

BA638

Single point load cell

Description

Capacities: (E_{max})
50~500kg

Rated output:
2.0mV/V
Digital:1,000,000d

Accuracy:
C3 OIML R60

Material of elastomer:
Aluminum or Alloy / stainless steel

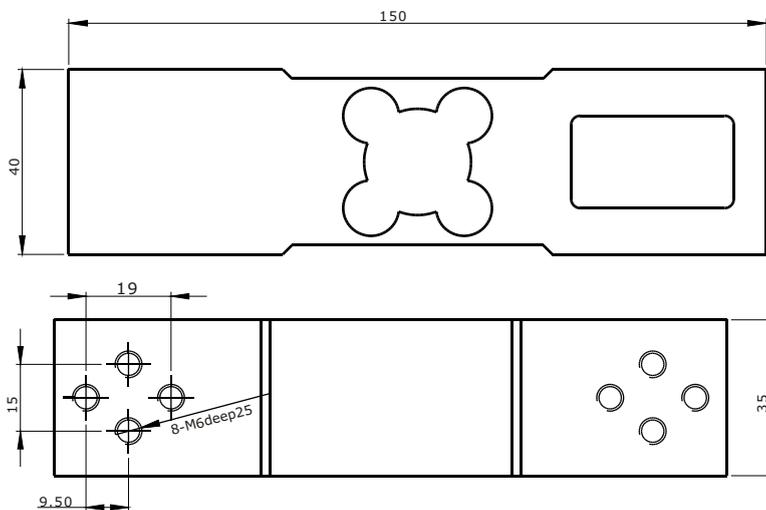
Execution standard:
GB/T 7551-2008 Certificate
(eqv OIML R60)
Combined error: 0.015%

Sealed to IEC 529:
Protection grade: IP66.
Enclosure is sprayed from all practicable directions with a stream of water at 100L/min from a 12.5mm nozzle from a distance of 2.5 to 3m.
Test time=1min/m of enclosure surface area to be sprayed,3min minimum.



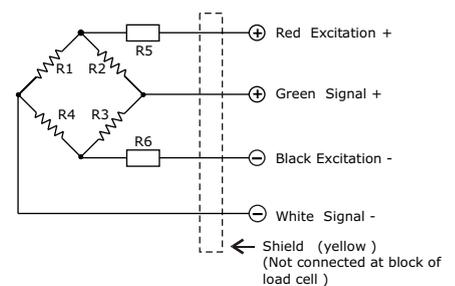
Dimensions

(In mm. 1mm = 0.03937 inches)



Circuit Diagram

Electrical Termination
4 Core cable standard lengths:1.5m
Diameter: $\phi 4.2$
Connection:
Refer to the following drawing:



Notice:

Do not change the length of cable, or lese, it will effect the sensitivity of load cell.

Specification

Item \ Parameter	C3	Unit
Rated load (E_{max}):	50~500	kg
Maximal numbers of load cell verification Intervals (Nic):	3000	d
Minimum load cell verification intervals Intervals (Vmin):	0.01	% of rated load
Rated output (Cn):	$2.0 \pm 0.1\%$	mV/V
*Combined error:	0.015	$\pm\%$ of rated output
Temperature effect on sensitivity(Tkc):	0.0012	$\pm\%$ of rated output/ $^{\circ}$ C
Temperature effect on zero balance(Tk0):	0.0008	$\pm\%$ of rated output/ $^{\circ}$ C
Zero balance:	1.0	$\pm\%$ of rated output
Input resistance(Ric):	385 ± 5	Ω (Ohms)
Output resistance(Ro):	351 ± 2	Ω (Ohms)
Insulation resistance:	≥ 5000	M Ω (Mega-Ohms)
Safe overload:	150	% of rated capability
Ultimate overload:	300	% of rated capability
Operating temperature range:	-20~+70/-20~+160	$^{\circ}$ C / $^{\circ}$ F
Recommend excitation:	8~15	V(DC or AC)
Maximum excitation:	18	V(DC or AC)
Material of elastomer:	Alloy steel / Stainless steel	
Protection class:	IP67/IP68	

The data for deviation of synthesis error,TK0,TKc are typicl values. The sum of these data meets the requirements according to OIML R60

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