

PW18C3

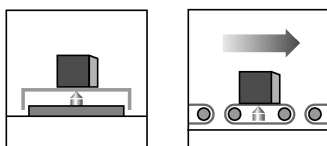
정적 계량을 위한 Single
point 로드셀



PW18C3

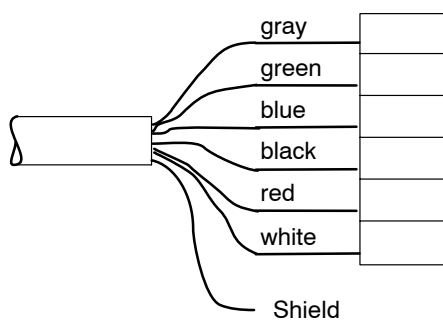
Special features

- 높은 정확도
- 높은 과부하 제한
- 높은 비틀림 / 굴곡 강성
- 보호 등급 IP 67

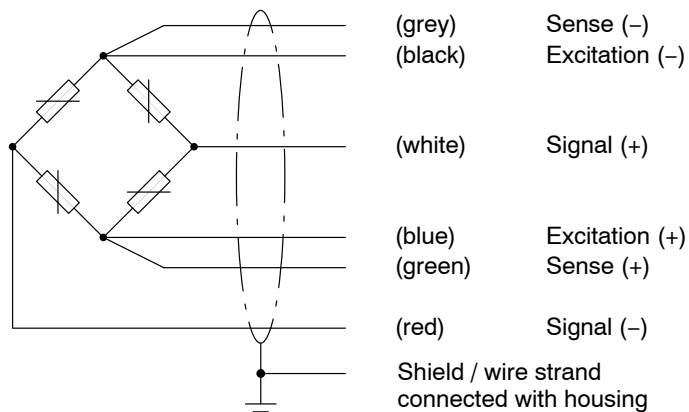


Abmessungen (in mm)

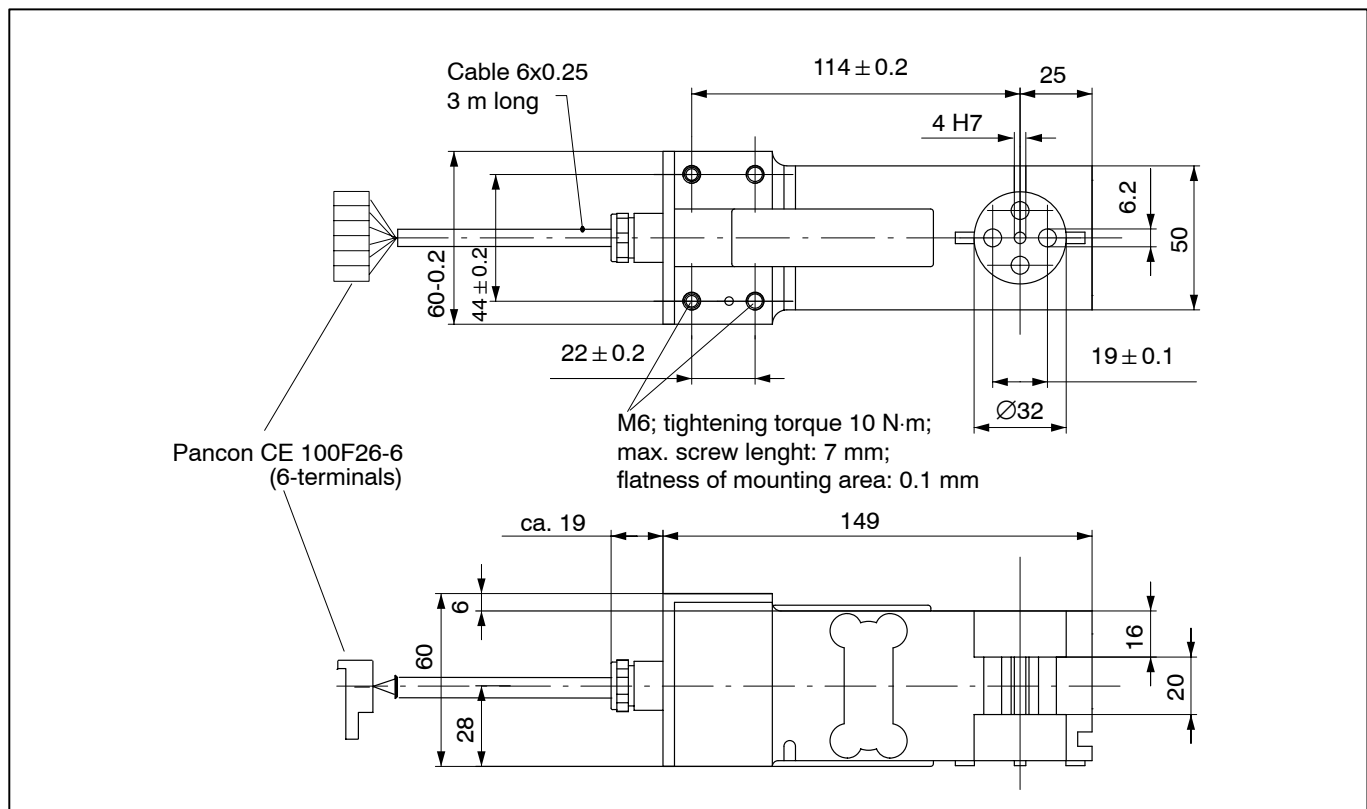
Pancon CE 100F26-6
(6 terminals)



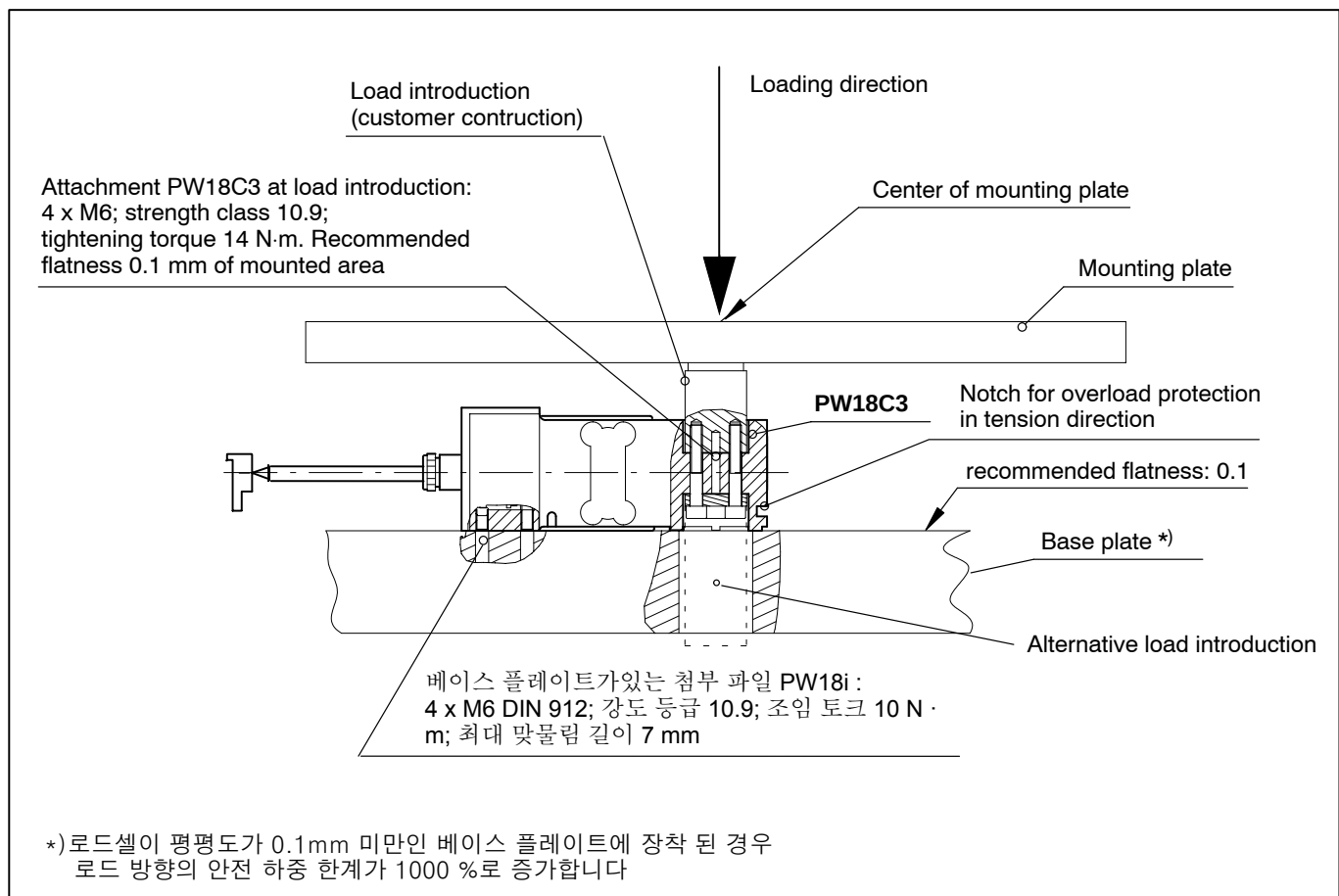
Wiring code (6-wire circuit):



Dimensions of the single point load cell PW18C3 (in mm; 1 mm= 0.03937 inches)



단일 포인트 로드셀 PW18C3 에 대한 장착 힌트



Specifications

Type		PW18C3				
Accuracy class		C3 ¹⁾				
Max. number of load cell intervals (n_{LC})		3000				
Nominal (rated) Load (E_{max})	kg	5	10	20	50	75
Min. LC verification interval (v_{min})	g	0.5	1	2	5	10
Temperature effect on zero balance (TK_0)	mV/V	± 0.0140				
Max. Platform size	mm	400 x 400				
Sensitivity (C_n)	mV/V	1.0 ± 0.1				
Zero signal		0 ± 0.1				
Temperature effect on sensitivity (TK_C) ²⁾ Temperature range: +20 ... +40 °C [+68 ... 104 °F] -10 ... +20 °C [+14 ... 68 °F]	% from C_n / 10 K	± 0.0175 ± 0.0117				
Hysteresis error (d_{hy}) ²⁾	% from C_n	± 0.0166				
Non-Linearity (d_{lin}) ²⁾		± 0.0166				
Minimum dead load output return (DR)		± 0.0166				
Off center load error ³⁾		± 0.0233				
Input resistance (R_{LC})	Ω	380 ... 500				
Output resistance (R_0)		350 ... 500				
Reference excitation voltage (U_{ref})	V	5				
Nominal range of excitation voltage (B_U)		1 ... 12				
Max. excitation voltage		15				
Insulation resistance (R_{is}) at 100 V _{DC}	G Ω	> 1				
Nominal temperature range (B_T)	°C [°F]	-10 ... +40 [14 °F ... 104 °F]				
Service temperature range (B_{tu})		-10 ... +50 [14 °F ... 122 °F]				
Storage temperature range (B_{tl})		-25 ... +75 [-13 °F ... 167 °F]				
Limit load (E_L) *)	% from E_{max}	300 ⁴⁾				
*) at max. 20mm Eccentricity						
Lateral load limit (E_{lq}), static		800				
Breaking load (E_d)		400				
Nominal displacement at E_{max} (s_{nom}), approx.	mm	< 0.15				
Weight (G), approx.	kg	0.8				
Protection class to EN60529 (IEC529)		IP67				
Material of the PW18C3: Measuring element Cover Cable sheath		Aluminium Silicone rubber TPE				

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.

4) In combination with a grinded baseplate up to 1000% (details please see operating manual)