

VECTOR ®



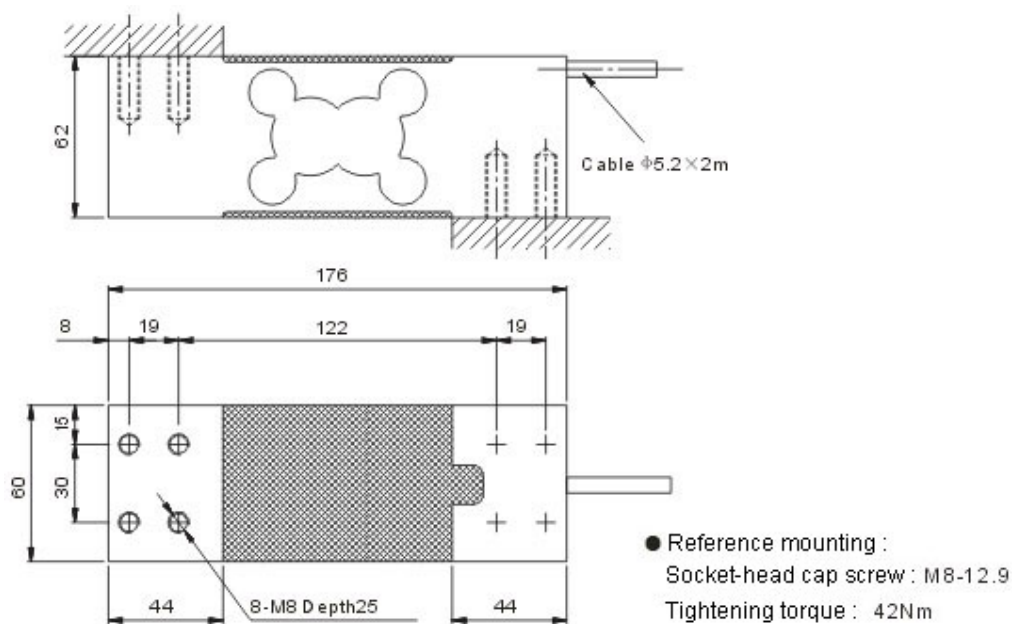
**108CA Load
cell,
60kg...750kg**

Special features :

- Complies with OIML R60 C3 (E_{max}≤500kg)
regulations up to 5 000d for scales class III
- Off-center load compensated
- Protection to IP66
- Explosion proof version (Ex ib II CT4)



Dimensions (in mm; 1mm = 0.03937 inches)



Technical Data

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Type		108CA	
Accuracy class according to OIML R60		C3	-
Maximal numbers of load cell verification intervals (n_{LC})		5 000	5 000
Maximal capacity (E _{max})	kg	60; 100; 200; 300; 500	600; 750
Minimum load cell verification interval (V _{min})	% of C _n	0.02	
Reference Max. platform size	mm	600×700	
Weight (G), approx.	kg	1.5	
Sensitivity (C _n)	mV/V	2±10%	
Zero balance	mV/V	±0.06	
Temperature effect on sensitivity (TK _c) *	% of C _n /k	< ±0.0012	
Temperature effect on zero balance (TK _o)	% of C _n /k	< ±0.0040	
Non-linearity (d _{lin}) *	%	< ±0.017	
Repeatability (d _{rep}) *	%	< ±0.017	
Hysteresis error (d _{hy}) *	%	< ±0.017	
Creep (d _{DR}) in 30 min.	%	< ±0.023	
Input resistance (RLC) [Red(+)-black(-)]	Ω	415 ±15	
Output resistance (RO) [Green(+)-white(-)]	Ω	350±3	
Reference excitation voltage (U _{ref})	V(DC/AC)	0.5...12	
Maximal excitation voltage	V(DC/AC)	18	
Insulation resistance (R _{is})	GΩ	>1 [50 VDC]	
Nominal temperature range	°C [°F]	-10...+40 [15...+105]	
Service temperature range	°C [°F]	-10...+50 [15...+122]	
Storage temperature range	°C [°F]	-25...+70 [-13...+158]	
Safe load limit (EL)	% of C _n	150	
Breaking load (Ed)	% of C _n	300	
Protection class (IP) acc. to IEC529		IP67	
Material		Aluminum	
Optionally		Explosion proof version (Ex ib II CT4)	

* The data for deviation of linearity, repeatability, hysteresis error and temperature effect on sensitivity are typical values. The sum of these data meets the requirements according to OIML R60.