

# 平膜型， 压力变送器

Electronic  
Pressure Transmitter

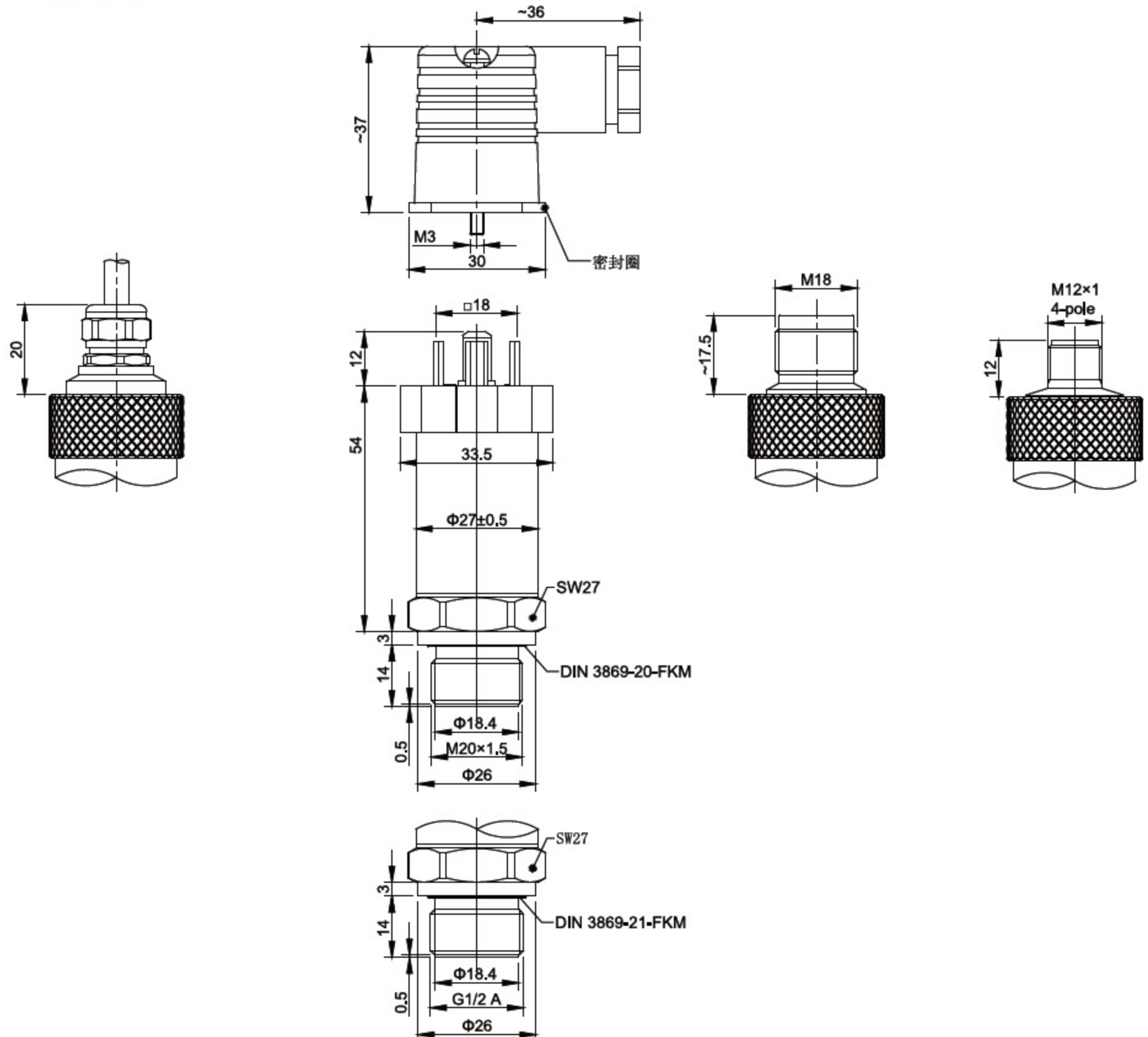
## SDP6700系列

应用于石化、重型柴油机、  
医药制造、食品加工等领域

- 最小设定精度  $\leq \pm 0.50\%$  FS typ.
- 优异的EMC性能
- 通过盐雾、温湿度测试
- 防护等级可达到IP67
- 符合RoHs, CE认证



### 外形尺寸图 Dimensions



# 67-系列 压力传感器

## 技术参数 Technical Parameter

参数	Specifications	技术指标	Technical Data
<b>输入数据</b>		<b>Input data</b>	
压力范围	Measuring ranges	0~10...16...20...30...40...50...100...160...200...400...500...600bar	
过载压力	Overload pressures	200%F.S	150%F.S
破坏压力	Burst pressures	500%F.S	300%F.S
机械接口	Mechanical connection	M20×1.5	G1/2-A
锁紧扭力	Torque value	40 N.m	45N.m
与介质接触部分	Parts in contact with medium	Mech. connection: Stainless steel Seal: FKM	
<b>输出数据</b>		<b>Output data</b>	
输出信号及阻抗	Output signal, permitted resistance	4 .. 20 mA, 2 conductor $R_{Lmax.} = (U_B - 10 V) / 20 \text{ mA} \text{ [k}\Omega\text{]}$ 0 .. 10 V, 3 conductor $R_{Lmin.} = 2 \text{ k}\Omega$ 0 .. 5 V, 3 conductor $R_{Lmin.} = 2 \text{ k}\Omega$	
精度为DIN 16086	Accuracy to DIN 16086 Max. setting	$\leq \pm 0.5\% \text{ F.S typ.}$ $\leq \pm 1.0\% \text{ F.S max.}$	
非线性	Non-linearity at max. setting to DIN 16086	$\leq \pm 0.3\% \text{ F.S max.}$	
迟滞	Hysteresis	$\leq \pm 0.1\% \text{ F.S max.}$	
重复精度	Repeatability	$\leq \pm 0.05\% \text{ F.S}$	
压力上升时间	Rise time	$\leq 1 \text{ ms}$	
长期稳定性	Long-term drift	$\leq \pm 0.1\% \text{ FS typ. / year}$	
<b>环境条件</b>		<b>Environmental conditions</b>	
温度补偿范围	Compensated temperature range	-20°C ~ +80 °C	
工作温度范围	Operating temperature range	-40°C ~ +85 °C	
储存温度范围	Storage temperature range	-40°C ~ +135 °C	
流体温度范围	Fluid temperature range	-40°C ~ +100 °C	
EMC抗干扰强度	<b>EMC Test</b>	EN 61000-6-1 / 2 / 3 / 4	
耐振性	Vibration resistance to DIN EN 60068-2-6 at 10 .. 500 Hz	$\leq 20 \text{ g}$	
保护等级	Protection class to DIN 40050	IP 65 (3pole+PE male DIN 43650 )  IP 67 (M12x1 4-pole male)	
<b>其他数据</b>		<b>Other data</b>	
3线制电源电压	Current consumption 3 conductor	approx. 25 mA	

## 选型表 Model code:

SDP 6 7 X X - X- XXX-X (000)

### 机械连接 Mechanical connection

- 0 = G1/2-A DIN 3852 (male)
- 4 = G1/4-A DIN 3852 (male, ≥25bar)
- A = M20×1.5 DIN 3852 (male)

### 电气连接 Electrical connection

- 4 = 4 pole Binder series 714 M18, male (connector not supplied)
- 5 = 3 pole + PE, DIN 43650, male (connector supplied)
- 6 = M12×1, 4 pole, male (connector not supplied)
- 0 = flying lead (Teflon cable silicone-free)

### 输出信号 Signal

- A = 4.. 20 mA, 2 conductor
- B = 0.. 10 V, 3 conductor
- J = 0.. 5 V, 3 conductor

### 压力范围 (bar) Pressure ranges in bar

- 010 = 0~10bar
- 160 = 0~160bar
- 600 = 0~600bar
- (压力范围0~10...600bar可选)

### 工作方式 Operational Mode

- A = 绝压 Absolute
- G = 表压 Gague

### 导线 Modification number

- 000 = 标准 (无电缆线)
- 020 = 2m 电缆线 (对应电器连接选项母端电缆线)
- 050 = 5m 电缆线 (对应电器连接选项母端电缆线)

### 注意事项:

1、标准配置密封圈材质为KFM, 长期工作温度范围为-20℃~180℃;

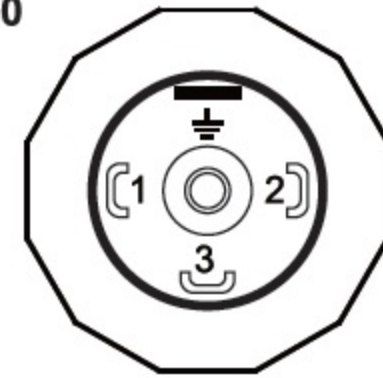
## 接线定义 Pin connections:

Binder series 714 M18



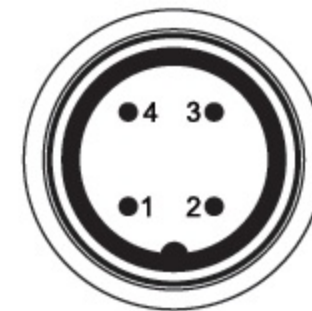
Pin	SDP67X4-A	SDP67X4-B/J
1	n.c.	+24VDC
2	+24VDC	Signal
3	Signal-	0 V
4	n.c.	n.c.

DIN 43650



Pin	SDP67X5-A	SDP67X5-B/J
1	+24VDC	+24VDC
2	Signal+	0 V
3	n.c.	Signal
⊥	PE	PE

M12x1 4-pole male



Pin	SDP67X6-A	SDP67X6-B/J
1	+24VDC	+24VDC
2	Signal+	Signal
3	n.c.	0 V
4	n.c.	n.c.