

DF2S-5 / DF2S-3

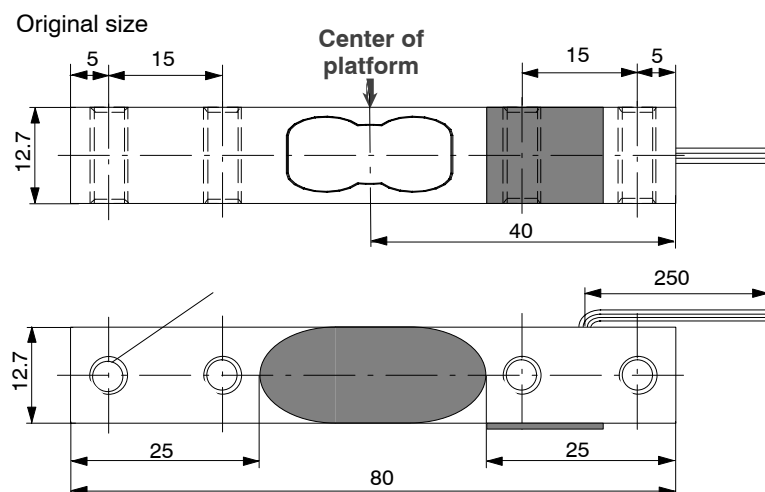
Double bending beam

Special features

- Protection class IP54 to EN 60 529
- Max. Capacities: 1 kg ... 20 kg
- Compact design



Dimensions (in mm; 1 mm= 0.03937 inches)



Terminals

(wiring code):

Excitation – (BK)

Excitation + (BL)

Signal – (RD)

Signal + (WH)

4x single wire cable Cu/PVC-insulated, AWG 28

Cable length 130 mm (± 10 mm) with 4 mm (± 1 mm) free ends, tinned

Specifications

Type		DF2S-5						DF2S-3					
		1	3	5	10	15	20	1	3	5	10	15	20
Max. capacity (E_{max})	kg	150 x 150						150 x 150					
Max. platform size	mm	150 x 150						150 x 150					
Sensitivity (C_n)	mV/V	$2 \pm 10\%$ (1 kg: $1.8 \pm 10\%$)						$2 \pm 10\%$ (1 kg: $1.8 \pm 10\%$)					
Zero balance		0 ± 0.5						0 ± 0.5					
Temperature effect on zero balance (TK_0)	% of C_n	± 0.5000						± 0.2000					
Temperature effect on sensitivity (TK_C)	/ 10 K	± 0.1000						± 0.0500					
Hysteresis error (d_{hy})	% of C_n	± 0.0500						± 0.0300					
Non-linearity (d_{lin})		± 0.0500						± 0.0300					
Creep (d_{cr}) over 5 min.		± 0.0500						± 0.0300					
Off center load error ¹⁾	%	± 0.1000						± 0.0500					
Input resistance (R_{LC})	Ω	1000 ± 10						1000 ± 10					
Output resistance (R_0)		1000 ± 10						1000 ± 10					
Reference excitation voltage (U_{ref})	V	5						5					
Nominal range of excitation voltage (B_U)		5 ...15						5 ...15					
Insulation resistance (R_{is})		G Ω	> 2						> 2				
Nominal temperature range (B_T)	°C [°F]	-10... +40 [+14 ... +104]						-10 ... +40 [+14 ... +104]					
Service temperature range (B_{tu})		-20... +50 [-4 ... +122]						-20 ... +50 [-4 ... +122]					
Storage temperature range (B_{tl})		-30 ... +70 [-22 ... +158]						-30 ... +70 [-22 ... +158]					
Limit load (E_L)	% of E_{max}	150						150					
Lateral load limit (E_{lq}), static		300						300					
Breaking load (E_d)		150						150					
Deflection at E_{max} (s_{nom}), approx.	mm	< 0.4						< 0.4					
Weight (G), approx.	g	30						30					
Protection class according to EN60529 (IEC529)		IP54						IP54					
Material: Measuring element Coating		Aluminum Silicone rubber						Aluminum Silicone rubber					

¹⁾ At loading with 30 % of max. capacity and 75 mm excentricity.

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