ETH messtechnik gmbh

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Datasheet

Digital Panelmeter

M2

for torque and speed measurement of pickups,

with speed options

The device series M2 is equipped with a MIN / MAX memory and optional with two relay outputs. The powerful LED's and simple operation via keypad facilitate the handling of the equipment in daily operation. The display of this instrument installation is 5 digits and can be scaled relative to the input frequency.

Assembly dimension	Power supply	Order code
96 x 48	DC 10 - 30 V	M2-1FR5B.0007.670CD
96 x 48	230 V AC	M2-1FR5B.0307.570CD

Available options

M2	1FR5B	0307	57	2	CD

Switching points:	
None	0
2 Relay outputs	2

Subject to change without notice

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Mechanical dimensions

Housing (B x H x T)	96 x 48 x 94
Panel recess (B x H)	$92{,}0\ ^{+\,0{,}8}$ x $45{,}0\ ^{+\,0{,}6}$

Technical Specifications

Protection	
Front:	IP 65
Rear:	IP 00
Connection	
Rückseitig:	via plug-in-terminals up to 2,5mm²
Measuring input	
signal:	Pulse input; 3-core-initiator
Input resistance:	Ri at 10V ≥ 4 kΩ High/Low level => 15 V / < 4 V High/low TTL-level = > 4,6 V / < 1,9 V
Input frequency:	0,01 Hz to 999,99 kHz
Accuracy	
Measuring fault:	± 0,05 % of full scale
Temp. drift:	50 ppm/K
Output	
Relay output:	with change-over contact 250 V / 5 AAC, 30 V / 5 ADC
Indication	
Display:	LED with 7 segments, 14mm high 5 digits=display -19999 to 99999 Digit
Overflow:	transversal bars at the head
Underflow:	transversal bars at the bottom
Display time:	0,1 to 10,0 seconds
Environmental conditions	
Operating temperature:	0 to +50 °C
Storing temperature:	-20 to +80 °C
Power supply	
Voltage:	230 VAC +/- 10 % (max. 10 VA) 10-30 VDC +/- 10 %, galvanically separated (max. 4 VA)

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