B6F/H6F

FEATURES

- Stainless steel IP67 single point load cell
- Bending beam
- Suitable for belt, platform and other electronic weighing devices
- Maximum platform size: for 50kg-200kg: 400 x 400 mm ; for 250kg-500kg: 600 x 800 mm; for 750kg-2t: 1200 x 1200 mm



AVAILABLE MODELS

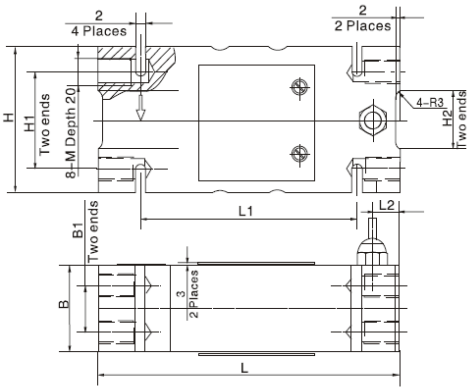
100 kg	C3 not approved	B6F-C3-100kg-3B6
150 kg	C3 not approved	B6F-C3-150kg-3B6
200 kg	C3 not approved	B6F-C3-200kg-3B6
250 kg	C3 not approved	B6F-C3-250kg-3B6
500 kg	C3	B6F-C3-500kg-3B6
750 kg	C3	B6F-C3-750kg-3B6
1000 kg	C3	B6F-C3-1000kg-3B6
2000 kg	C3	B6F-C3-2000kg-3B6

test certificate no. TC7867 Revision 0 C of C no R60/2000-NL1-10.31

SPECIFICATION

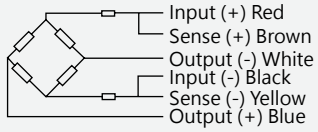
Accuracy class		C3		OIML R60 C3
Output sensitivity (=FS)	mV/V	2.0 ± 0.2		
Maximum capacity (Emax)	kg	100/150/200/250		500/750/1000/2000
Maximum number of load cell intervals (nLC)		3000		
Ratio of minimum LC verification interval Y=Emax / Vmin		10000		
Combined error	%FS	±0.023		
Safe overload	%FS	150		
Ultimate overload	%FS	300		
Zero balance	%FS	± 1.0		
Excitation, recommended voltage	V	5 ~ 12 (DC)		
Excitation maximum	V	18 (DC)		
Input resistance	Ω	400±20		
Output resistance	Ω	350 ± 3.5		
Insulation resistance	MΩ	⩾ 5000 (50VDC)		
Compensated temperature	°C	-10 ~+40		
Operating temperature	°C	-35 ~ +65		
Storage temperature	°C	-40 ~ +70		
Element material		Stainless steel		
Ingress protection (according to EN 60529)		IP67		
Recommended torque on fixation	N.m	M12:75 (Below 500kg)		M16:200 (750kg-2000kg)
ATEX classification (optional)		II1G Ex ia IIC T4	II1D Ex iaD 20 T73°C	II3G Ex nL IIC T4
Note: "S1" output sensitivity is 2.0±0.002mV/V, input resistance is 384±4				

DIMENSIONS IN MM



Dimension / Capacity	50kg ~ 200kg	250kg ~ 500kg	750kg ~ 2t
B	44 (1.73)	60 (2.36)	76 (2.99)
B1	24 (0.94)	36 (1.42)	46 (1.81)
H	75 (2.95)	95 (3.74)	125 (4.92)
H1	50 (1.97)	70 (2.76)	95 (3.74)
H2	30 (1.18)	30 (1.18)	65 (2.56)
L	156 (6.14)	146 (5.75)	176 (6.93)
L1	112 (4.4)	110 (4.33)	110 (4.33)
L2	14 (0.55)	11 (0.43)	24 (0.94)
M	M12	M12	M16

WIRING



- Shielded, 6 conductor cable
- Cable diameter: Φ 6.2mm
- Standard cable length: 3m
- Shield is not connected to element