

The MS3717 is a slim plug-in distributor that powers a two-wire transmitter, extracts the square roots of its 4 to 20mA signals, converts them into commonly used DC signals, and provides isolated single or dual output. This model features a square-root extraction function.

### ORDERING CODE



**D**: 24V DC **P**: 100 to 240V DC

#### Input

4 to 20mA DC from 2-wire transmitters

### Output 1 -

<b>A</b> : 4 to 20mA DC	<b>1</b> : 0 to 10mV DC
<b>D</b> : 0 to 20mA DC	<b>2</b> : 0 to 100mV DC
<b>Z</b> : Other DC current signals	<b>3</b> : 0 to 1V DC
	<b>4</b> : 0 to 10V DC
	<b>5</b> : 0 to 5V DC
	<b>6</b> : 1 to 5V DC
	<b>3W</b> : ±1V DC
	<b>4W</b> : ±10V DC
	<b>5W</b> : ±5V DC

**0**: Other DC voltage signals

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# Output 2 -

#### No code: None The codes are the same as for Output 1.

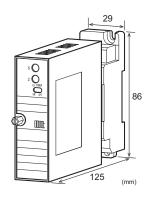
Note 1: When a voltage output is selected for Output 1, a current output cannot be selected for Output 2.

Note 2: When the code A (4 to 20mA) is selected for both of the two outputs, the output load will be  $550\Omega$ maximum for Output 1 and  $350\Omega$  maximum for Output 2.

## Options

### No code: None

- **/K**: Fast response (0 to 90% response time: 10ms max.) **/L**: Dual current output with high output load
- $(OUT-1: 750\Omega / OUT-2: 550\Omega)$
- /H: Polyurethane conformal coating
- IX: Others (Special order)
- \* For non-standard options, ask MTT for availability.



### **ORDERING INFORMATION**

To place an order, please use the ordering code format as shown on the left. (e.g.) MS3717-A-66

Other Ordering Examples:

For an output code of "0": MS3717-A-60 (Output: 2 to 5V) For an option code of "X": MS3717-A-66/X (Response frequency: 50Hz) Note: If you wish to include multiple options in your order, specify the option codes in series (e.g. /KX).

### SPECIFICATIONS

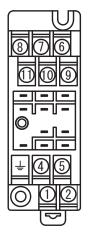
POWER SECTIO	N		
Power	100 to 240V AC: 85 to 264V AC		
Requirements	(47 to 63Hz)		
	24V DC: 24V DC±10%		
	100 to 240V DC: 85 to 264V DC		
Power Sensitivity	Better than $\pm 0.1\%$ of span for each		
	power supply range.		
Power Line Fuse	160mA fuse is installed (standard).		
Power Consumption			
Power 100-24	40VAC	24V DC	100-240V DC
Single Output 7.5V	A max	2.4W max	8.5W max
Dual Output 7.5V	A max	2.9W max	9.0W max
●INPUT SECTION			
Input Signal	4 to 201	nA DC from	2-wire
transmitters			
Input Resistance	250Ω		
Transmitter Power Output voltage:			
Supply		25V, typical.	(0% input)
	18V, typical. (100% input)		
	Maximum current: 25mA, typical.		
Limit Current for	26mA (typ.)		
Short-Circuit	* The unit has a built-in		
Protection	short-circuit detection circuit.		
Permissible	Continuous.		
Short-Circuit			
Duration			

Product Specification Sheet Model: MS3717 Slim Plug-In Distributor with Isolated Single/Dual Output (with Square-Root Extraction Function)

Maximum Output Lo	bad	
Voltage Output	1V span and up	2mA max.
(DC)	10mV	$10k\Omega$ min.
	100mV	$100k\Omega$ min
Current Output	4-20mA single output	$750\Omega$ max.
(DC)	4-20mA dual output	Output 1:
(20)	· zonn i adai o aipar	$550\Omega$ max.
		Output 2:
		$350\Omega$ max.
Zero Adjustment	Approx. ±5% of span.	
	(Adjustable by the fron	t-accessible
	trimmer.)	
Span Adjustment	Approx. $\pm 5\%$ of span.	
	(Adjustable by the fron	t-accessible
	trimmer.)	
Square-Root	$X = 10 \times \sqrt{Y}$	
Extraction	where	
Function	X = Output signal (0 to	
	Y = Input signal (0 to 1)	
	Note: X will be 0% wh	
	less than or equal	to 1%.
Ranges Available		
_	e	oltage Signal
Output Range (DC)	0 to 20mA	-10 to 10V
Output Span (DC)		0mV to 20V
Output Bias		100 to 100%
	ignals, the accuracy of an	y current
output smaller than	0.1mA is not guaranteed.	
	or 4 to 20mA output, the o	output span is
Output Spec. Ex.1: Fo		output span is
Output Spec. Ex.1: Fo 16	or 4 to 20mA output, the o	
Output Spec. Ex.1: Fo 16 Output Spec. Ex. 2: F	or 4 to 20mA output, the of $M$ and the bias +25%.	
Output Spec. Ex.1: Fo 16 Output Spec. Ex. 2: F 49	or 4 to 20mA output, the of 5mA and the bias +25%. or 4 to 8V output, the out V and the bias +100%.	
Output Spec. Ex.1: For 16 Output Spec. Ex. 2: F 47 OUTPUT Spec. Ex. 2: F	or 4 to 20mA output, the of 5mA and the bias +25%. or 4 to 8V output, the out V and the bias +100%.	put span is
Output Spec. Ex.1: For 16 Output Spec. Ex. 2: F 47 OUTPUT Spec. Ex. 2: F	by 4 to 20mA output, the of 5mA and the bias +25%. or 4 to 8V output, the out V and the bias +100%. <b>E</b> Better than $\pm 0.2\%$ of sp	put span is
Output Spec. Ex.1: For 16 Output Spec. Ex. 2: F 47 <b>PERFORMANC</b> Accuracy Rating	or 4 to 20mA output, the of 5mA and the bias +25%. or 4 to 8V output, the out V and the bias +100%. <b>EE</b> Better than ±0.2% of sp input of 1 to 100%, at 2	put span is pan (with 25°C±5°C).
Output Spec. Ex.1: For 16 Output Spec. Ex. 2: F 47 <b>PERFORMANC</b> Accuracy Rating Temperature	or 4 to 20mA output, the of 5mA and the bias +25%. or 4 to 8V output, the out V and the bias +100%. Better than ±0.2% of sp input of 1 to 100%, at 2 Better than ±0.2% of sp	put span is pan (with 25°C±5°C).
Output Spec. Ex.1: For 16 Output Spec. Ex. 2: F 47 <b>PERFORMANC</b> Accuracy Rating Temperature Effect	or 4 to 20mA output, the of 5mA and the bias +25%. or 4 to 8V output, the out V and the bias +100%. Better than ±0.2% of sp input of 1 to 100%, at 2 Better than ±0.2% of sp change in ambient.	put span is ban (with 25°C±5°C). ban per 10°C
Output Spec. Ex.1: For 16 Output Spec. Ex. 2: F 47 <b>PERFORMANC</b> Accuracy Rating Temperature Effect	or 4 to 20mA output, the of 5mA and the bias +25%. or 4 to 8V output, the out V and the bias +100%. <b>E</b> Better than ±0.2% of sp input of 1 to 100%, at 2 Better than ±0.2% of sp change in ambient. 85ms max. (0 to 90%)	put span is ban (with 25°C±5°C). ban per 10°C
Output Spec. Ex.1: For 16 Output Spec. Ex. 2: F 47 <b>PERFORMANC</b> Accuracy Rating Temperature Effect Response Time	or 4 to 20mA output, the of 5mA and the bias +25%. or 4 to 8V output, the out V and the bias +100%. E Better than ±0.2% of sp input of 1 to 100%, at 2 Better than ±0.2% of sp change in ambient. 85ms max. (0 to 90%) input at 100%.	tput span is pan (with 25°C±5°C). pan per 10°C with a step
Output Spec. Ex.1: For 16 Output Spec. Ex. 2: F 47 <b>PERFORMANC</b> Accuracy Rating Temperature Effect Response Time CMRR	by 4 to 20mA output, the of 5mA and the bias +25%. or 4 to 8V output, the out V and the bias +100%. <b>CE</b> Better than $\pm 0.2\%$ of sp input of 1 to 100%, at 2 Better than $\pm 0.2\%$ of sp change in ambient. 85ms max. (0 to 90%) input at 100%. 100dB min. (500V AC,	tput span is $25^{\circ}C\pm 5^{\circ}C$ . $25^{\circ}C\pm 5$
Output Spec. Ex.1: For 16 Output Spec. Ex. 2: F 47 <b>PERFORMANC</b> Accuracy Rating Temperature Effect Response Time CMRR	<ul> <li>br 4 to 20mA output, the of 5mA and the bias +25%.</li> <li>br 4 to 8V output, the out V and the bias +100%.</li> <li><b>E</b></li> <li>Better than ±0.2% of spinput of 1 to 100%, at 2 Better than ±0.2% of spichange in ambient.</li> <li>85ms max. (0 to 90%) input at 100%.</li> <li>100dB min. (500V AC, 4-way isolation betwee</li> </ul>	tput span is (with) $25^{\circ}C\pm 5^{\circ}C).$ (x)
Output Spec. Ex.1: For 16 Output Spec. Ex. 2: F 47 <b>PERFORMANC</b> Accuracy Rating Temperature Effect Response Time CMRR Isolation	or 4 to 20mA output, the of 5mA and the bias +25%. or 4 to 8V output, the out V and the bias +100%. <b>E</b> Better than ±0.2% of sp input of 1 to 100%, at 2 Better than ±0.2% of sp change in ambient. 85ms max. (0 to 90%) input at 100%. 100dB min. (500V AC, 4-way isolation betwee output 1, output 2, and	tput span is $25^{\circ}C\pm 5^{\circ}C$ ). $25^{\circ}C\pm 5^{\circ}C$ ). $25^{\circ}C\pm 5^{\circ}C$ with a step 50/60Hz) n input, power.
Output Spec. Ex.1: For Contput Spec. Ex. 2: F 4 Output Spec. Ex. 2: F 4 OPERFORMANC Accuracy Rating Temperature Effect Response Time CMRR Isolation Insulation	or 4 to 20mA output, the of 5mA and the bias +25%. or 4 to 8V output, the out V and the bias +100%. <b>E</b> Better than ±0.2% of sp input of 1 to 100%, at 2 Better than ±0.2% of sp change in ambient. 85ms max. (0 to 90%) input at 100%. 100dB min. (500V AC, 4-way isolation betwee output 1, output 2, and 100MΩ min. (@ 500V	tput span is $(with 25^{\circ}C\pm5^{\circ}C)$ . $(with a step - 10^{\circ}C)$ (with a step - 50/60Hz) (n input, power DC) between
Output Spec. Ex.1: For It Output Spec. Ex. 2: F 47 <b>PERFORMANC</b> Accuracy Rating Temperature Effect Response Time CMRR Isolation Insulation	by 4 to 20mA output, the of 5mA and the bias +25%. or 4 to 8V output, the out V and the bias +100%. <b>E</b> Better than $\pm 0.2\%$ of sp input of 1 to 100%, at 2 Better than $\pm 0.2\%$ of sp change in ambient. 85ms max. (0 to 90%) input at 100%. 100dB min. (500V AC, 4-way isolation betwee output 1, output 2, and 100M\Omega min. (@ 500V input, output 1, output 2	tput span is $(with 25^{\circ}C\pm5^{\circ}C)$ . $(with a step - 10^{\circ}C)$ (with a step - 50/60Hz) (n input, power DC) between
Output Spec. Ex.1: For 16 Output Spec. Ex. 2: F 47 <b>PERFORMANC</b> Accuracy Rating Temperature Effect Response Time <u>CMRR</u> Isolation Insulation Resistance	<ul> <li>br 4 to 20mA output, the of 5mA and the bias +25%.</li> <li>br 4 to 8V output, the out V and the bias +100%.</li> <li><b>E</b></li> <li>Better than ±0.2% of spinput of 1 to 100%, at 2 Better than ±0.2% of spichange in ambient.</li> <li>85ms max. (0 to 90%) input at 100%.</li> <li>100dB min. (500V AC, 4-way isolation betwee output 1, output 2, and 100MΩ min. (@ 500V input, output 1, output 2 ground.</li> </ul>	tput span is $(with 25^{\circ}C\pm5^{\circ}C)$ . $(with a step - 10^{\circ}C)$ $(with a step - 10^{\circ}C)$ (with
Output Spec. Ex.1: For 16 Output Spec. Ex. 2: F 47 <b>PERFORMANC</b> Accuracy Rating Temperature Effect Response Time <u>CMRR</u> Isolation Insulation Resistance	by 4 to 20mA output, the of 5mA and the bias +25%. or 4 to 8V output, the out V and the bias +100%. <b>E</b> Better than $\pm 0.2\%$ of sp input of 1 to 100%, at 2 Better than $\pm 0.2\%$ of sp change in ambient. 85ms max. (0 to 90%) input at 100%. 100dB min. (500V AC, 4-way isolation betwee output 1, output 2, and 100M\Omega min. (@ 500V input, output 1, output 2 ground. Input / [Output 1/Output	tput span is $(with 25^{\circ}C\pm5^{\circ}C)$ . $(with a step - 10^{\circ}C)$ $(with a step - 10^{\circ}C)$ (with
Output Spec. Ex.1: For 16 Output Spec. Ex. 2: F 47 <b>PERFORMANC</b> Accuracy Rating Temperature Effect Response Time <u>CMRR</u> Isolation Insulation Resistance	or 4 to 20mA output, the of 5mA and the bias +25%. or 4 to 8V output, the out V and the bias +100%. <b>E</b> Better than ±0.2% of sp input of 1 to 100%, at 2 Better than ±0.2% of sp change in ambient. 85ms max. (0 to 90%) input at 100%. 100dB min. (500V AC, 4-way isolation betwee output 1, output 2, and 100MΩ min. (@ 500V input, output 1, output 2 ground. Input / [Output 1/Output Ground]: 2000V AC fo	tput span is $approxembol{constraint} bar (with 25°C±5°C).$ $approxembol{constraint} bar (with a step)$ $approxembol{constraint} bar (with a step)$ ap
Output Spec. Ex.1: For 16 Output Spec. Ex. 2: F 47 <b>PERFORMANC</b> Accuracy Rating Temperature Effect Response Time <u>CMRR</u> Isolation Insulation Resistance	by 4 to 20mA output, the of 5mA and the bias +25%. or 4 to 8V output, the out V and the bias +100%. <b>E</b> Better than $\pm 0.2\%$ of sp input of 1 to 100%, at 2 Better than $\pm 0.2\%$ of sp change in ambient. 85ms max. (0 to 90%) input at 100%. 100dB min. (500V AC, 4-way isolation betwee output 1, output 2, and 100M $\Omega$ min. (@ 500V input, output 1, output 2 ground. Input / [Output 1/Output Ground]: 2000V AC fo (Cutoff current: 0.5mA	tput span is $approxembol{constraint}$ appro
Output Spec. Ex.1: For 16 Output Spec. Ex. 2: F 47 <b>PERFORMANC</b> Accuracy Rating Temperature Effect Response Time <u>CMRR</u> Isolation Insulation Resistance	by 4 to 20mA output, the of 5 mA and the bias +25%. or 4 to 8V output, the out V and the bias +100%. <b>E</b> Better than $\pm 0.2\%$ of sp input of 1 to 100%, at 2 Better than $\pm 0.2\%$ of sp change in ambient. 85ms max. (0 to 90%) input at 100%. 100dB min. (500V AC, 4-way isolation betwee output 1, output 2, and 100M $\Omega$ min. (@ 500V input, output 1, output 2 ground. Input / [Output 1/Output Ground]: 2000V AC fo (Cutoff current: 0.5mA Power / Ground: 2000V	tput span is $an (with 25^{\circ}C \pm 5^{\circ}C).$ $an per 10^{\circ}C$ with a step an input, power. DC) between 2, power, and at 2] / [Power, r 1 minute an input, an input, power. DC) between an input, DC) between an input, between betwee
Output Spec. Ex.1: For 16 Output Spec. Ex. 2: F 47 <b>PERFORMANC</b> Accuracy Rating Temperature Effect Response Time <u>CMRR</u> Isolation Insulation Resistance	by 4 to 20mA output, the of 5 mA and the bias +25%. or 4 to 8V output, the out V and the bias +100%. <b>E</b> Better than $\pm 0.2\%$ of sp input of 1 to 100%, at 2 Better than $\pm 0.2\%$ of sp change in ambient. 85ms max. (0 to 90%) input at 100%. 100dB min. (500V AC, 4-way isolation betwee output 1, output 2, and 100M $\Omega$ min. (@ 500V input, output 1, output 2 ground. Input / [Output 1/Output Ground]: 2000V AC fo (Cutoff current: 0.5mA Power / Ground: 2000V minute (Cutoff current:	tput span is $approxembol{basis}$ $approxembol{bapproxembol{basis}$ $approxembol{basis}$ $approxembol{bas$
Output Spec. Ex.1: For 16 Output Spec. Ex. 2: F 47 <b>PERFORMANC</b> Accuracy Rating Temperature Effect Response Time <u>CMRR</u> Isolation Insulation Resistance	by 4 to 20mA output, the of 5 mA and the bias +25%. or 4 to 8V output, the out V and the bias +100%. <b>E</b> Better than $\pm 0.2\%$ of sp input of 1 to 100%, at 2 Better than $\pm 0.2\%$ of sp change in ambient. 85ms max. (0 to 90%) input at 100%. 100dB min. (500V AC, 4-way isolation betwee output 1, output 2, and 100M $\Omega$ min. (@ 500V input, output 1, output 2 ground. Input / [Output 1/Output Ground]: 2000V AC fo (Cutoff current: 0.5mA Power / Ground: 2000V minute (Cutoff current: Output 1 / Output 2: 500	tput span is $(with 25^{\circ}C\pm 5^{\circ}C)$ . (with a step) (x, 50/60Hz) (x, 50/60Hz) (x
Output Spec. Ex.1: For 16 Output Spec. Ex. 2: F 47 <b>PERFORMANC</b> Accuracy Rating Temperature <u>Effect</u> Response Time <u>CMRR</u> Isolation Insulation Resistance Dielectric Strength	<ul> <li>br 4 to 20mA output, the of 5mA and the bias +25%.</li> <li>br 4 to 8V output, the out V and the bias +100%.</li> <li><b>E</b></li> <li>Better than ±0.2% of spinput of 1 to 100%, at 2 Better than ±0.2% of spinput at 100%.</li> <li>100dB min. (500V AC, 4-way isolation betwee output 1, output 2, and 100MΩ min. (@ 500V input, output 1, output 2, and 100MΩ min. (@ 500V input, output 1, output 2, and 100MΩ min. (2000V AC for (Cutoff current: 0.5mA Power / Ground): 2000V minute (Cutoff current: 0.5mA Power 1 / Output 2: 50 minute (Cutoff current: 0.5mA power 1 / Output 2: 50 minute (Cutoff current: 0.5mA power 1 / Output 2: 50 minute (Cutoff current: 0.5mA power 1 / Output 2: 50 minute (Cutoff current: 0.5mA power 1 / Output 2: 50 minute (Cutoff current: 0.5mA power 1 / Output 2: 50 minute (Cutoff current: 0.5mA power 1 / Output 2: 50 minute (Cutoff current: 0.5mA power 1 / Output 2: 50 minute (Cutoff current: 0.5mA power 1 / Output 2: 50 minute (Cutoff current: 0.5mA power 1 / Output 2: 50 minute (Cutoff current: 0.5mA power 2 / 0.5mA pow</li></ul>	tput span is $a_{25}^{\circ}C\pm 5^{\circ}C$ ). $a_{25}^{\circ}C\pm 5^{\circ}C$ . $a_{25}^{\circ}C\pm 5^{\circ}C\pm 5^{\circ}C$ . $a_{25}^{\circ}C\pm 5^{\circ}C$ . $a_{25}$
Output Spec. Ex.1: For 16 Output Spec. Ex. 2: F 47 <b>PERFORMANC</b> Accuracy Rating Temperature <u>Effect</u> Response Time <u>CMRR</u> Isolation Insulation Resistance Dielectric Strength	by 4 to 20mA output, the of 5 mA and the bias +25%. or 4 to 8V output, the out V and the bias +100%. <b>E</b> Better than $\pm 0.2\%$ of sp input of 1 to 100%, at 2 Better than $\pm 0.2\%$ of sp change in ambient. 85ms max. (0 to 90%) input at 100%. 100dB min. (500V AC, 4-way isolation betwee output 1, output 2, and 100M $\Omega$ min. (@ 500V input, output 1, output 2 ground. Input / [Output 1/Output Ground]: 2000V AC fo (Cutoff current: 0.5mA Power / Ground: 2000V minute (Cutoff current: Output 1 / Output 2: 500	tput span is $an (with 25^{\circ}C \pm 5^{\circ}C).$ $an per 10^{\circ}C$ with a step an input, power. DC) between 2, power, and an 2] / [Power, and an 2] / [Power, and an 2] / [Power, and an 2] / [Power, and an 3) an 4) box AC for 1 5mA) an 4) box AC for 1 5mA) an 4) box AC for 1 5mA)
Output Spec. Ex. 1: For It Output Spec. Ex. 2: F 4 PERFORMANC Accuracy Rating Temperature Effect Response Time CMRR Isolation Insulation Resistance Dielectric Strength Surge Withstand	<ul> <li>br 4 to 20mA output, the of 5mA and the bias +25%.</li> <li>br 4 to 8V output, the out V and the bias +100%.</li> <li><b>E</b></li> <li>Better than ±0.2% of spinput of 1 to 100%, at 2 Better than ±0.2% of spinput at 100%.</li> <li>100dB min. (500V AC, 4-way isolation betwee output 1, output 2, and 100MΩ min. (@ 500V input, output 1, output 2, and 100MΩ min. (@ 500V input, output 1, output 2, and 100MΩ min. (2000V AC for (Cutoff current: 0.5mA Power / Ground): 2000V minute (Cutoff current: 0.5mA Power 1 / Output 2: 50 minute (Cutoff current: 0.5mA power 1 / Output 2: 50 minute (Cutoff current: 0.5mA power 1 / Output 2: 50 minute (Cutoff current: 0.5mA power 1 / Output 2: 50 minute (Cutoff current: 0.5mA power 1 / Output 2: 50 minute (Cutoff current: 0.5mA power 1 / Output 2: 50 minute (Cutoff current: 0.5mA power 1 / Output 2: 50 minute (Cutoff current: 0.5mA power 1 / Output 2: 50 minute (Cutoff current: 0.5mA power 1 / Output 2: 50 minute (Cutoff current: 0.5mA power 1 / Output 2: 50 minute (Cutoff current: 0.5mA power 2 / 0.5mA pow</li></ul>	tput span is $an (with 25^{\circ}C \pm 5^{\circ}C).$ $an per 10^{\circ}C$ with a step an input, power. DC) between 2, power, and an 2] / [Power, and an 2] / [Power, and an 2] / [Power, and an 2] / [Power, and an 3) an 4) box AC for 1 5mA) an 4) box AC for 1 5mA) an 4) box AC for 1 5mA)
Output Spec. Ex.1: For It Output Spec. Ex. 2: F 47 <b>PERFORMANC</b> Accuracy Rating Temperature Effect Response Time CMRR Isolation Insulation	or 4 to 20mA output, the of 5mA and the bias +25%. or 4 to 8V output, the out V and the bias +100%. <b>E</b> Better than $\pm 0.2\%$ of sp input of 1 to 100%, at 2 Better than $\pm 0.2\%$ of sp change in ambient. 85ms max. (0 to 90%) input at 100%. 100dB min. (500V AC, 4-way isolation betwee output 1, output 2, and 100MΩ min. (@ 500V input, output 1, output 2 ground. Input / [Output 1/Output Ground]: 2000V AC fo (Cutoff current: 0.5mA Power / Ground: 2000V minute (Cutoff current: Output 1 / Output 2: 50 minute (Cutoff current: Tested as per ANSI/IEF	tput span is $(with 25^{\circ}C\pm5^{\circ}C)$ . (with a step) (x, 50/60Hz) (x,
Output Spec. Ex. 1: For It of Output Spec. Ex. 2: F 4 PERFORMANC Accuracy Rating Temperature Effect Response Time CMRR Isolation Insulation Resistance Dielectric Strength Surge Withstand Capability	or 4 to 20mA output, the of 5mA and the bias +25%. or 4 to 8V output, the out V and the bias +100%. <b>E</b> Better than $\pm 0.2\%$ of sp input of 1 to 100%, at 2 Better than $\pm 0.2\%$ of sp change in ambient. 85ms max. (0 to 90%) input at 100%. 100dB min. (500V AC, 4-way isolation betwee output 1, output 2, and 100MΩ min. (@ 500V input, output 1, output 2 ground. Input / [Output 1/Output Ground]: 2000V AC fo (Cutoff current: 0.5mA Power / Ground: 2000V minute (Cutoff current: Output 1 / Output 2: 50 minute (Cutoff current: Tested as per ANSI/IEF C37.90.1-1989.	tput span is $(with 25^{\circ}C\pm5^{\circ}C)$ . (with a step) (x) = (x) + (
Output Spec. Ex. 1: For It of Output Spec. Ex. 2: F 4 <b>PERFORMANC</b> Accuracy Rating Temperature Effect Response Time CMRR Isolation Insulation Resistance Dielectric Strength Surge Withstand Capability Operating	pr 4 to 20mA output, the of 5mA and the bias +25%. or 4 to 8V output, the out V and the bias +100%. <b>E</b> Better than $\pm 0.2\%$ of sp input of 1 to 100%, at 2 Better than $\pm 0.2\%$ of sp change in ambient. 85ms max. (0 to 90%) input at 100%. 100dB min. (500V AC, 4-way isolation betwee output 1, output 2, and 100MΩ min. (@ 500V input, output 1, output 2 ground. Input / [Output 1/Output Ground]: 2000V AC fo (Cutoff current: 0.5mA Power / Ground: 2000V minute (Cutoff current: Output 1 / Output 2: 50 minute (Cutoff current: Tested as per ANSI/IEF C37.90.1-1989. Ambient temperature: -	tput span is $approxembol{constraint}$ appro

Installation Wall/D	IN rail mounting
	In ran mounting
Wiring M3.5 s	crew terminal connection
(with a	power terminal block cover
& drop	o-proof screws)
Screwing Torque 0.8 to	1.0 [Nm] * Recommended
External W29 ×	H86 × D125 mm
Dimensions (includ	ling the mounting screw and
socket	,
Weight Main u	init: 120g max.
Socket	: 80g max.
MATERIAL	
Housing ABS re	esin (UL 94V-0)
Terminal Block PBT re	esin (UL 94V-0)
Terminal Block PC res	in (UL 94V-2)
Cover	
DIN Rail Stopper PP resi	n (UL 94HB)
Screw Terminal Nickel	-plated steel
Contacts Material Brass v and Finish	with 0.2µm gold plating
Printed Circuit Glass f	fabric epoxy resin
	UL 94V-0)

### TERMINAL ASSIGNMENTS



(1)	P (+) POWER
2	
Ŧ	GND
4	+ OUTPUT 1
5	- OUTPUT 1
6	N.C.
	+ OUTPUT 2
8	- OUTPUT 2
9	+ INPUT
10	– INPUT
(1)	COM

-10 to 60°C

Storage Temperature

# **BLOCK DIAGRAM**

