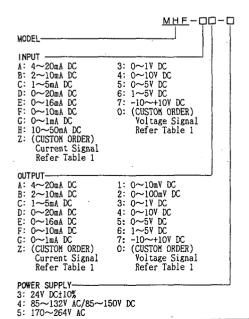
Model MHF Super High Speed Isolator is plug-in type signal conditioner to convert DC voltage or current signal into isolated DC voltage or current signal.

• 63% response, 50µs super high speed conversion
(Available 2000V AC high voltage proof specifications upon request)

Input & Output			
Input signal	DC current or voltage signal		
Input resistance	Voltage input: 1M0 (100k) when now - FFV		
input resistance	Voltage input: 1MA (100kA when power off)		
i	Current input: Receiving resistor value outset to socket		
	Input Range		
	4~20mA DC : 250Ω		
	2~10mA DC : 500Ω 0~16mA DC : 250Ω 10~50mA DC : 100Ω		
	$1\sim 5$ mA DC: 1 kQ $0\sim 1$ OmA DC: 500 Q		
Permissible applicable	When voltage input: Less than ±30V DC		
input	When current input: Current to satisfy		
	(input current) ² x input resistance ≤ 0.5W		
Output signal	DC current or voltage signal		
Permissible load	Output Range Output Range		
resistance	$4\sim20$ mA DC : less than 7500 0 ~10 mV DC : more than 250k0		
ł	$2\sim10$ mA DC : less than 1500Ω O ~100 mV DC : more than 250 k Ω		
\	$1\sim5$ mA DC : less than 3000Ω $0\sim1$ V DC : more than 2 kΩ $0\sim2$ 0 mA DC : less than 75 0Ω $0\sim1$ 0V DC : more than 10 kΩ		
	$0\sim$ 20mA DC : less than 7500 $0\sim$ 10V DC : more than 10 kO		
1	$0\sim16$ mA DC : less than 900Ω $0\sim5$ V DC : more than $2k\Omega$ $0\sim10$ mA DC : less than 1500Ω $1\sim5$ V DC : more than $2k\Omega$		
	$0\sim 10$ MA DC: less than 1500Ω $1\sim 5$ V DC: more than 2 k Ω		
	$0\sim 1$ mA ³ DC : less than 15 kQ $-10\sim +10$ V DC : more than 10 kQ		
Zero point adjust range	±5% of span		
Span adjust	15% of span		
Standard Performance			
Accuracy rating	±0.1% of span (In case of current input, outer set resistor		
	accuracy of ±0.1% is not included)		
Response Speed	$50\mu s$ 63% response ($10\sim90\%$ step)		
Insulation resistance	100MΩ/500V DC between input~output~power supply~ground		
Withstand voltage	1500V AC/1 minute between input~output~power supply~ground		
Temperature range	0~50° C		
Humidity range	5~90%RH (no condensation)		
Power supply voltage	$24V DC\pm 10\%$, $85\sim 132V AC (47\sim 63Hz)$, $85\sim 150V DC$, $170\sim 264V AC (47\sim 63Hz)$		
Effect of power supply	Less than ±0.1% of span for power fluctuation of 24V DC±10%,		
voltage fluctuation	85~132V AC (47~63Hz), 85~150V DC, 170~264V AC (47~63Hz)		
Effect of ambient	Less than t0.2% of span for 10°C change		
temperature change			
Current dissipation	24V DC 90mA, 110V DC 19mA		
Power dissipation	100V AC 5.5VA, 200V AC 8.5VA		
Mounting, Shape & Accessories			
Material	Case ABS plastic		
Mounting method	Wall or DIN rail mounting		
1	(more than 5mm interval is required for access mounting)		
Connecting method	M3.5 screw terminal		
External dimension	85(H)x50(W)x123(D)mm (including socket)		
Weight	Body: approx. 290g, Socket: approx. 60g		
Accessories	Spacer: 1 (Use for DIN rail mounting), Tag Number Range Label: 2		
	Module Resistor: 1 (for use when current input)		
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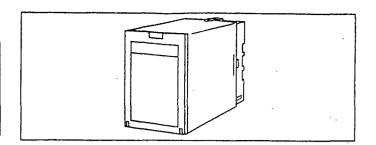
ORDERING INFORMATION (Example) Model Code: MHF-66-3



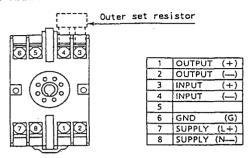
CUSTOM ORDER SPECIFICATIONS

Table 1 Manufacturable Range

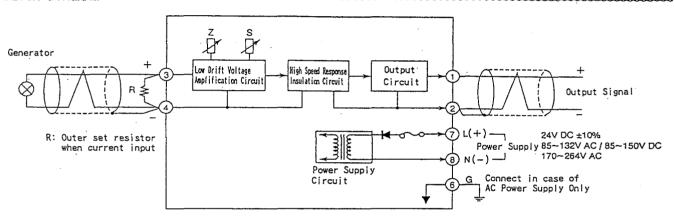
Tubic 1 Maria actionate name			
	Current Signal	Voltage Signal	
Input Range	0∼70mA	-300~+300V	
Span	1mA∼70mA	1V~600V	
Zero Elevation	0~25%	-125~25%	
Output Range	0∼24mA	-10~10V DC	
Span	1∼24mA	10mV~20V DC	
Zero Elevation	0~200%	-100~200%	



TERMINAL ARRANGEMENT -----

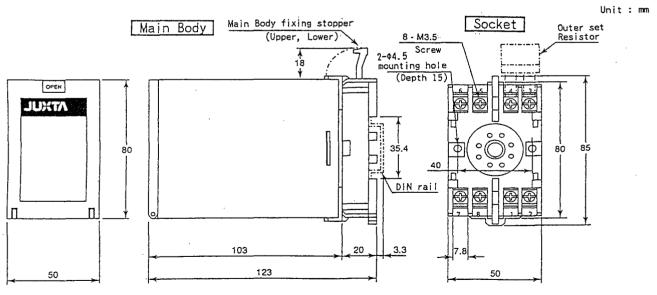


BLOCK DIAGRAM



(Note) Noise containing frequency elements within measuring range (less than 10kHz) would not be attenuated in principle since this instrument is deviced as super high speed response. Therefore, use shield twisted cable so as noise would not be induced in signal cable.

EXTERNAL DIMENSION ----



Subject to change without notice for grade up quality and performance