SinglePointLoadCells | SPL-CMP-102

Compact potted-flexure single point | Electrical and selection reference

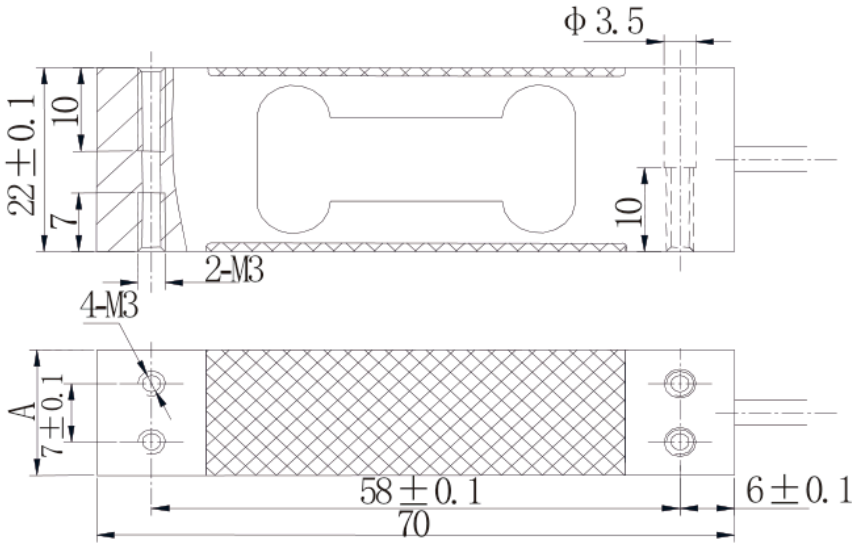
Material	Aluminum alloy
Protection	IP65
Accuracy declaration	C3 in source catalogue; exact certificate scope to confirm
Input resistance	380 +/-40 ohm
Output resistance	380 +/-40 ohm
Catalogue cable	4 mm diameter x 400 mm; 4 wires plus shield
Recommended excitation	5-15 V
Maximum excitation	15 V
Compensated temperature	-10 to +40 deg C
Operating temperature	-25 to +70 deg C
Static safe overload	150% F.S.; not an impact-survival rating
Ultimate overload	300% F.S.; not a permitted operating load
vmin / full-scale deflection	Not specified in the source table; request order-specific values
Platform envelope	200 x 200 mm

Wiring reference: EXC+ Blue; EXC- Black; SIG+ White; SIG- Red; Shield Shield. Confirm the supplied cable function chart before energizing.

Data basis: 2023 supplier catalogue, transcribed and reviewed for this independent SPL reference. These are selection values, not a released production drawing, SPL calibration report or transferred manufacturer approval. Confirm tare, eccentric loading, the drawing revision and all certificate conditions before ordering.

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Mounting reference in mm | Capacity-specific envelope and output



Capacity kg	L x W x H mm	Thread / depth	Output
0.3	70 x 12 x 22	M3 / confirm	1.0 mV/V +/-10%
0.5	70 x 12 x 22	M3 / confirm	1.0 mV/V +/-10%
1	70 x 12 x 22	M3 / confirm	2.0 mV/V +/-10%
2	70 x 15 x 22	M3 / confirm	2.0 mV/V +/-10%
3	70 x 15 x 22	M3 / confirm	2.0 mV/V +/-10%
5	70 x 15 x 22	M3 / confirm	2.0 mV/V +/-10%

Width A is 12 mm at 300 g, 500 g and 1 kg; 15 mm at 2, 3 and 5 kg.
Drawing gives 58 +/-0.1 mm longitudinal and 7 +/-0.1 mm transverse mounting-hole centres. M3 engagement depth is not assigned.