

BA638

Single Point Load Cell

Description

Capacities: (Emax)

50,100,200,300,500kg

Rated output:

2.0mV/V

Digital:1,000,000d

Grade/Accuracy:

C3 OIML R60

Material of elastomer:

Aluminum / Alloy or SS

Execution standard:

GB/T 7551-2008 Certificate

(eqv OIML R60)

Combined error: 0.015%

Sealed to IEC 529:

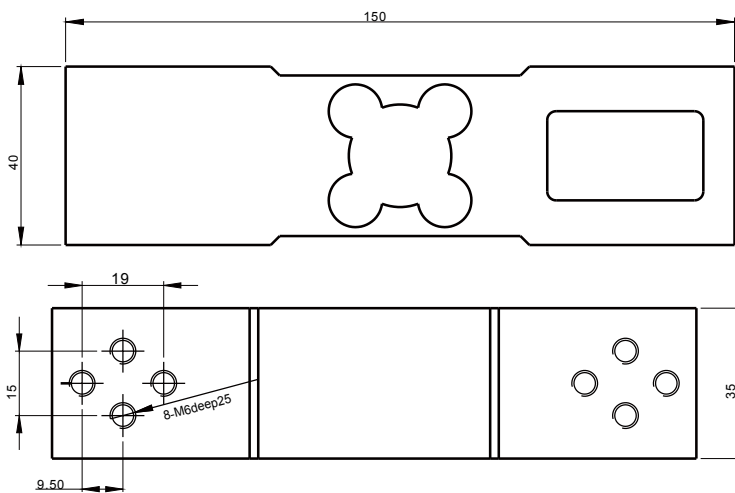
Protection grade: IP66.

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=0.03937inches)



Circuit Diagram

Electrical Termination

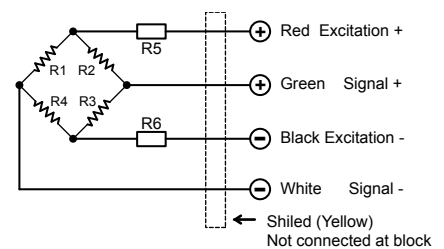
4 Cores cable standard lengths:

2m

Cable Diameter:Φ5

Connection:

Refer to the following drawing:



Note:

6 Cores cable is optional.

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

Specification

Item/Parameter	C3	Unit
Rated load(Emax):	50,100,200,300,500	kg
Maximal numbers of loadcell verification intervals (Nic):	3000	d
Minimum number of loadcell verification intervals (Vmin)	0.01	% of rated load
Rated output (Cn):	2.0 ± 5%	mV/V
*Combined error:	0.015	% of rated output
Temperature effect on sensitivity (Tkc):	0.0012	% of rated output/°C
Temperature effect on zero balance (Tk0):	0.0008	% of rated output/°C
Zero balance:	1.0	% of rated output
Input resistance (Rlc):	385	Ω(Ohms)
Output resistance (Ro):	351	Ω(Ohms)
Insulation resistance:	≥5000	MΩ(Mega-Ohms)
Safe overload:	150%	% of rated capacity
Operating temperature range:	-20~+70	°C
Recommend excitation:	5~12	V(DC or AC)
Maximum excitation:	18	V(DC or AC)
Material of elastomer:	Aluminum / Alloy or SS	
Protection class:	IP65/IP66	

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