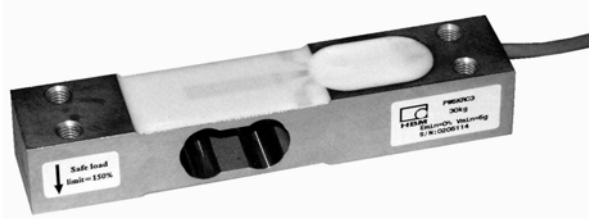


PW6KRC3...

Single point load cell

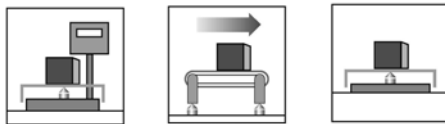
Special features

- Accuracy class C3 according to OIML-R60 approval
- Off center load compensated (OIML R76)
- Protection class IP65 according to EN 60 529
- shielded connection cable

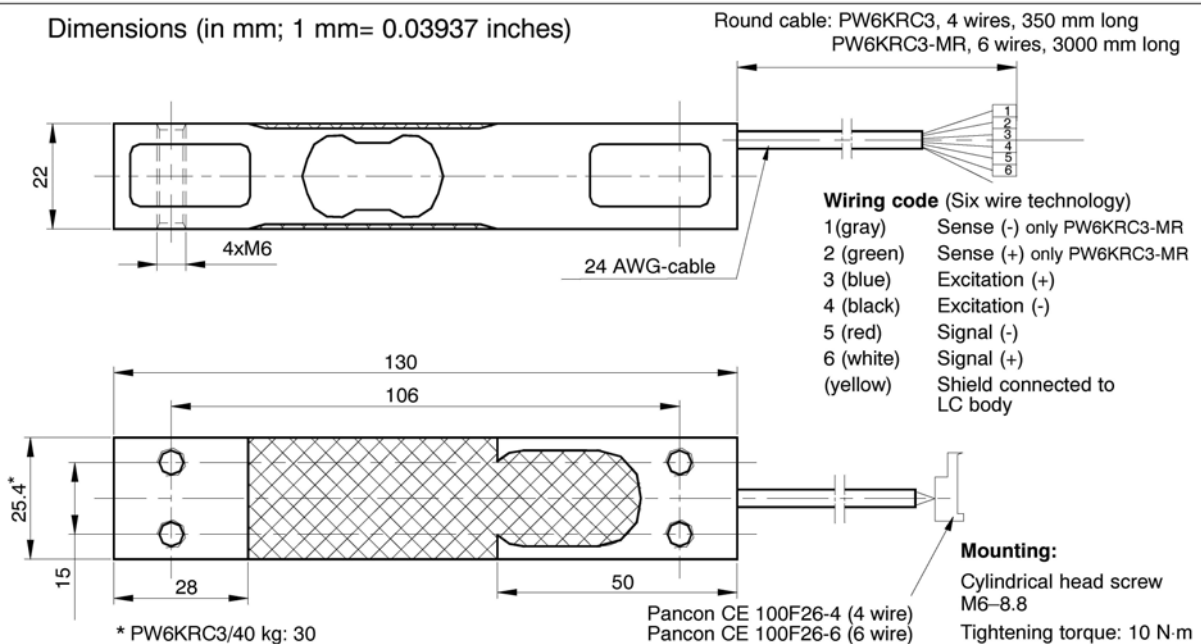


PW6KRC3-MR version:

- Reduced Minimum LC verification interval v_{min} for multi range applications
- Parallel connection of equal LC possible
- 6-wire circuit
- shielded connection cable (3 m)



Dimensions (in mm; 1 mm = 0.03937 inches)



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Specifications

Type	PW6KRC3								PW6KRC3-MR								
Accuracy class	C3 ¹⁾								C3MR								
Maximum number of load cell intervals (n_{LC})	3000								3000								
Maximum capacity (E_{max})	kg	3	5	10	15	20	30	40	3	5	10	15	20	30	40		
Minimum LC verification interval (v_{min})	g	0.5	1	2	5	5	5	10	0.2	0.5	1	2	2	2	5		
Max. platform size	mm	300 x 300								300 x 300							
Sensitivity (C_n)	mV/V	2.0 ± 0.1								2.0 ± 0.002							
Zero signal		0 ± 0.1								0 ± 0.1							
Temperature effect on zero balance (TK ₀)	% of C_n / 10K	±0.0233	±0.0280	±0.0280	±0.0186	±0.0350	±0.0233	±0.0350	±0.0093	±0.0140	±0.0140	±0.0093	±0.0140	±0.0093	±0.0175		
Temperat. effect on sensitivity (TK _C) ²⁾ Temperature range: +20 ... +40 °C [68...104 °F] -10 ... +20 °C [14...68 °F]		±0.0175 ±0.0117								±0.0175 ±0.0117							
Hysteresis error (d_{hy}) ²⁾	% of C_n	±0.0150								±0.0150							
Non-Linearity (d_{lin}) ²⁾		±0.0150								±0.0150							
Creep (d_{cr} ; d_{DR}), over 30 min.		±0.0166								±0.0166							
Off center load error ³⁾		±0.0233								±0.0233							
Input resistance (R_{LC})		420 ± 20								420 ± 20							
Output resistance (R_O)	Ω	350 ± 5								350 ± 0,3							
Reference excitation voltage (U_{ref})	V	5								5							
Nominal range of excitation voltage (B_U)	V	1 ... 15								1 ... 15							
Insulationresistance (R_{is}) at 100 V _{DC}	GΩ	> 2								> 2							
Nominal temperature range (B_T)	°C [°F]	-10 ... +40 [14...104]								-10 ... +40 [14...104]							
Service temperature range (B_{st})	°C [°F]	-10 ... +50 [14...122]								-10 ... +50 [14...122]							
Storage temperature range (B_{st})	°C [°F]	-25 ... +70 [-13...158]								-25 ... +70 [-13...158]							
Limit load (E_L) ^{*)}	% of E_{max}	150								150							
^{*)} at max. eccentricity	mm	100								100							
Lateral load limit (E_{lq}), static	%	300								300							
Breaking load (E_d)	of E_{max}	300								300							
Nominal displacement at E_{max} (s_{nom}), approx.	mm	< 0.4								< 0.4							
Weight, without cable (G), approx.	kg	0.17				0.2				0.17				0.2			
Protection class according to (IEC529)		IP65								IP65							
Material: Measuring element		Aluminum								Aluminum							
Cover		Silicone rubber								Silicone rubber							
Cable sheet		PVC								PVC							

¹⁾ According to OIML R60 with $P_{LC} = 0.7$

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

³⁾ According to OIML R76.

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