

# MB2133

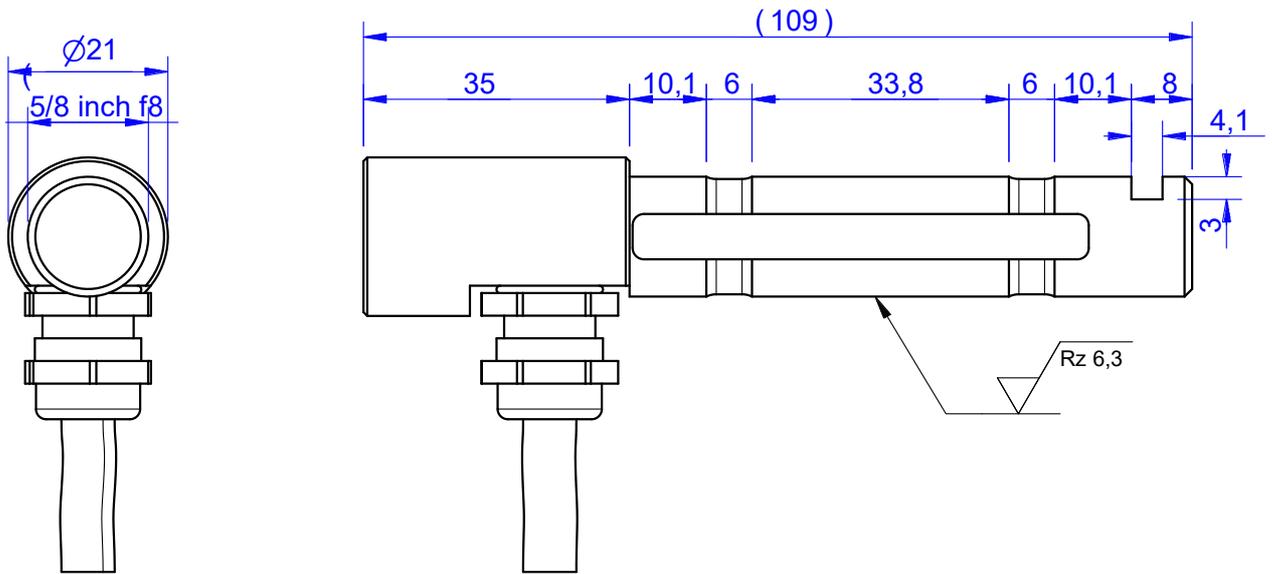
Load Pin

## Content of Loadpin Datasheet

Page 1 ... General

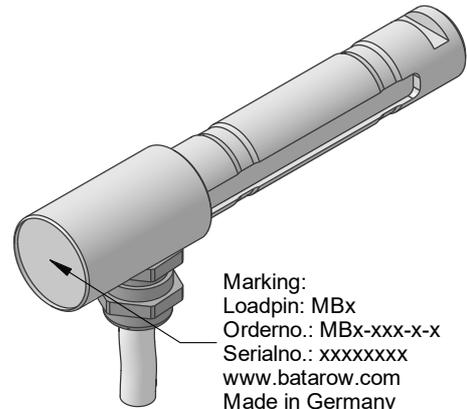
Page 2 ... Mounting Situation

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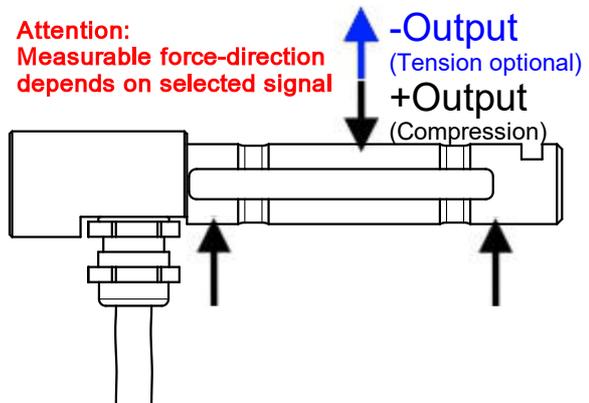
Ordernumber	Capacity [kN] (F.S.)	Uncertainty [kN] (k=2)	Review
MB2133-4-x-D	4	± 0,020	D
MB2133-5-x-D	5	± 0,025	D
MB2133-6-x-D	6	± 0,030	D
MB2133-10-x-D*	10	± 0,050	D
MB2133-12-x-D	12	± 0,060	D

\* above showed version  
fixed dimensions don't change at other capacity



## Specifications:

Dimension / Material		
Material		Stainless Steel
Protection class		IP 66
Hardness (load area)	HRC	40..45
<b>Mechanical Data</b>		
Safe Load Limit	% of F.S.	150
Breaking Load	% of F.S.	300
<b>Precision</b>		
Nonlinearity	% of F.S.	±0,5
Nonrepeatability	% of F.S.	±0,25
Hysteresis	% of F.S.	±0,2
Temp. Shift Zero	% of F.S./K.	±0,05
Temp. Shift Span	% of F.S./K.	±0,05
<b>Temperature</b>		
Compensated Temp.	°C	-10...+60
Operating Temp.	°C	-20...+70



**Batarow**  
Made in Germany

Batarow Sensorik GmbH  
Gewerbegebiet 4  
18276 Lüssow OT Karow

Mail: info@batarow.com  
Phone: +49 (0) 3843-855555  
Fax : +49 (0) 3843-855556

Internet:  
www.batarow.com

# Mounting Situation

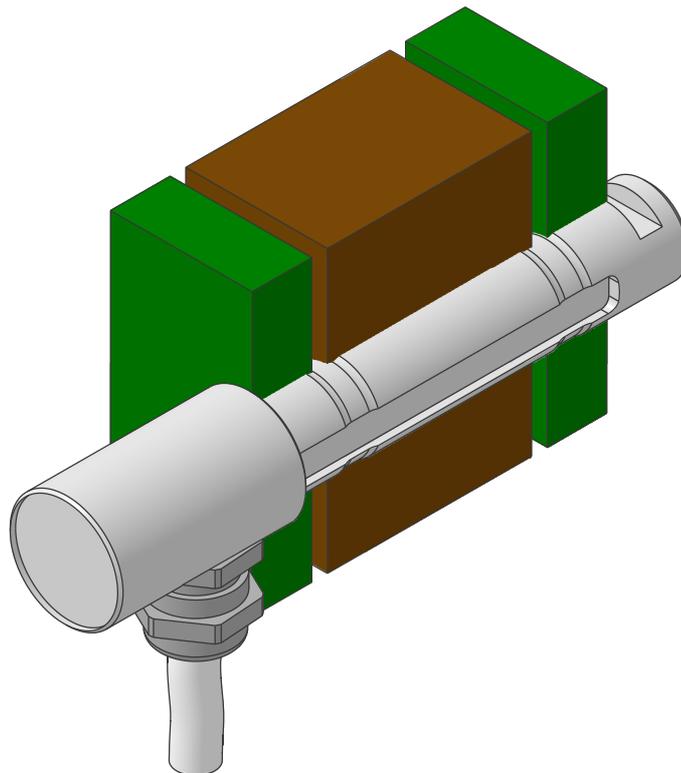
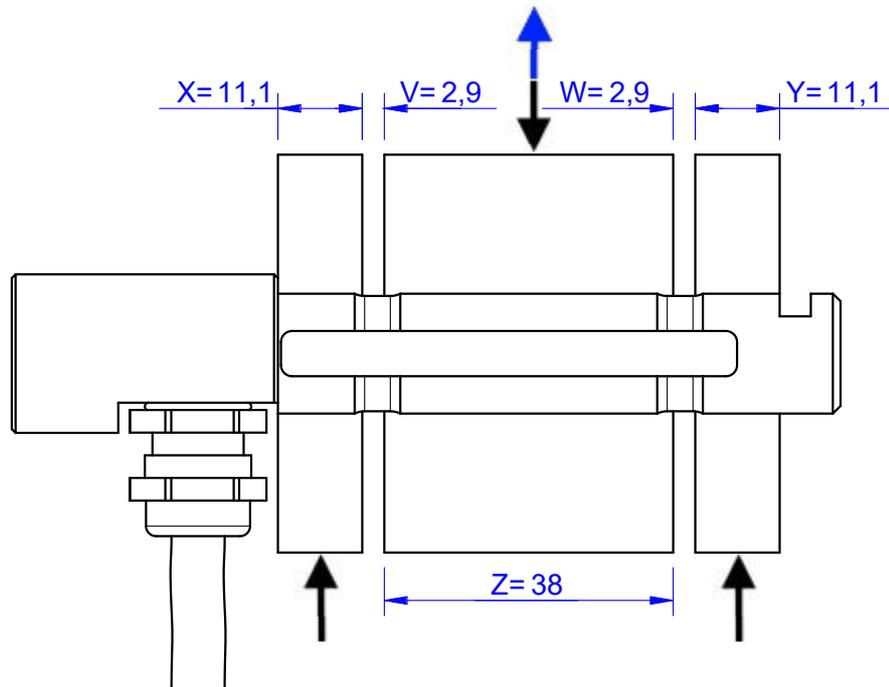
MB2133 Review: D

Bore fit of mounting situation: H7

## Configuration

possible mounting situation / customer mounting could vary

(Please describe mounting situation with Vs, Ws, Xs, Ys and Zs for best possible calibration)



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[www.batarow.com](http://www.batarow.com)

# Output Signal & Wiring

MB2133 Review: D

## Analog Output mV/V (S1)

Electrical Data		
Rated Output	mV/V@F.S.	1
Zero Balance	mV/V	±0,05
Excitation (Maximum)	Volt	10
Input Resistance	Ohm	450±100
Output Resistance	Ohm	352±2
Insulating Resistance	GOhm	>5

Wiringcode: WC52		Cabletype: 24-4 PUR (4x0,14)		
Cable Length	Excitation (+)	Excitation (-)	Bridge (+)	Bridge (-)
3 m	brown	white	green	yellow

Ordernumber Add-On:  
MBxxx-x-S1-x

## Analog Output 0V..10V (U1) (only + output compression\*)

Electrical Data U1		
Output @ 0kN	V	0
Output @ F.S.	V	10
Supply Voltage	V	14..28
Current Consumption	mA	25 (@ 24V)
Bandwidth	kHz	1

Wiringcode: WC514				
Integrated Amplifier GSV				
Cabeling: 3 m 5x0,14 Unitronic FD CP Plus				
Supply(+)	GND Supply	Output	Tare	Scale
brown	white	green	yellow	gray

Ordernumber Add-On:  
MBxxx-x-U1-x

## Analog Output 4..20mA (I1) (only + output compression\*)

Electrical Data I1		
Output @ 0kN	mA	4
Output @ F.S.	mA	20
Supply Voltage	V	9..28
Current Consumption	mA	45 (@ 24V)
Bandwidth	kHz	1

Wiringcode: WC514				
Integrated Amplifier GSV				
Cabeling: 3 m 5x0,14 Unitronic FD CP Plus				
Supply(+)	GND Supply	Output	Tare	Scale
brown	white	green	yellow	gray

Ordernumber Add-On:  
MBxxx-x-I1-x

Attention: Nipple orientation of connector is not fixed. In case of 90° connector - it is necessary to set by customer.

\*Attention: With this output configuration is no negative signal (Tension) possible. Please ask our engineering for 4..12..20mA; 1..5..9V or ±10V versions.

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