

Single Point Load Cell AXH with a Rated Load of 100 ... 500 kg



Performance Features

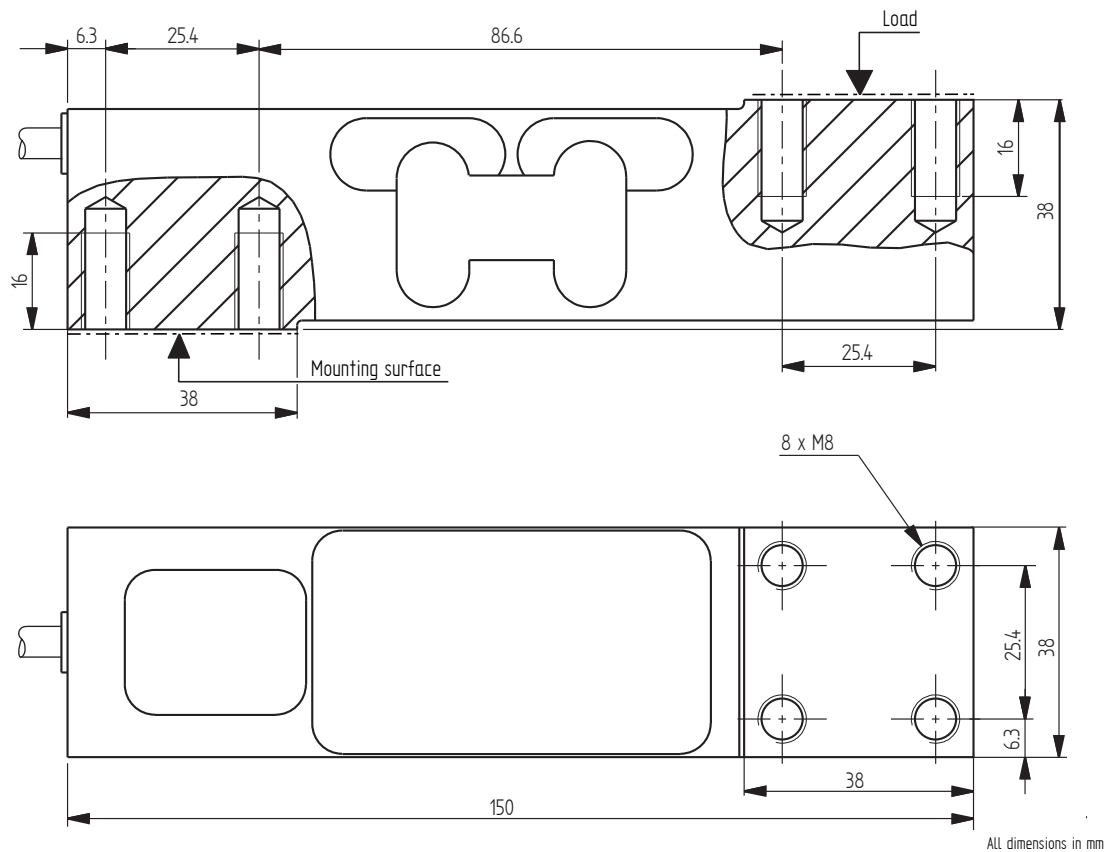
- Stainless steel single point load cell
- 3000d OIML R60 approved
- Level of protection: IP68
- Designed for platforms of maximum dimensions 600 mm x 600 mm (off-center load compensated)
- Ideally suited for single point scales in humid and corrosive environments
- ATEX 2014/34/EU version for hazardous area (option)

Application

- Food industry
- Chemical/pharmaceutical industry
- Dosing equipment in humid and corrosive environments



Dimensions in mm



Article-No.	Version	Rated load [kg]
112597	C3 10e	100
112598	C3 12e5	250
112599	C3 10e	500

Connection Assignment

Electrical Connection		
Function	Wire Color	
Excitation (+)	Brown	●
Signal (+)	Yellow	●
Signal (-)	White	○
Excitation (-)	Green	●
Sense (+)	Gray	●
Sense (-)	Pink	●

Technical Data

Type	AXH		
Version		C3 10e	C3 12e5
Rated load E	kg	100; 500	250
Maximum load for approved weighing E_{max}	kg	100; 500	250
Accuracy class OIML R60		C3	C3
Maximum numbers of load cell intervals n_{max}	d OIML	3000	3000
Minimum verification interval v_{min}	g	10; 50	20
Creep division factor $Z = E_{max}/2 \times DR$		3000	3000
Combined error	% E	±0.017	±0.017
Temperature coefficient of zero signal	% E/°C	±0.0014	±0.0012
Temperature coefficient of characteristic value	% E/°C	±0.0014	±0.0014
Load creep d_{cr, F} in 30 min.	% E	±0.025	±0.025
Zero balance	% E	±1	
Rated output at E C_{nom}	mV/V	2 ±10 %	
Rated range of excitation voltage B_{U, nom}	V	1 ... 15	
Input resistance R_e	Ω	385 ±20	
Output resistance R_a	Ω	350 ±5	
Insulation resistance R_{is}	MΩ/50V	5000	
Electrical connection		Cable, PVC, 3 m	
Rated temperature range B_{T, nom}	°C	-10 ... 40	
Operating temperature range B_{T, G}	°C	-20 ... 60	
Limit load E_{lim}	% E _{max}	150	
Breaking load E_b	% E _{max}	200	
Tightening torque	Nm	30	
Maximum platform dimension	mm	350 x 350	
Level of protection		IP68	
Material		Stainless Steel	
Weight	kg	1.3	

Options

Article-No.	Description
111735	Protective coating
107798	ATEX 2014/34/EU, IECEx: ex II 1 G/D, Ex ia IIC T6 Ga, Ex ia IIIC T80 °C Da, IP6X, -20 °C < Ta < +60 °C (zones gaz 0/1/2, dust 20/21/22)
115049	ATEX 2014/34/EU, IECEx: ex II 1 D, Ex ta IIIC T125 °C Da, IP6X, -20 °C < Ta < +60 °C (zones dust 20/21/22)
115048	ATEX 2014/34/EU, IECEx: ex II 3 G, Ex nA IIC T6 Gc, -20 °C < Ta < +60 °C (zone gaz 2)

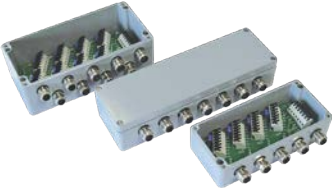
Accessories

Electrical Connection

Article-No.	Description
10323	Male cable connector KS6 (6-pin, Series 581) incl. mounting
10320	Male cable connector KSSH15 (15-pin) incl. mounting
43418	Input connector ZA9612FS (ALMEMO) incl. sensor mounting and connector calibration
49205	Input connector ZKD712FS (ALMEMO 202) incl. sensor mounting and connector calibration

Accessories (continued)

Weighing Electronics

ALCJB-A	CPJ/CPJ2S	IPE50 Panel
		

Further suitable accessories you can find on our homepage under:

https://www.lorenz-messtechnik.de/english/products/lc_weighing-electronics.php