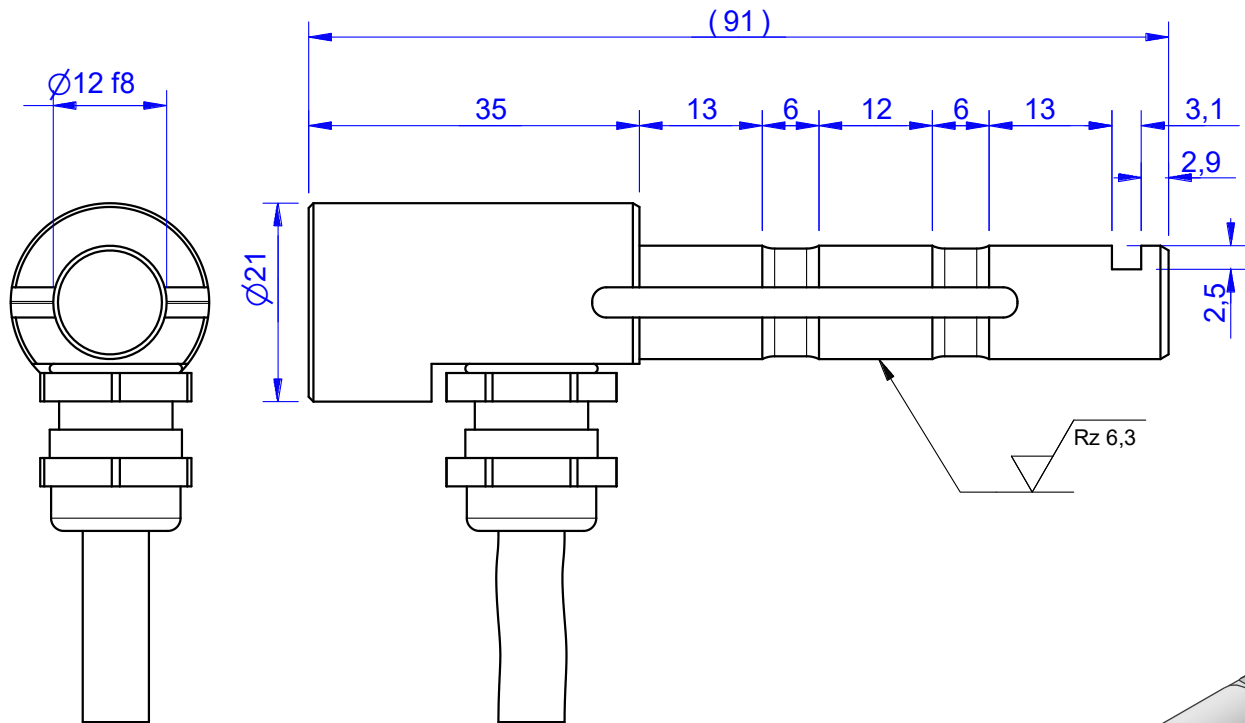


MB2189

Load Pin

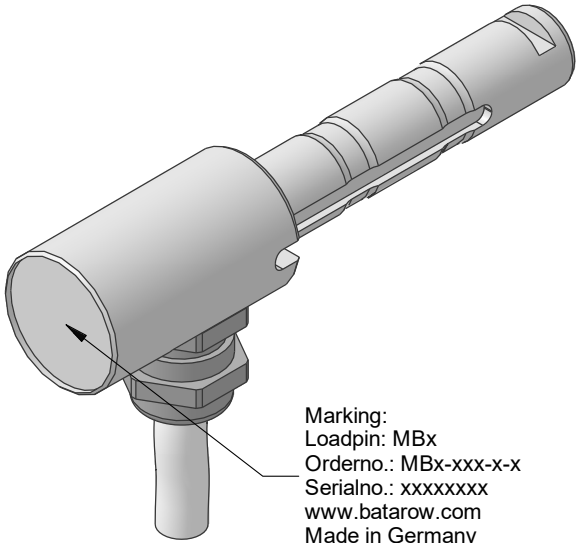
Content of Loadpin Datasheet

Page 1 ... General
Page 2 ... Mounting Situation
Page 3 ... Output Signal & Wiring



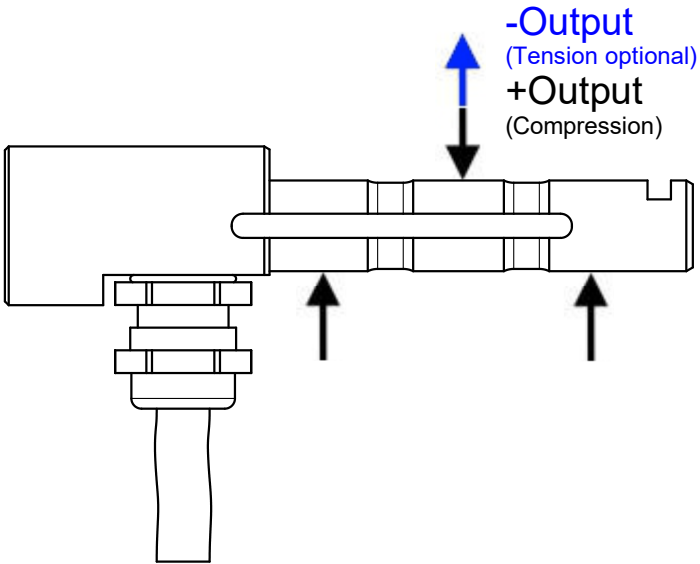
Ordernumber	Capacity [kN] (F.S.)	Uncertainty [kN] (k=2)	Review
MB2189-8,2-x-A	8,2	$\pm 0,041$	A
MB2189-8,5-x-A	8,5	$\pm 0,043$	A
MB2189-9-x-A*	9	$\pm 0,045$	A

* 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
Mechanical Data		
Safe Load Limit	% of F.S.	120
Breaking Load	% of F.S.	240
Precision		
Nonlinearity	% of F.S.	$\pm 0,5$
Nonrepeatability	% of F.S.	$\pm 0,25$
Hysteresis	% of F.S.	$\pm 0,2$
Temp. Shift Zero	% of F.S./K.	$\pm 0,05$
Temp. Shift Span	% of F.S./K.	$\pm 0,05$
Temperature		
Compensated Temp.	°C	-10...+60
Operating Temp.	°C	-20...+70



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Mounting Situation

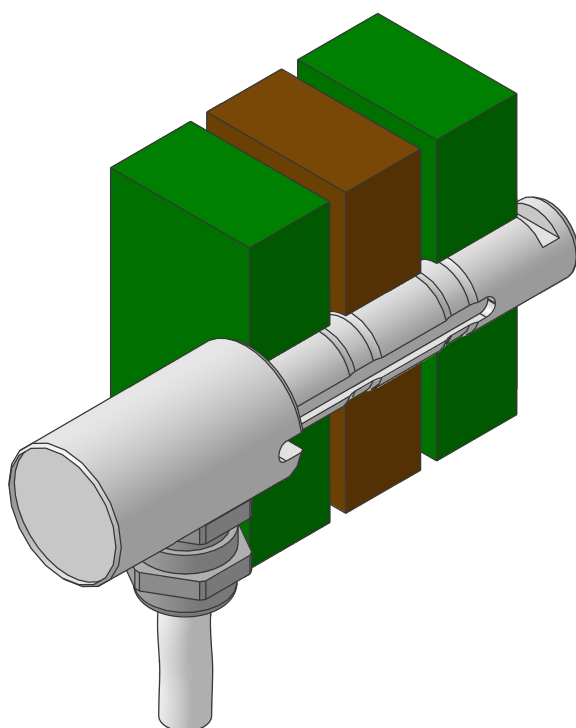
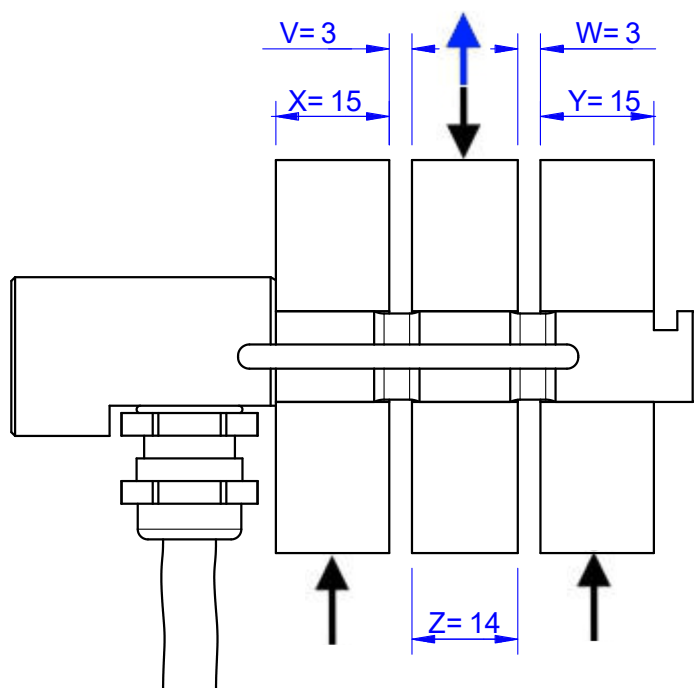
MB2189 Review: A

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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Output Signal & Wiring

MB2189 Review: A

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: 4x0,14xLapp FD		
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: 5 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: 5 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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