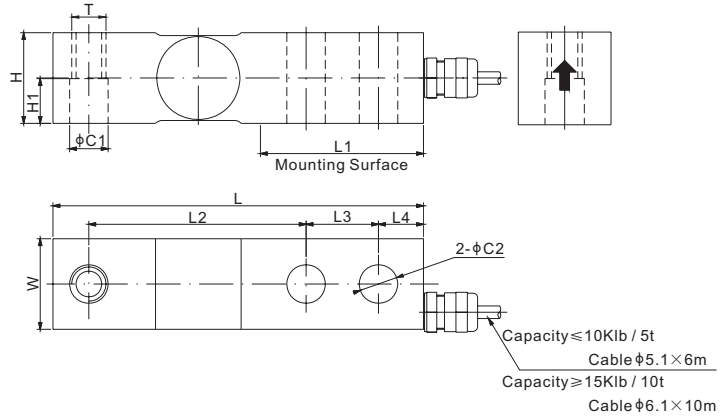


# 563YH-23

ANYLOAD

## Alloy Steel

SINGLE ENDED BEAMS



### DIMENSIONS

| RATED CAPACITY     | C1   | C2   | H    | H1   | L    | L1   | L2   | L3   | L4   | W    | T             |
|--------------------|------|------|------|------|------|------|------|------|------|------|---------------|
| <b>lb/inches</b>   |      |      |      |      |      |      |      |      |      |      |               |
| 250-4,000; SE5,000 | 0.53 | 0.53 | 1.25 | 0.62 | 5.12 | 2.25 | 3.00 | 1.00 | 0.62 | 1.25 | 1/2-20 UNF-2B |
| 5,000-10,000       | 0.78 | 0.78 | 1.50 | 0.75 | 6.75 | 3.00 | 3.75 | 1.50 | 0.75 | 1.50 | 3/4-16 UNF-2B |
| 15,000-20,000      | 1.03 | 1.03 | 2.00 | 1.00 | 8.88 | 4.00 | 4.88 | 2.00 | 1.00 | 2.00 | 1-14 UNS-2B   |

### SPECIFICATIONS

|                          |                                             |                                      |                                       |
|--------------------------|---------------------------------------------|--------------------------------------|---------------------------------------|
| <b>Full Scale Output</b> | 3.0 mV/V $\pm 0.25\%$                       | <b>Element Material</b>              | Alloy Steel, Nickel Plated            |
| <b>Zero Balance</b>      | $\pm 0.02$ mV/V                             | <b>Recommended Excitation</b>        | 10V (15V Maximum)                     |
| <b>Non-linearity</b>     | Cap. $\leq 750\text{lb}$ : $< \pm 0.03\%$ ; | <b>Insulation Resistance</b>         | $> 2 [50\text{V DC}] \text{ G}\Omega$ |
|                          | Cap. $> 750\text{lb}$ : $< \pm 0.02\%$      | <b>Compensated Temperature Range</b> | -10°C to 50°C / 14°F to 122°F         |
| <b>Repeatability</b>     | $< \pm 0.02\%$                              | <b>Safe Overload</b>                 | 150% of full scale                    |
| <b>Hysteresis Error</b>  | Cap. $\leq 750\text{lb}$ : $< \pm 0.03\%$ ; | <b>Breaking Overload</b>             | 300% of full scale                    |
|                          | Cap. $> 750\text{lb}$ : $< \pm 0.02\%$      | <b>Seal Type / IP Rating</b>         | Environmentally Sealed / IP67         |
| <b>Creep in 30 min.</b>  | $< \pm 0.025\%$                             | <b>Cable Color Code</b>              | Exc+ Red      Exc- Black              |
| <b>Input Resistance</b>  | 350 $\Omega \pm 7$                          |                                      | Sig+ Green    Sig- White              |
| <b>Output Resistance</b> | 350 $\Omega \pm 3$                          |                                      | Shield Bare                           |

### PART NUMBER\*

| Rated Capacity | Part No.             | Weight Approx. (kg) |
|----------------|----------------------|---------------------|
| 250lb.....     | 563YH-23A-250lb..... | 1.0                 |
| 500lb.....     | 563YH-23A-500lb..... | 1.0                 |
| 750lb.....     | 563YH-23-750lb.....  | 1.0                 |
| 1Klb.....      | 563YH-23-1Klb.....   | 1.0                 |
| 1.5Klb.....    | 563YH-23-1.5Klb..... | 1.0                 |
| 2Klb.....      | 563YH-23-2Klb.....   | 1.0                 |
| 2.5Klb.....    | 563YH-23-2.5Klb..... | 1.0                 |
| 3Klb.....      | 563YH-23-3Klb.....   | 1.0                 |
| 4Klb.....      | 563YH-23-4Klb.....   | 1.0                 |
| SE5Klb.....    | 563YH-23-SE5Klb..... | 1.0                 |
| 5Klb.....      | 563YH-23-5Klb.....   | 1.8                 |
| 10Klb.....     | 563YH-23-10Klb.....  | 1.8                 |
| 15Klb.....     | 563YH-23-15Klb.....  | 4.0                 |
| 20Klb.....     | 563YH-23-20Klb.....  | 4.0                 |

SE refers to small envelope

\* ATEX, FM, IECEx approved versions carry the "-Ex" suffix.

### WEIGH MODULE

| Model | 563YHM2-02 | 563YHM2-03 | 563YHM4-02 |
|-------|------------|------------|------------|
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### INTERCHANGEABLE REFERENCE

| Brand                          | Model   |
|--------------------------------|---------|
| Artech.....                    | 30310   |
| Coti Global.....               | CG-23   |
| Rice Lake.....                 | RL30000 |
| Rice Lake.....                 | RL32018 |
| Rice Lake.....                 | RL35023 |
| Vishay Celtron.....            | SQB     |
| Vishay Revere Transducers..... | 5123    |
| Vishay Sensortronics.....      | 65023A  |
| Vishay Tedeia-Huntleigh.....   | 3411    |

250lb-2.5Klb: NTEP 1:5 000 Class III, Single Cell;  
NTEP 1:9 500 Class III, Multiple Cell  
4Klb-20Klb: NTEP 1:6 000 Class III, Single Cell;  
NTEP 1:10 000 Class III, Multiple Cell

1.5Klb-5Klb: OIML MAA C4, Y=15 000;  
10Klb-20Klb: OIML MAA C6, Y=8 500

For further available P/N's & specifications per NTEP/OIML classes, please contact us.

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