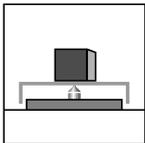


# PW4F-2 / PW4FC3

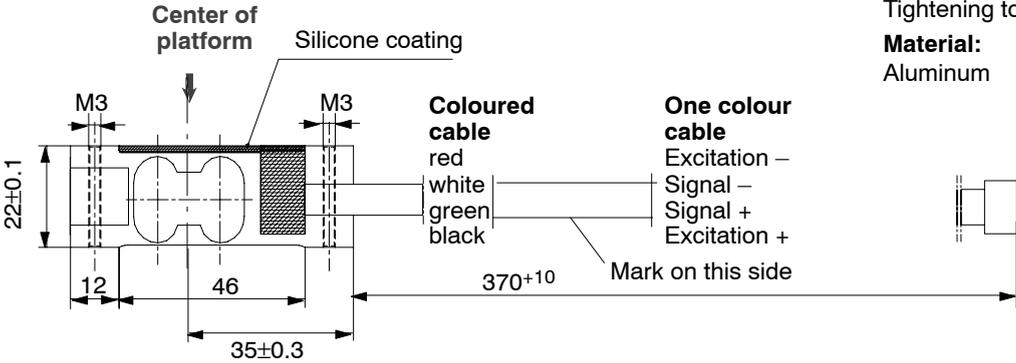
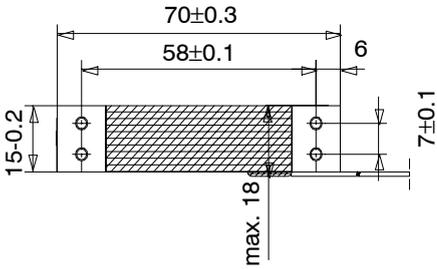
Single point load cells

### Special features

- Accuracy class 0.1 %; 0.2 % or NMI-OIML R60 approval
- Max. Capacities: 1.8 kg...3.6 kg
- Off center load compensated
- Protection class IP65 (according to EN 60 529)



Dimensions (in mm; 1 mm= 0.03937 inches)



**Cable:**  
4-core flat cable  
Pitch 2.54 mm; AWG26; PVC coated

**Plug:** CE 100F26-4 (Pancon)  
Recommend. mating connect.: AMP 167 804-4 e.g. cable extension  
Pancon MLSS100-04 (straight) or MLAS100-04 (hooked) e.g. pcb connection

**Mounting:**  
Socket-head cap screw M3-8.8  
Tightening torque: 1.3 Nm

**Material:**  
Aluminum



## Specifications

Type		PW4F-2		PW4FC3
Accuracy class		0.2	0.1	<b>C3</b> <sup>1)</sup>
Maximum number of load cell intervals ( $n_{LC}$ )		–		3000
Maximum capacity ( $E_{max}$ )	kg	1.8	3.6	3.6
Minimum LC verification interval ( $v_{min}$ )	g	–	–	1
Maximum platform size	mm	200 x 200		200 x 200
Nennkennwert ( $C_n$ )	mV/V	1.2 ± 0.18	2.2 ± 0.33	2.4 ± 0.24
Zero balance	mV/V	0 ± 0.1		0 ± 0.1
Temperature effect on zero balance (TK <sub>0</sub> )		± 0.2000	± 0.1000	± 0.0387
Temperature effect on sensitivity (TK <sub>C</sub> ) <sup>2)</sup> Temperature range: +20 ... +40 °C [+70 ... +105 °F] –10 ... +20 °C [+15 ... +70 °F]	% of $C_n$ / 10 K			
		± 0.0500		± 0.0146
		± 0.0330		± 0.0098
Hysteresis error ( $d_{hy}$ ) <sup>2)</sup>		± 0.0233		± 0.0098
Non-linearity ( $d_{lin}$ ) <sup>2)</sup>	% of $C_n$	± 0.0233		± 0.0098
Creep ( $d_{cr}$ ; $d_{DR}$ ) over 30 min.		± 0.0500		± 0.0138
Off center load error <sup>3)</sup>		± 0.0500		± 0.0194
Input resistance ( $R_{LC}$ )	Ω	400 (+100, -50)		
Output resistance ( $R_0$ )		400 (+100, -50)		
Reference excitation voltage ( $U_{ref}$ )	V	5		
Nominal range of excitation volt. ( $B_U$ )		1 ... 15		
Insulation resistance ( $R_{is}$ ) at 100 V <sub>DC</sub>	GΩ	> 1		
Nominal temperature range ( $B_T$ )	°C [°F]	–10 ... +40 [+15...+105]		
Service temperature range ( $B_{TW}$ )		–10 ... +50 [+15...+122]		
Storage temperature range ( $B_{TL}$ )		–25 ... +70 [–13...+158]		
Safe load limit ( $E_L$ )*	% of $E_{max}$	300	150	150
*) at max. eccentricity	mm	100	100	100
Lateral load limit ( $E_{lq}$ ), static	%	600	300	300
Breaking load ( $E_d$ )	of $E_{max}$	600	300	300
Deflection at $E_{max}$ ( $s_{nom}$ ), approx.	mm	< 0.4		
Weight (G), approx.	kg	0.05		
Protection class according to EN60529 (IEC529)		IP65		
Material: Measuring element Coating		Aluminum Silicone rubber		

<sup>1)</sup> According to OIML R60 with  $P_{LC} = 0.7$

<sup>2)</sup> The data for Non-linearity ( $d_{lin}$ ), Hysteresis error ( $d_{hy}$ ) and Temperature effect on sensitivity (TK<sub>C</sub>) are typical values. The sum of these data meets the requirements according to OIML R60.

<sup>3)</sup> Refers to the scale capacity (Max) for 1000d or 3000d.

The tolerance value corresponds to 70 % of the permissible scale error according to OIML R76, Class III or Class III.

Modifications reserved.

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