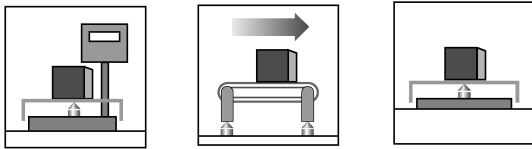
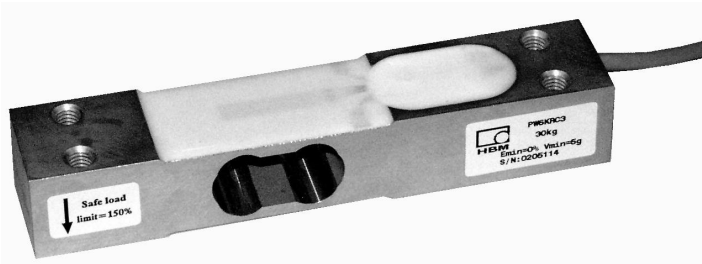


PW6KRC3...

Single point load cell

Special features

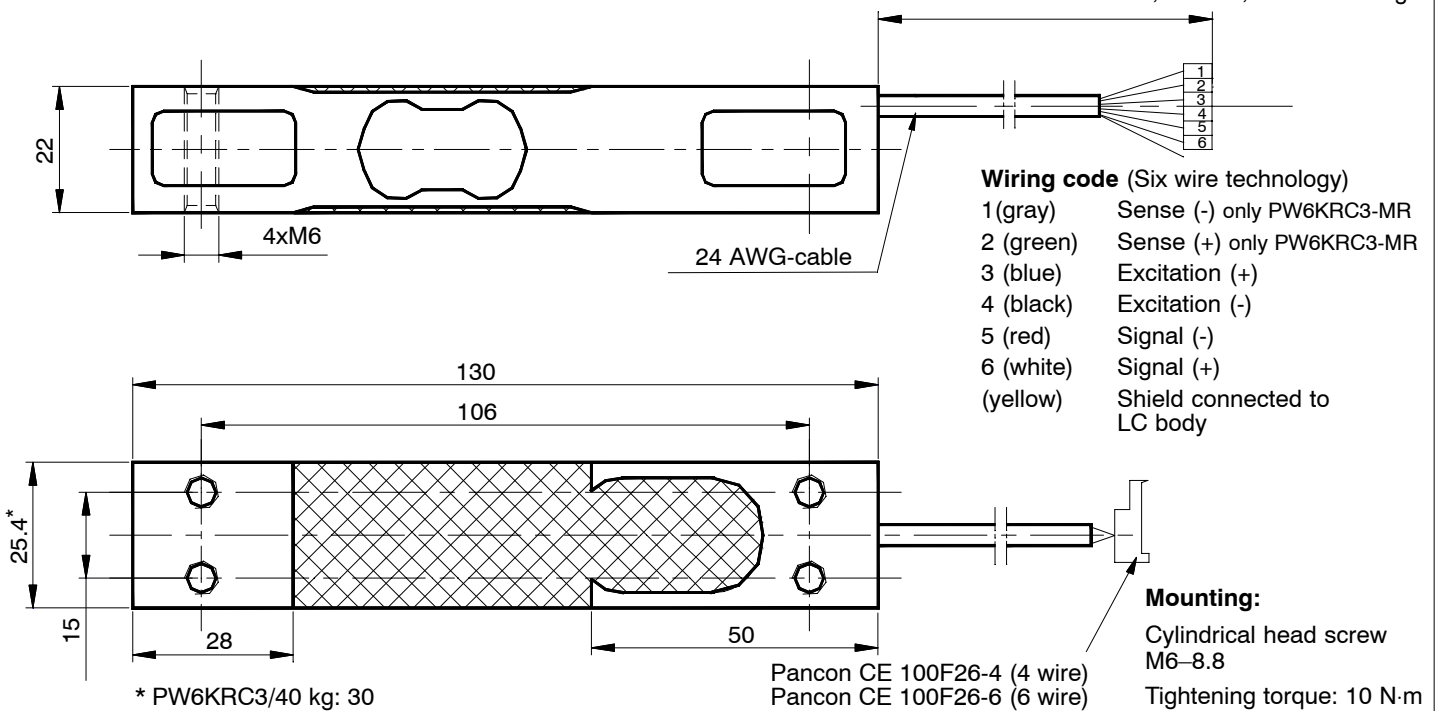
- Accuracy class C3 according to OIML-R60 approval
- Off center load compensated (OIML R76)
- Protection class IP65 according to EN 60 529
- shielded connection cable



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)



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})	Ω	420 ± 20								420 ± 20						
Output resistance (R_0)		350 ± 5								350 ± 0,3						
Reference excitation voltage (U_{ref})	V	5								5						
Nominal range of excitation voltage (B_U)		1 ... 15								1 ... 15						
Insulation resistance (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_{tu})		-10 ... +50 [14...122]								-10 ... +50 [14...122]						
Storage temperature range (B_{ti})		-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.

Modifications reserved.

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