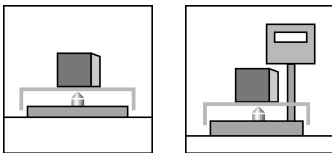


### Special features

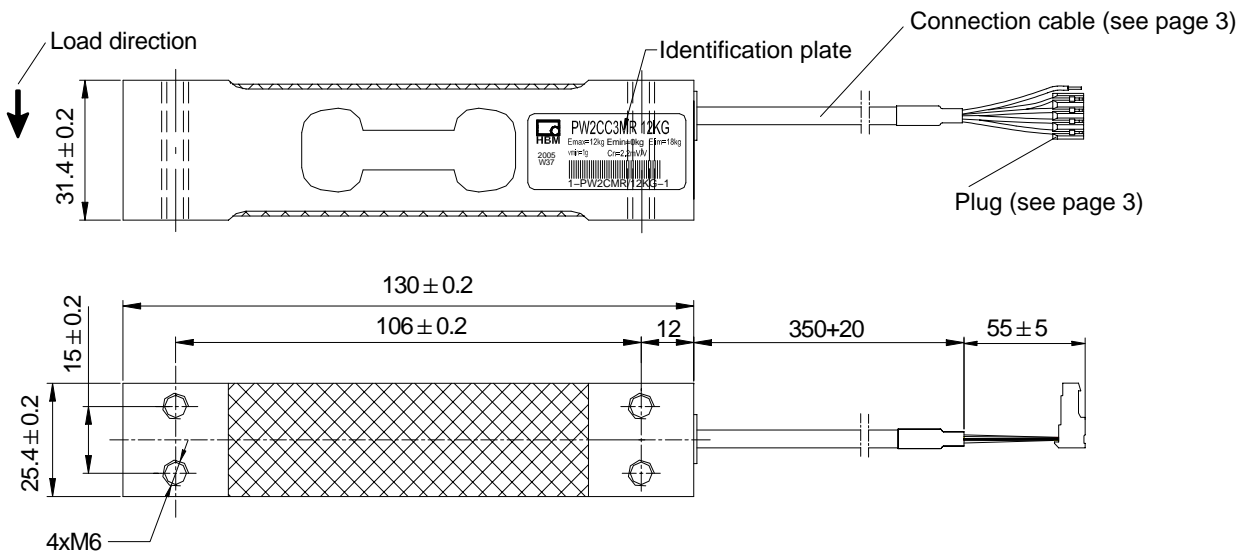
- Accuracy class C3 with OIML-R60 test report
- Max. capacities: 7.2 kg ... 72 kg
- Off center load compensated (OIML R 76)
- Degree of protection IP67 (according to EN 60 529)
- Shielded connection cable
- Optimized for static weighing applications

### Optional:

- Accuracy class C6 with OIML-R60 test report
- Connection cable in six wire circuit
- Different cable lengths
- Aligned output, suitable for connection in parallel



### Dimensions (in mm; 1 mm = 0.03937 inches)



### Mounting:

- Max. capacities  $\leq$  36 kg: cylindrical head screw M6-8.8, tightening torque: 6 N·m
- Max. capacities = 72 kg: cylindrical head screw M6-10.9, tightening torque: 10 N·m

## Specifications

Type	PW2C...					
Accuracy class <sup>1)</sup>	C3, C3MR					
Maximum number of load cell intervals ( $n_{LC}$ )	3000					
Maximum capacity ( $E_{max}$ )	kg	7.2	12	18	36	72
Minimum LC verification interval ( $v_{min}$ ) (Accuracy class C3)	g	1	2	5	10	20
Temperature effect on zero balance ( $TK_0$ ) (Accuracy class C3)	% of $C_n$ / 10 K	$\pm 0.0194$	$\pm 0.0233$	$\pm 0.0389$	$\pm 0.0389$	$\pm 0.0389$
Minimum LC verification interval ( $v_{min}$ ) (Accuracy class C3MR)	g	0.5	1	2	5	10
Temperature effect on zero balance ( $TK_0$ ) (Accuracy class C3MR)	% of $C_n$ / 10 K	$\pm 0.0097$	$\pm 0.0116$	$\pm 0.0155$	$\pm 0.0194$	$\pm 0.0194$
Max. platform size	mm	380 x 380				
Sensitivity ( $C_n$ )	mV/V	$2.2 \pm 0.2$				
Zero signal	mV/V	$0 \pm 0.12$				
Temperature effect on sensitivity ( $TK_C$ ) <sup>2)</sup> in the temperature range +20 ... +40 °C [+68 ... +104 °F] -10 ... +20 °C [+14 ... +68 °F]	% of $C_n$ / 10 K	$\pm 0.0175$ $\pm 0.0117$				
Relative reversibility error ( $d_{hy}$ ) <sup>2)</sup>		$\pm 0.0166$				
Linearity deviation ( $d_{lin}$ ) <sup>2)</sup>		$\pm 0.0166$				
Ratio of minimum dead load output return (DR)	% of $C_n$	$\pm 0.0166$				
Off-center load error <sup>3)</sup>		$\pm 0.0233$				
Input resistance ( $R_{LC}$ )	$\Omega$	300...500				
Output resistance ( $R_0$ )		300...500				
Reference excitation voltage ( $U_{ref}$ )		5				
Nom. range of excitation voltage ( $B_U$ )	V	1 ... 12				
Isolation resistance ( $R_{is}$ ) at 100 V <sub>DC</sub>	G $\Omega$	> 2				
Nominal (rated) range of ambient temperature ( $B_T$ )	°C [°F]	-10 ... +40 [+14 ... +104]				
Operating temperature range ( $B_{tu}$ )		-10 ... +50 [+14 ... +122]				
Storage temperature range ( $B_{st}$ )		-25 ... +70 [-13 ... +158]				
Limit load ( $E_L$ ) <sup>*)</sup>	% of $E_{max}$	150				
<sup>*)</sup> at max. eccentricity	mm	160				
Lateral load limit ( $E_{lq}$ ), static	%	300				
Breaking load ( $E_d$ )	of $E_{max}$	300				
Nominal (rated) displacement at $E_{max}$ ( $s_{nom}$ ), approx.	mm	< 0.5				
Weight (G), approx.	kg	0.25				
Degree of protection acc. to EN 60 529 (IEC 529)		IP67				
Material: Measuring body		Aluminum				
Application protection		Silicone rubber				
Cable sheath		PVC				

1) According to OIMLR60 with  $P_{LC} = 0.7$

2) The values for linearity deviation ( $d_{lin}$ ), relative reversibility error ( $d_{hy}$ ) and temperature effect on sensitivity ( $TK_C$ ) are recommended values. The sum of these values remain within the cumulated error limit acc. to OIML R60.

3) According to OIML R76.

## Specifications (continuation)

Type	PW2C...					
Accuracy class <sup>1)</sup>	C6					
Maximum number of load cell intervals ( $n_{LC}$ )	6000					
Maximum capacity ( $E_{max}$ )	kg	7.2	12	18	36	72
Minimum LC verification interval ( $v_{min}$ )	g	0.5	1	2	5	10
Temperature effect on zero balance ( $TK_0$ ) (Accuracy class C3)	% of $C_n$ / 10 K	$\pm 0.0097$	$\pm 0.0116$	$\pm 0.0155$	$\pm 0.0194$	$\pm 0.0194$
Max. platform size	mm	380 x 380				
Sensitivity ( $C_n$ )	mV/V	2.2 $\pm$ 0.2				
Zero signal		0 $\pm$ 0.12				
Temperature effect on sensitivity ( $TK_C$ ) <sup>2)</sup> in the temperature range +20 ... +40 °C [+68 ... +104 °F] -10 ... +20 °C [+14 ... +68 °F]	% of $C_n$ / 10 K	$\pm 0.0087$ $\pm 0.0058$				
Relative reversibility error ( $d_{hy}$ ) <sup>2)</sup>	% of $C_n$	$\pm 0.0083$				
Non-linearity ( $d_{lin}$ ) <sup>2)</sup>		$\pm 0.0083$				
Ratio of minimum dead load output return (DR)		$\pm 0.0083$				
Off-center load error <sup>3)</sup>		$\pm 0.0116$				

<sup>1)</sup> According to OIMLR60 with  $P_{LC} = 0.7$

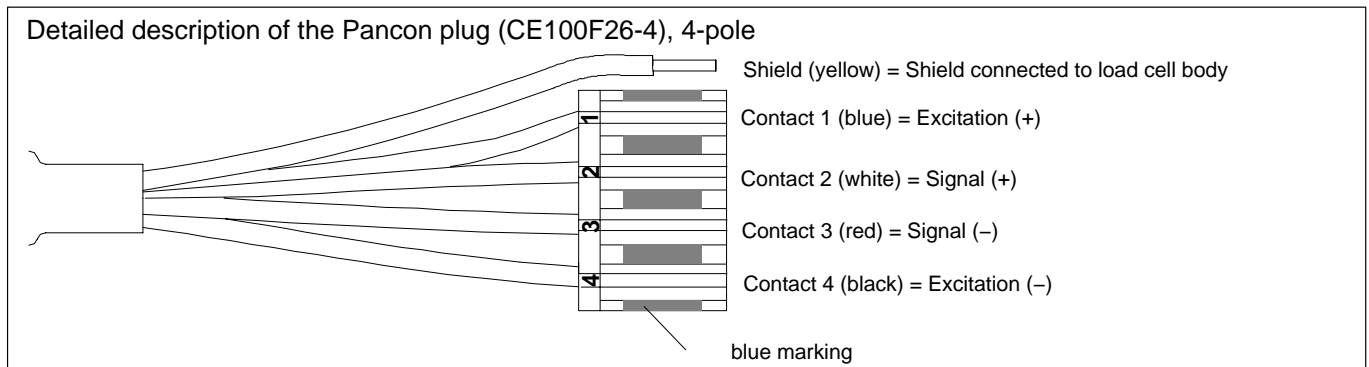
<sup>2)</sup> The values for linearity deviation ( $d_{lin}$ ), relative reversibility error ( $d_{hy}$ ) and temperature effect on sensitivity ( $TK_C$ ) are recommended values. The sum of these values remain within the cumulated error limit acc. to OIML R60.

<sup>3)</sup> According to OIML R76.

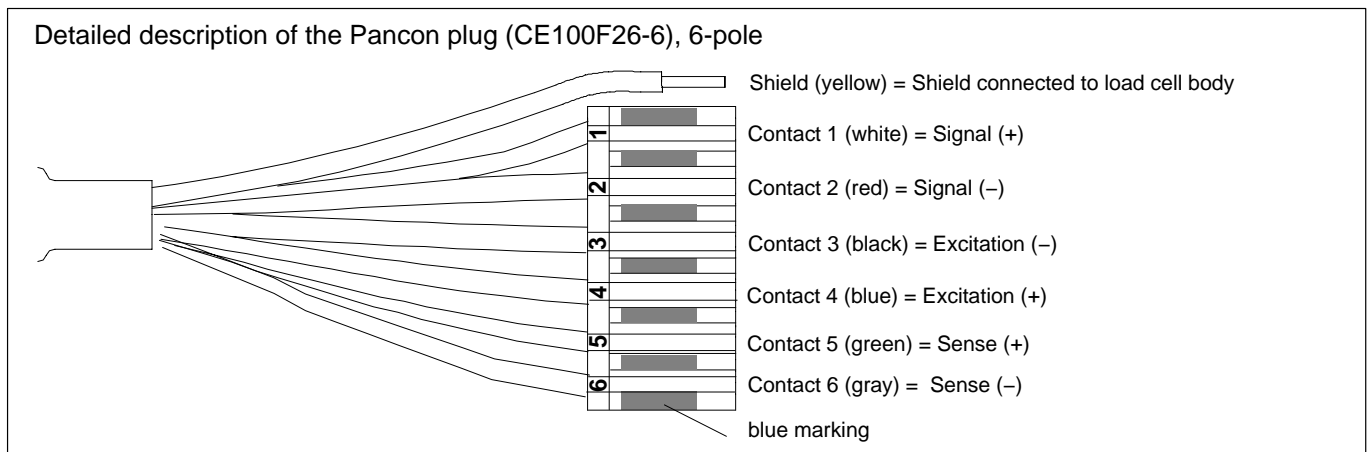
For more specifications, see table PW2C, accuracy class C3, C3MR (page 2)

## Wiring code

Connection with 4 wire cable (cable length: 0.35 m)



Connection with 6 wire cable (cable length, selectable: 0.35 m; 1.5 m; 3 m; 6 m)



## Ordering codes

**PW2C... / K-PW2C-... \***

Optimized for static weighing applications

### PW2C... (Aluminum)

Type	PW2C	
Accuracy	C3-MR (OIML)	
Note	Cable length 0.35m (4 wire)	
Capacity	Order no.	
7.2kg	1-PW2CMR/7.2KG-1	
12kg	1-PW2CMR/12KG-1	
18kg	1-PW2CMR/18KG-1	
36kg	1-PW2CMR/36KG-1	
72kg	1-PW2CMR/72KG-1	

### K-PW2C... (Aluminum), optional versions

Order no.		
<b>K-PW2C</b>		
Code	Option 1: Mechanical version	
<b>N</b>	-	
Code	Option 2: Accuracy	
<b>C3</b>	C3 (OIML)	
<b>MR</b>	C3-MR (OIML)	
<b>C6</b>	C6 (OIML)	
Code	Option 3: Capacity	
<b>7.2</b>	7.2kg	
<b>12</b>	12kg	
<b>18</b>	18kg	
<b>36</b>	36kg	
<b>72</b>	72kg	
Code	Option 4: NN	
<b>N</b>	-	
Code	Option 5: Cable length	
<b>4_0.35</b>	0.35m (4 wire)	
<b>6_0.35</b>	0.35m (6 wire)	
<b>6_1.5</b>	1.5m (6 wire)	
<b>6_3</b>	3m (6 wire)	
<b>6_6</b>	6m (6 wire)	
Code	Option 6: Miscellaneous	
<b>N</b>	without	
<b>A</b>	2mV/V $\pm 0.1\%$ / 410 Ohms $\pm 0.2$ Ohms (aligned output, suitable for connection in parallel)	
K-PW2C - <b>N</b> - [ ] - [ ] - [ ] - <b>N</b> - [ ] - [ ] - [ ] - [ ]		

\*) Substituting PW2A... and PW2G...

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