Shear beam load cells **65023**

available with certification • OIML • NTEP • FM

General information

PWS1320261125

The 65023 shear beam load cell, made of nickel-plated steel and stainless steel, has watertight protection for use in harsh environmental conditions, excellent linearity and precision characteristics and is resistant to 100% side loads. The 65023 shear beam load cell was designed for weighing hoppers and tanks and for the construction of low-profile platforms. The 65023 shear load cell is also available in a special high temperature version. In addition, there are mounting accessories available to facilitate the cell installation: MKX and MH MOUNTING KIT.



Suggested related products

A highly performing weighing system must be accurate, perfectly calibrated and well maintained. In order to improve the load cell performance and to optimize its functioning, you may need the following products:

Weight Transmitter DAT 1400

Weight Indicator MCT 1302

Mounting kits MKX ®

Mounting kits MH MOUNTING KIT

Tester 1008 TESTER 1008

Junction Box CGS4-C

All indicated data may be changed without notice.
All the measures indicated are expressed in millimeters (mm).

PAVONE SISTEMI S.R.L.
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Industrial Electronic Weighing Systems since 1963

Technical specifications

PWS1320261125

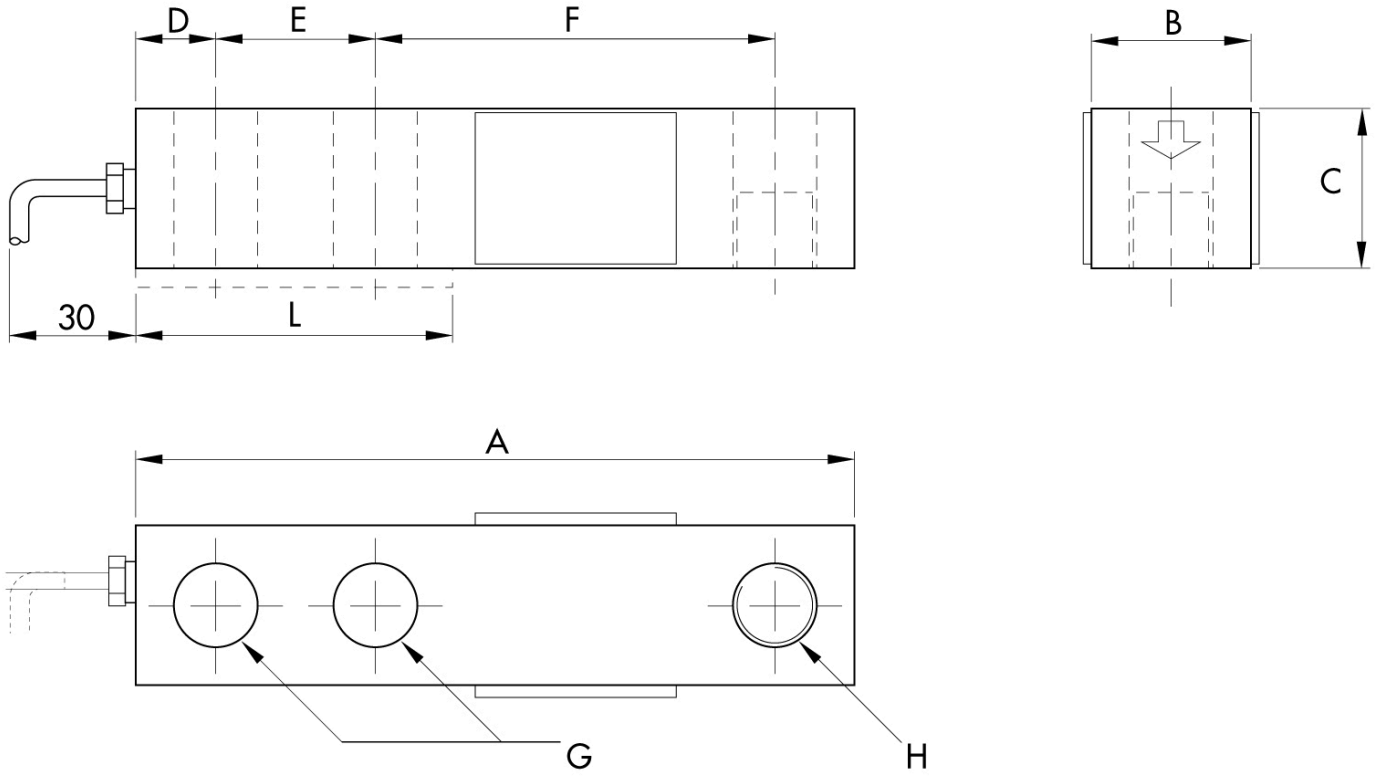
Rated load (RL):	125, 250, 500, 750, 1000, 1500, 2000, 3000, 5000 Kg
Combined error:	± 0.02 % RO
Repeatability:	± 0.01 % RO
Creep (20 minutes):	±0.017 % RO
Safe overload:	150 % RL
Ultimate overload:	300 % RL
Clamping force without any load:	RL 125 ÷ 2000 kg: 136 Nm; RL 3000÷5000kg: 205 Nm
Material:	Nickel steel, stainless steel
Degree of protection:	IP67
Accuracy class:	3000 OIML (500÷5000 Kg)
Deflection:	0.33 ÷ 0.89 mm
Compensated Temperature:	-10 ÷ +40°C
Temperature range:	-18 ÷ +65°C
Temperature effect on zero balance:	±0.018 % RO/10°C
Temperature effect on output:	±0.012% of output/10°C
Rated output RO:	3 mV/V ± 0.25%
Zero balance:	±1 % RO
Insulation resistance:	> 1000 M Ohm
Input resistance:	343 ÷ 357 Ohm
Output resistance:	349 ÷ 355 Ohm
Recommended input:	5 ÷ 15 Vdc/Vac

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Electrical Connections	
+Excitation	Red
-Excitation	Black
+Signal	Green
-Signal	White
Shield	Cable Shield

CAPACITY kg	125-250	500-2000	3000-5000
A	130	130	171.5
B	31	31	38.1
C	25.4	31	38.1
D	15.8	15.8	19.1
E	25.4	25.4	38.1
F	76.2	76.2	95.3
G	13.5	13.5	20.6
H	M12x1.75	M12x1.75	M20x2.5
L	57	57	76

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