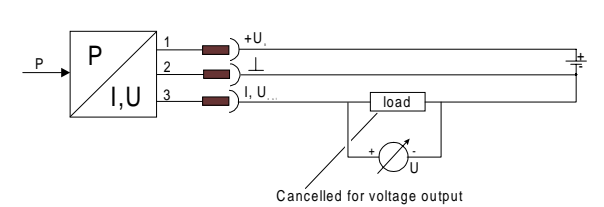
plug Binder Serie 723



Electrical connection for 2-wire-technique

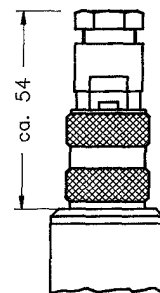


Electrical connection for 3-wire-technique

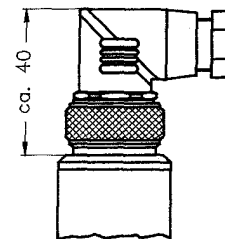


Connection STW-pressure transmitter

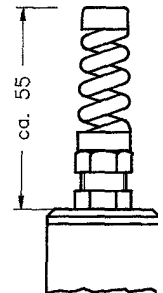
	plug		cable	
	2-wire	3-wire	2-wire	3-wire
+U _B	1	1	red	red
GND	-	2	-	orange
signal	2	3	black	black



plug connection Binder Serie 723 IP65 DIN 41524



plug connection Binder Serie 723 IP65 DIN 41524



cable connection IP67

Order characterization:

- Pressure transmitter model D01
- Pressure range: ...bar
- Output signal:
- Pressure connection:
- Electrical connection: plug/cable

Subject to change without notice

MS 04/01

