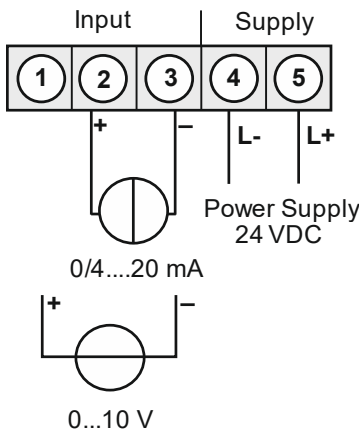




**MB1 – bargraph display in 48x24 mm (BxH)**  
**Direct voltage / direct current signals 0-10 VDC, 0/4-20 mA**  
**Switchable bargraph colours:**  
**Standard red/green, optionally green/orange or blue/red**

- 10 point bargraph display – NEW: colour: red or green, selectable via decode switch
- minimum installation depth: 30 mm without plug-in screw terminal
- adjustable via HEX switch and push-button
- pre-adjusted input for standard signals 0-10 V and 0/4-20 mA
- free adjustment on the input signal
- 8 different display types adjustable as bar, dot/point or curtain
- free choice of direction and display of centre (e.g. bars starting from the middle of display)
- control of bightness level in stages
- protection class IP65
- plug-in terminal
- optional: switchable colours green/orange, blue/red

• **Direct current, direct voltage**



Supply 24 VDC

horizontal

**MB1-71RHO.0001.770xD**

**155,10**

vertical

**MB1-71RVO.0001.770xD**

**155,10**

• **Product key options**

M	B	1-	7	1	R	H	O.	0	0	0	1.	7	7	0	x	D
M	B	1-	7	1	R	V	O.	0	0	0	1.	7	7	0	x	D

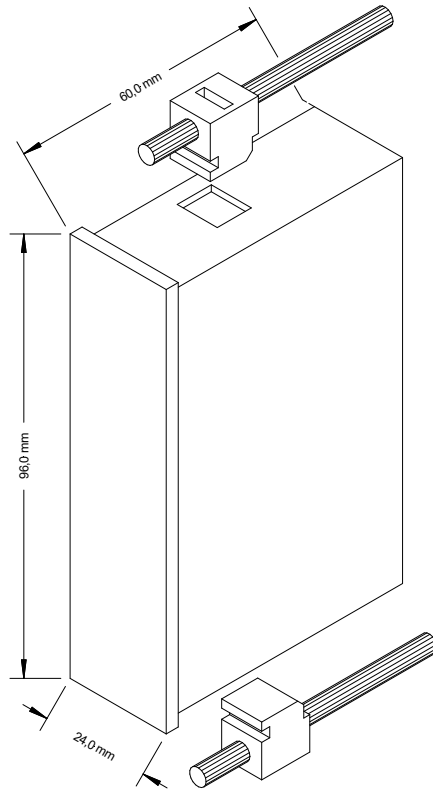
B	Blue/Red bargraph display	31,80
Y	Green/Orange bargraph display	15,90

Please state physical unit in order, e.g. %.

• **Technical data**

<b>Dimensions</b>	Housing Panel cut-out Fixing Housing material Sealing material Protection class Weight Connection	B482 x H24 x D30 mm (D=55 mm incl. plug-in terminal) 45.0 <sup>+0.8</sup> x 22.0 <sup>+0.3</sup> mm screw elements for insulation thickness up to 3 mm PC Polycarbonate; colour: black UL94V-0 EPDM, 65 Shore front IP65 standard, rear side IP00 approx. 100 g plug-in terminal; line cross section up to 2.5 mm <sup>2</sup>
<b>Display</b>	Bargraph Bargraph segment Segment colour Display range Overflow Underflow Display time/Meas. time	10 points 4 mm red/green selectable, optionally green/orange, blue/red 10 point bargraph display all segments are flashing, except the last three segments flashing of the first three bargraph elements approx. 100 ms
<b>Measuring input</b>	Span Measuring range Input resistance Measuring fault Temperature drift Measuring time Measuring principle Resolution	-12...12 V / -22 mA...24 mA 0...10 V / 0/4...20 mA Ri at ~200 kΩ / Ri at ~100 Ω 0.5% of final value, ±1 Digit / 0.5% of final value, ±1 Digit 100 ppm/K approx. 100 ms U/F-converter approx. 14 Bit at 0.1 s measuring time
<b>Power pack</b>	Supply	24 VDC, ±10% (max. 2 VA)
<b>Memory</b>	EEPROM	Data life ≥ 100 years at 25°C
<b>Ambient conditions</b>	Working temperature Storing temperature Climatic density	0 to +60°C -20 to +80°C relative humidity 0-85% on years average without dew
<b>CE-sign</b>	Conformity to directive 2014/30/EU	
<b>EMV</b>	EN 61326, EN 55011	
<b>Safety standard</b>	According to low voltage directive 2014/35/EU, EN 61010, EN 50554-1	

**Housing:**



**• Ordering code**

		M	B	1-	7	1	R	H	O.	0	0	0	1.	7	7	0	x	D	
<b>Basic type M-Line</b>																			<b>Dimension</b>
Bargraph display		B																	D physical unit
<b>Installation depth</b>																			<b>Version</b>
55 mm (incl. plug-in terminal)					1														x internal version
<b>Housing size</b>																			<b>Setpoints</b>
B48xH24xD30 mm					7														0 no setpoints
<b>Resolution</b>																			<b>Protection class</b>
10 points					1														7 IP65 / plug-in terminal
<b>Display colours</b>																			<b>Voltage supply</b>
Green/Orange																			7 24 VDC galv. isolated
Red/Green																			<b>Measuring input</b>
Blue/Red																			1 Standard signal 0/4-20 mA, 0-10 VDC
<b>Adjustment</b>																			<b>Analog output</b>
Horizontal																			0 without
Vertical																			<b>Sensor supply</b>
<b>Digital display</b>																			0 without
without																			<b>Interface</b>
																			0 without