

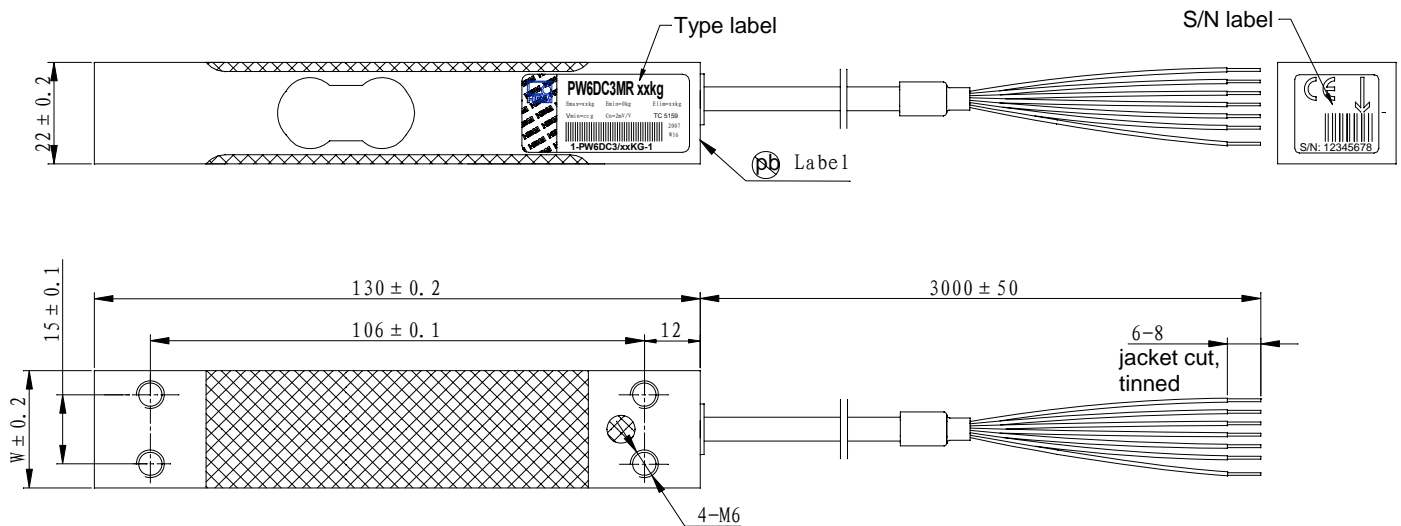
## 1. 1-PW6DC3/xxKGD-1 Technical data:

| 技术参数<br>(Technical data)                        | 单位<br>(Unit) | 1-PW6DC3/xxKGD-1 |         |         |         |         |         |         |
|-------------------------------------------------|--------------|------------------|---------|---------|---------|---------|---------|---------|
| 精确度等级 (OIML R60)                                |              | C3MR             |         |         |         |         |         |         |
| 额定载荷 Emax (Max. capacity)                       | kg           | 3                | 5       | 10      | 15      | 20      | 30      | 40      |
| 最小检定分度值 (V <sub>min</sub> )                     | g            | 0.2              | 0.5     | 1       | 1       | 2       | 2       | 5       |
| 温度对零点影响 (TC Zero)                               | % of Cn/10K  | ±0.0093          | ±0.0140 | ±0.0140 | ±0.0093 | ±0.0140 | ±0.0093 | ±0.0175 |
| 灵敏度 (Sensitivity)                               | mV/V         | 2.0              |         |         |         |         |         |         |
| 灵敏度误差 (Sensitivity tolerance)                   | mV/V         | ±0.20            |         |         |         |         |         |         |
| 温度对灵敏度影响 (TC Span)                              | % of Cn/10K  |                  |         |         |         |         |         |         |
| +20℃~+40℃:                                      |              | ±0.0175          |         |         |         |         |         |         |
| -10℃~+20℃:                                      |              | ±0.0117          |         |         |         |         |         |         |
| 非线性误差 (Non-linearity)                           | % of Cn      | ±0.0150          |         |         |         |         |         |         |
| 滞后误差 (Hysteresis error)                         | % of Cn      | ±0.0150          |         |         |         |         |         |         |
| 蠕变 (Creep) (30min)                              | % of Cn      | ±0.0166          |         |         |         |         |         |         |
| 蠕变恢复 (MDLR)                                     | % of Cn      | ±0.0166          |         |         |         |         |         |         |
| 秤盘面积 (Max. platform size)                       | mm           | 300×300          |         |         |         |         |         |         |
| 四角误差 (Eccentric error)                          | % of Cn      | ±0.0233          |         |         |         |         |         |         |
| 零点平衡 (Zero balance)                             | mV/V         | 0±0.06           |         |         |         |         |         |         |
| 输入电阻 (Input resistance)                         | Ω            | 380±38           |         |         |         |         |         |         |
| 输出电阻 (Output resistance)                        | Ω            | 380±38           |         |         |         |         |         |         |
| 参考电压 (Uref)                                     | V            | 5                |         |         |         |         |         |         |
| 工作电压范围 (Bu)                                     | V            | 1...15           |         |         |         |         |         |         |
| 绝缘电阻 (Insulation resistance)                    | GΩ@100V      | >2               |         |         |         |         |         |         |
| 额定温度范围<br>Nominal temperature rang              | ℃            | -10~+40          |         |         |         |         |         |         |
| 工作温度范围<br>Service temperature range             | ℃            | -10~+50          |         |         |         |         |         |         |
| 存储温度范围<br>Storage temperature range             | ℃            | -25~+70          |         |         |         |         |         |         |
| 安全承载 (Safe load limit)                          | % of Emax    | 150              |         |         |         |         |         |         |
| 极限承载 (Breaking load limit)                      | % of Emax    | 300              |         |         |         |         |         |         |
| 最大载荷下变形量 (Deflection at Max. capacity), approx. | mm           | <0.5             |         |         |         |         |         |         |
| 重量 (Weight approx.)                             | kg           | 0.25             |         |         |         |         |         |         |
| 材料 (Material)                                   |              | Aluminum         |         |         |         |         |         |         |
| 保护等级 (IP)                                       |              | IP65             |         |         |         |         |         |         |
| 应变片要求<br>Strain gage requirement                |              | Modco/PEEK       |         |         |         |         |         |         |

**2. 1-PW6DC3/xxKGD-1 Part Number Description:**

| Part Number      | Description          | Detailed description                              |
|------------------|----------------------|---------------------------------------------------|
| 1-PW6DC3/3KGD-1  | PW6DC3MR/3kg-3000RG  | PW6D, C3MR,3000mm 6W cable W/O plug,ground, Modco |
| 1-PW6DC3/5KGD-1  | PW6DC3MR/5kg-3000RG  | PW6D, C3MR,3000mm 6W cable W/O plug,ground, Modco |
| 1-PW6DC3/10KGD-1 | PW6DC3MR/10kg-3000RG | PW6D, C3MR,3000mm 6W cable W/O plug,ground, Modco |
| 1-PW6DC3/15KGD-1 | PW6DC3MR/15kg-3000RG | PW6D, C3MR,3000mm 6W cable W/O plug,ground, Modco |
| 1-PW6DC3/20KGD-1 | PW6DC3MR/20kg-3000RG | PW6D, C3MR,3000mm 6W cable W/O plug,ground, Modco |
| 1-PW6DC3/30KGD-1 | PW6DC3MR/30kg-3000RG | PW6D, C3MR,3000mm 6W cable W/O plug,ground, Modco |
| 1-PW6DC3/40KGD-1 | PW6DC3MR/40kg-3000RG | PW6D, C3MR,3000mm 6W cable W/O plug,ground, Modco |

**3. 1-PW6DC3/xxKGD-1 Mounting dimension:**



|                     |      |      |      |      |      |      |    |
|---------------------|------|------|------|------|------|------|----|
| <b>Capacity(kg)</b> | 3    | 5    | 10   | 15   | 20   | 30   | 40 |
| <b>W(mm)</b>        | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 | 30 |

**Cable:**

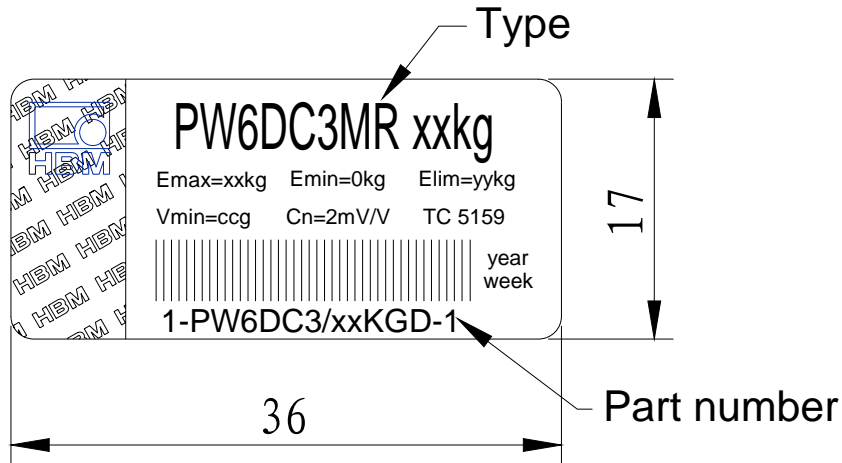
Shielded 6-core round cable(AWG24) with PVC-jacket

**Wiring code:**

- Signal+: white
- Signal - : red
- Excitation voltage -: black
- Excitation voltage + : blue
- Sensing lead+: green
- Sensing lead -: grey
- Shield: Yellow, connected to load cell

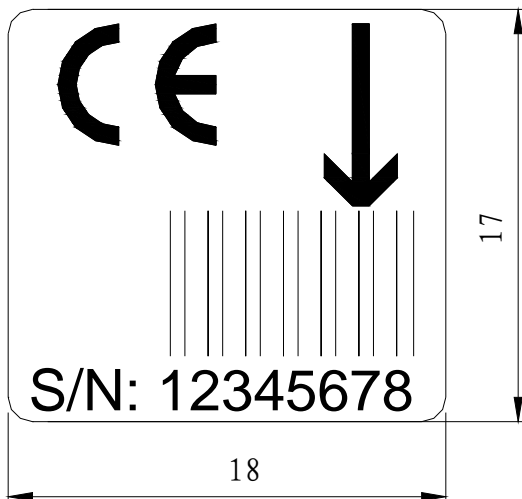
**4. Label**

**4.1 Type label**



| Part Number      | xx | yy   | cc  |
|------------------|----|------|-----|
| 1-PW6DC3/3KGD-1  | 3  | 4.5  | 0.2 |
| 1-PW6DC3/5KGD-1  | 5  | 7.5  | 0.5 |
| 1-PW6DC3/10KGD-1 | 10 | 15   | 1   |
| 1-PW6DC3/15KGD-1 | 15 | 22.5 | 1   |
| 1-PW6DC3/20KGD-1 | 20 | 30   | 2   |
| 1-PW6DC3/30KGD-1 | 30 | 45   | 2   |
| 1-PW6DC3/40KGD-1 | 40 | 60   | 5   |

**4.2 S/N Label**



**4.3 Out package Label**



| P/N              | PO NO.                | Type          | yyyy-mm-dd                      |
|------------------|-----------------------|---------------|---------------------------------|
| 1-PW6DC3/3KGD-1  | Purchase order number | PW6DC3MR/3kg  | Packing dae<br>(year-month-day) |
| 1-PW6DC3/5KGD-1  | Purchase order number | PW6DC3MR/5kg  |                                 |
| 1-PW6DC3/10KGD-1 | Purchase order number | PW6DC3MR/10kg |                                 |
| 1-PW6DC3/15KGD-1 | Purchase order number | PW6DC3MR/15kg |                                 |
| 1-PW6DC3/20KGD-1 | Purchase order number | PW6DC3MR/20kg |                                 |
| 1-PW6DC3/30KGD-1 | Purchase order number | PW6DC3MR/30kg |                                 |
| 1-PW6DC3/40KGD-1 | Purchase order number | PW6DC3MR/40kg |                                 |

**5. Packing**

Quantity: per package 10 pcs.

编制: \_\_\_\_\_

审核: \_\_\_\_\_

批准: \_\_\_\_\_