

Type ZSFY-A Load Cell



Short Description



- Nickel plated alloy steel IP68 Rocker column Load cell
- High accuracy
- Suitable for truck, track, hopper and other electronic weighing devices
- Current calibrated (sc-option)


 Test certificate no. D09-06.088
 C of C no R60/2000-CN1-06.061

Available Models

P/N	Capacity	Accuracy	Full Article Description
72308000	5t	C3	ZSFY-A-5t-C3-5t-12B-2-FH
72308001	10t	C3	ZSFY-A -10t-C3-10t-12B-2-FH
72308002	15t	C3	ZSFY-A -15t-C3-15t-12B-2-FH
72308003	20t	C3	ZSFY-A -20t-C3-20t-12B-2-FH
72308004	25t	C3	ZSFY-A -25t-C3-25t-12B-2-FH
72308005	30t	C3	ZSFY-A -30t-C3-30t-12B-2-FH
72308006	40t	C3	ZSFY-A -40t-C3-40t-12B-2-FH
72308007	50t	C3	ZSFY-A -50t-C3-50t-12B-2-FH
72308008	60t	C3	ZSFY-A -60t-C3-60t-12B-2-FH
72308009	100t	C3	ZSFY-A -100t-C3-100t-12B-2-FH

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Technical Specifications ZSFY-A

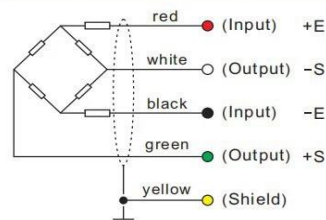
Accuracy Class		OIML R60 C3
Output Sensitivity (= FS)	mV/V	2.0 ± 0.002
Maximum Capacity (Emax)	kg	5t,10t,15t,20t,25t,30t,40t,50t,60t,100t
Max. Number of Load Cell Intervals	n/c	3000
Ratio of min. LC Verification Interval	Y = Emax / vmin	7500
Combined Error	%FS	≤± 0.02
Creep Error (30 minutes)	%FS	≤± 0.02
Temperature Effect on Zero (ZTC)	%FS/10°C	≤± 0.02
Temperature Effect on Sensitivity (STC)	%FS/10°C	≤± 0.02
Zero Balance	%FS	≤± 1.5
Safe Overload	%FS	150
Ultimate Overload	%FS	300
Excitation, Recommended Voltage	V	5 ~ 12
Excitation, Maximum Voltage	V	18
Input Resistance	Ω	750 ± 20
Output Resistance	Ω	700 ± 4
Insulation Resistance (50V)	MΩ	≥5000
Compensated Temperature	°C	-10 ~ + 40
Operating Temperature	°C	-35 ~ + 65
Storage Temperature	°C	-40 ~ + 70
Load Cell Weight	kg	
Element Material		Nickel plated alloy steel
Ingress Protection (acc. to EN 60529)		IP68
Recommended Torque on Fixation Bolts	Nm	1100
ATEX Classification (optional)		II 1G Ex ia IIC T4 Ga II 1D Ex ia IIIC T 200 135°C Da II 3G Ex ic IIC T4 Gc

Wiring

Features:

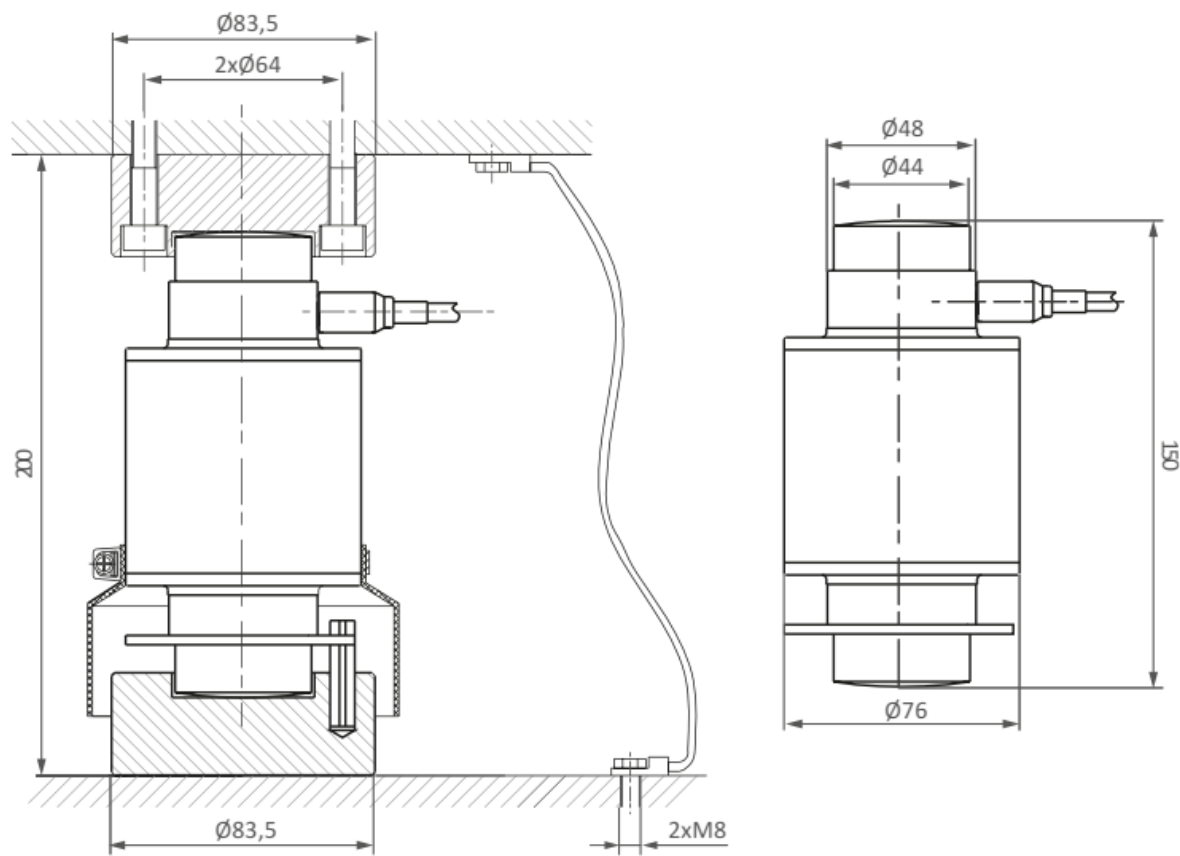
Cable type: Shielded, 4 conductor cable , conductor AWG 24
Cable diameter: Ø 5.5mm
Cable length: 16m (standard), 12m & 20m lengths also available
Cable jacket: PVC
Shield not connected to element

Mode of Connection



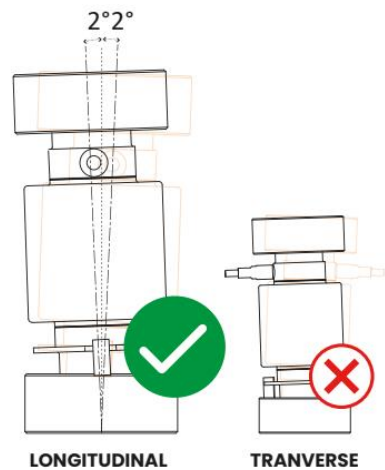
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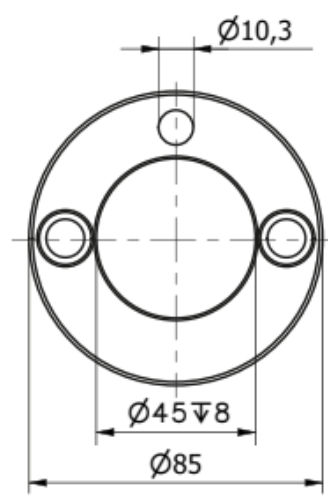
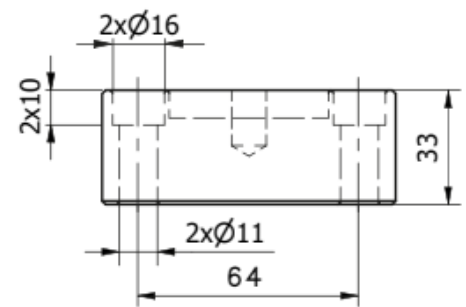
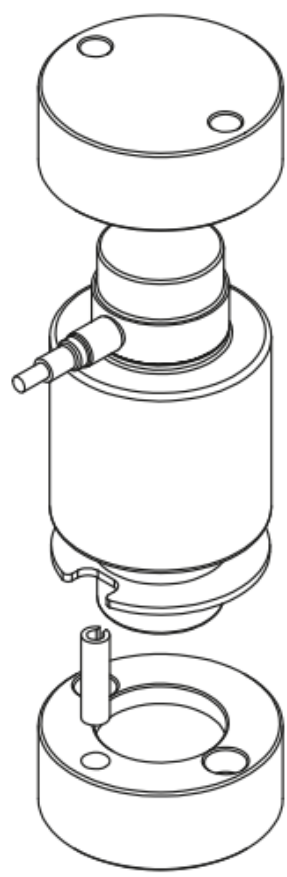
Dimensions in mm



MOVEMENT

Allows lateral movement with up to 2° of inclination (following the longitudinal direction of the platform).





PLATFORM MOUNTING

