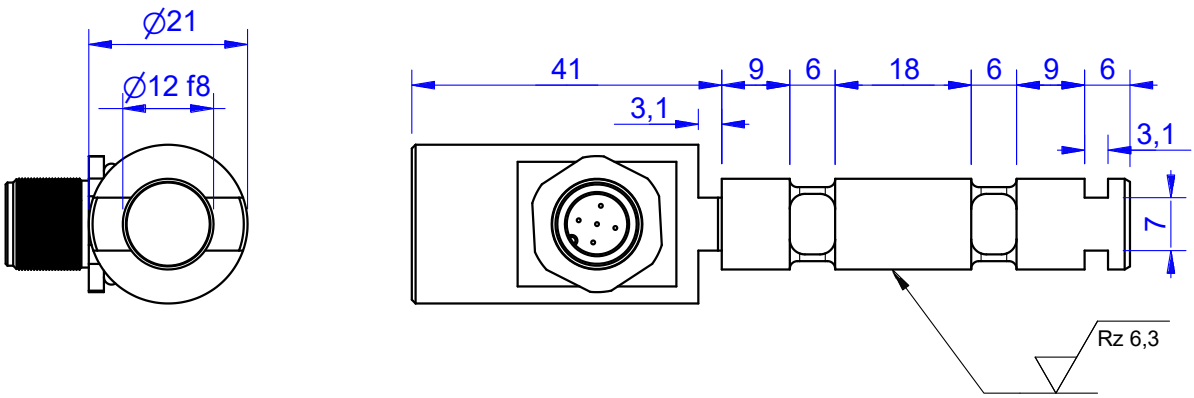
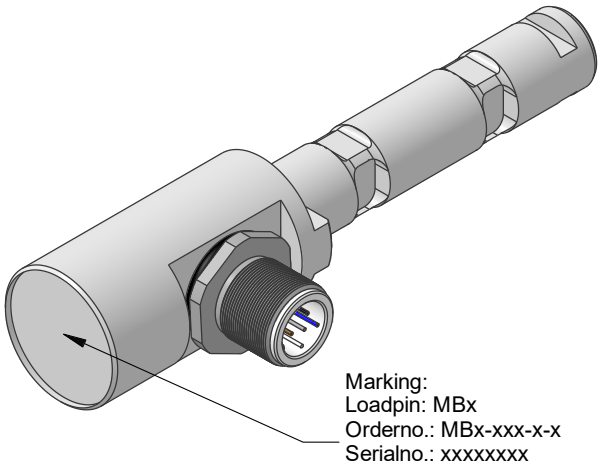
MB2191
Load Pin

Content of Loadpin Datasheet



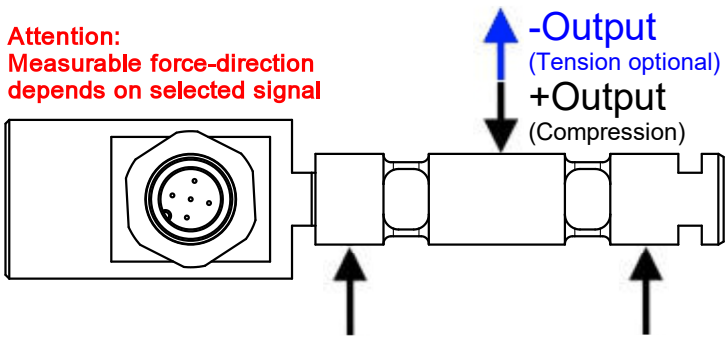
Ordernumber	Capacity [kN] (F.S.)	Uncertainty [N] (k=2)	Review
MB2191-0,9-x-A*	0,9	± 4,5	A
MB2191-1-x-A	1	± 5,0	A
MB2191-2-x-A	2	± 10,0	A
MB2191-3-x-A	3	± 15,0	A
MB2191-5-x-A	5	± 25,0	A

* 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.	150
Breaking Load	% of F.S.	300
Precision		
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
Temperature		
Compensated Temp.	°C	-10...+60
Operating Temp.	°C	-20...+70



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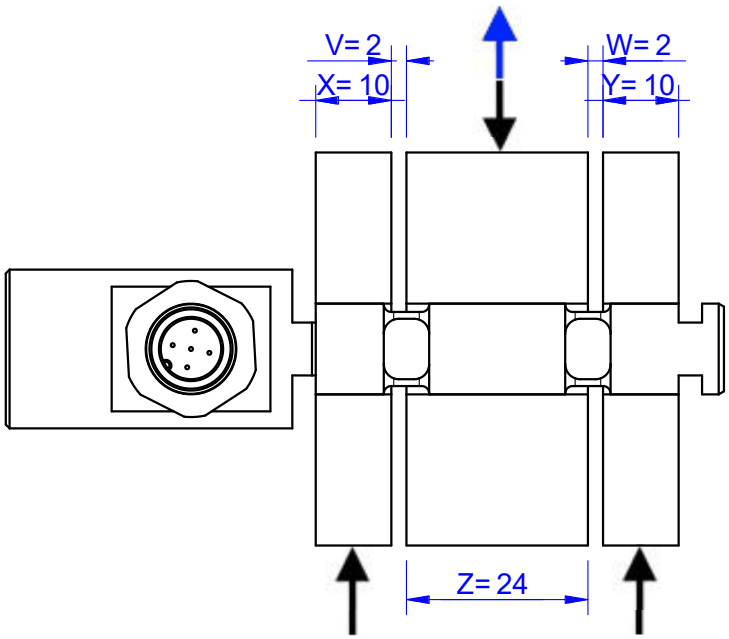
Mounting Situation

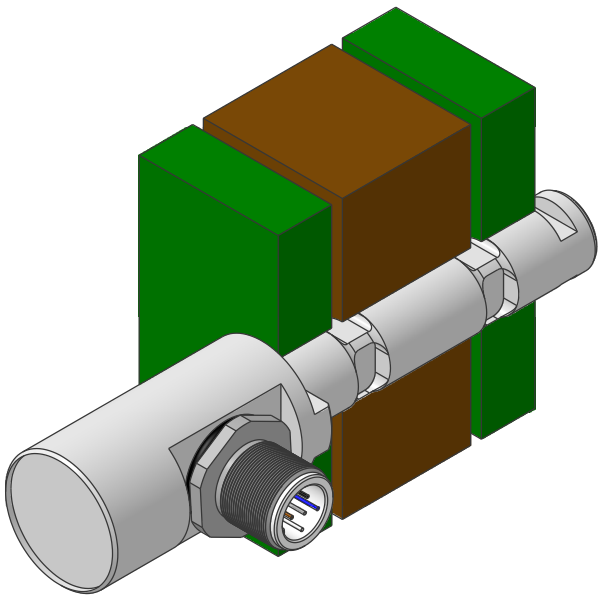
MB2191 Review: A

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

MB2191 Review: A

Analog Output mV/V (S1)

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

Wiringcode: WC58		Connectortype: M12 (male)		
	Exitation (+)	Exitation (-)	Bridge (+)	Bridge (-)
	Pin 1	Pin 2	Pin 3	Pin 4

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 Consumtion	mA	25 (@ 24V)
Bandwidth	kHz	1

Wiringcode: WC46		Connectortype: M12 (male plug)			
 View: plug side	Supply (+)	Output	GND	Tara	Scale
	Pin 1	Pin 4	Pin 3	Pin 2	Pin 5

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 Consumtion	mA	45 (@ 24V)
Bandwidth	kHz	1

Wiringcode: WC46		Connectortype: M12 (male plug)			
 View: plug side	Supply (+)	Output	GND	Tara	Scale
	Pin 1	Pin 4	Pin 3	Pin 2	Pin 5

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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