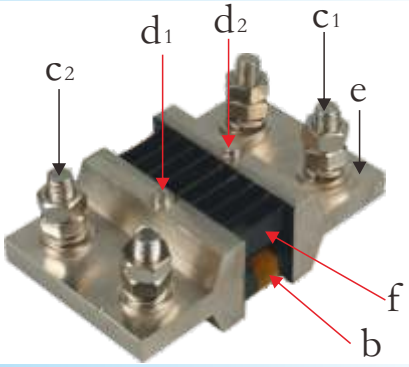
FL 10A~20000A Shunts

A range of direct current shunts which provides an accurate millivolt signal, exactly proportional to the system current. they can be used to drive ammeter indicators, overload protection and control devices, these shunts enable the measurement of DC. current in ranges from 10A to 15000A with various output options available.

Construction



b	Precision manganin
c1、c2	Input terminal
d1、d2	Output terminal
e	Copper base
f	Insulating coating

Features

Ⅰ High reliability,Accuracy of 0.5%

Ⅱ High over loading ability

Ⅲ Extremely low inductance

Performance

Test Items	Test Methods(JIS C 5201-1)
Accuracy class	0.5
Ambient temperature& Relative humidity	-40~+60℃ Relative Humidity≤95%(at35℃)
Overload	Rating current120%,2h
Voltage outputs	50mv ,60mv ,75mv ,100mv , 150mv products are available
Surface temperature rise	Not beyond 80℃ lower than 50A, not exceed 120℃ if higher than 50A.
Temperature coefficient	±20x10^{-6}℃ PPM/℃

Applications

Ⅰ Used for extending the current range of measure

Ⅱ Current balance or sampling for testing

Ⅲ Automation control to limit the current

Reference Standards

JIS C 5201-1

Ordering Information

Example:

FL	100A	50mV	D	C	B
(1)	(2)	(3)	(4)	(5)	(6)
Series Name	Rated Current	Rated Drop	Resistance Tolerance	T.C.R	Packing

(1)Type: FL

(2)Rated Current: 10=10A,50=50A,100=100A,1000=1000A,…

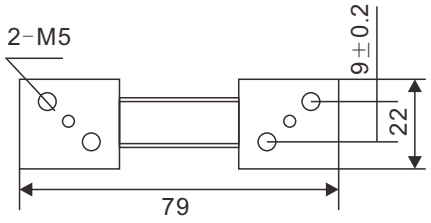
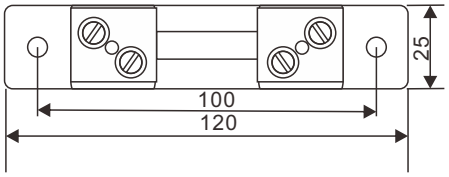
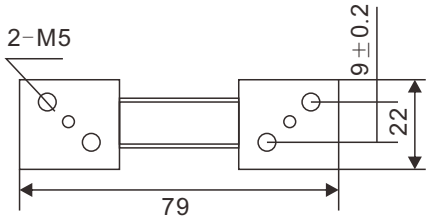
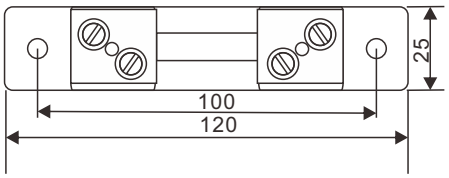
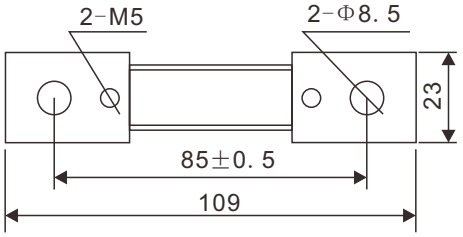
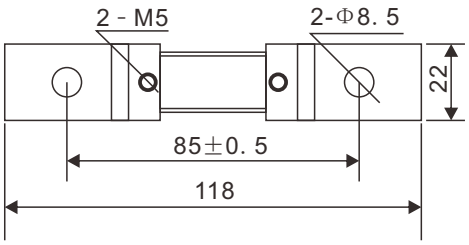
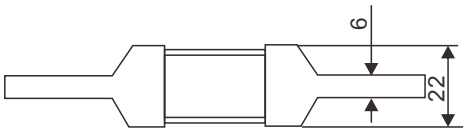
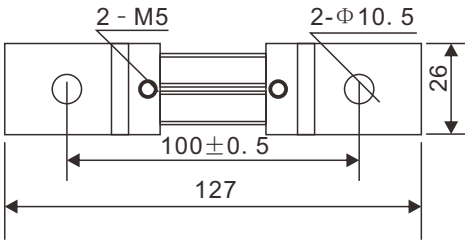
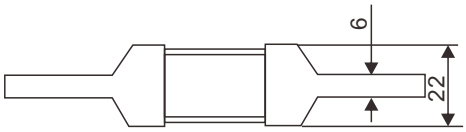
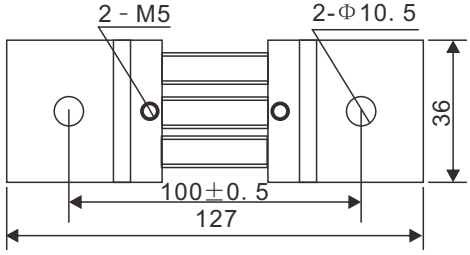
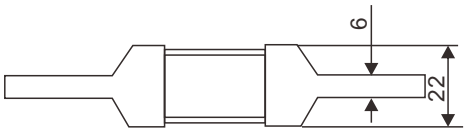
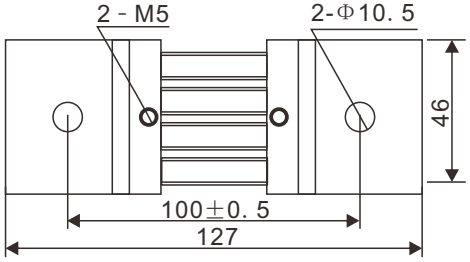
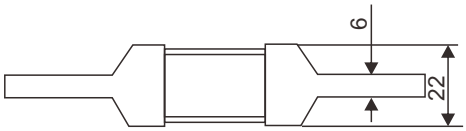
(3)Rated Drop: 50=50mV,60=60mV,70=70mV,100=100mV,150=150mV

(4)Resistance Tolerance: D=±0.5%

(5)T.C.R:C4=±20PPM

(6)Packing:B=bulk standard

Dimensions

 10A-20A		
 30A-50A		
 75A-100A		
 150A-250A		
 300A		
 400A		
 500A		

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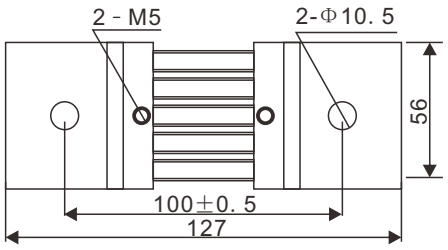

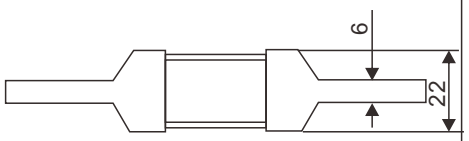

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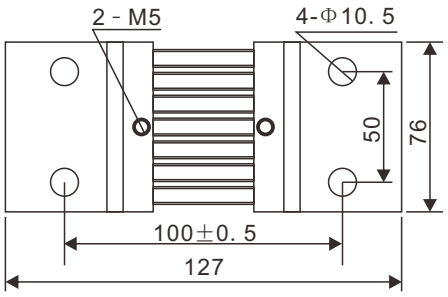

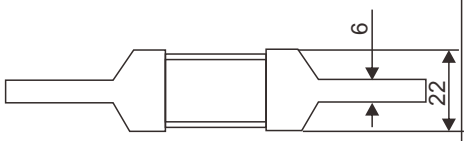

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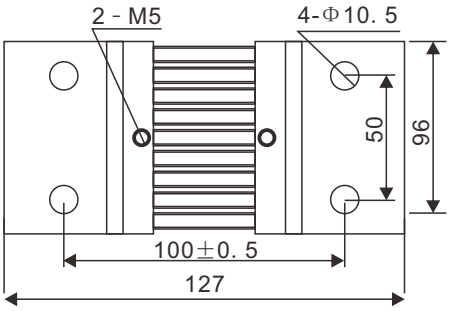

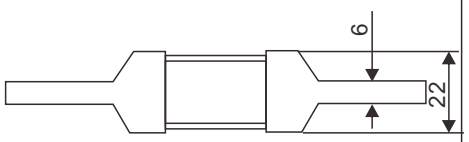

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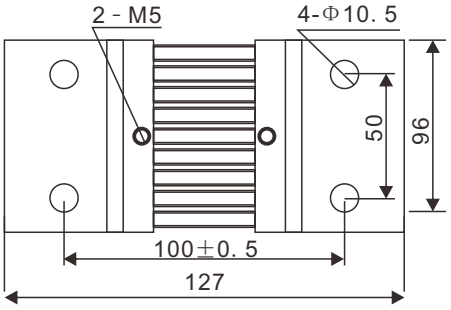

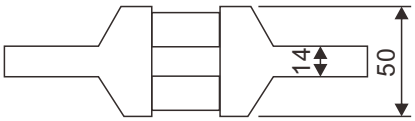

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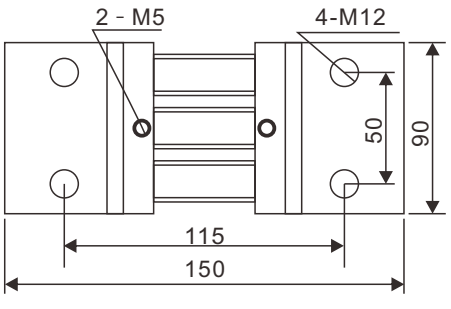

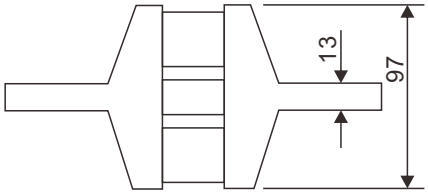

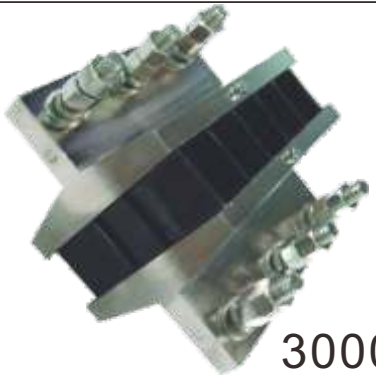

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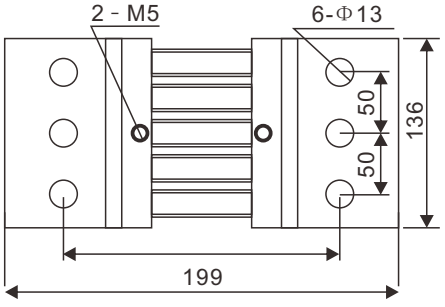

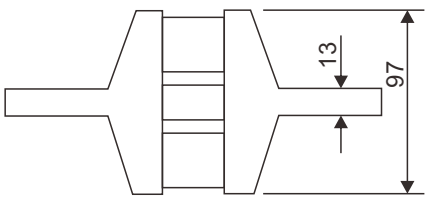

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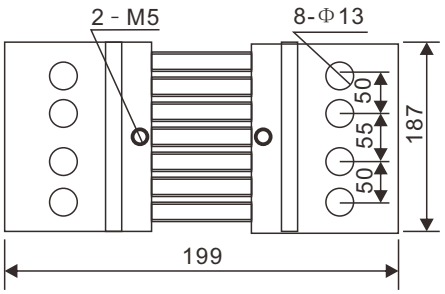

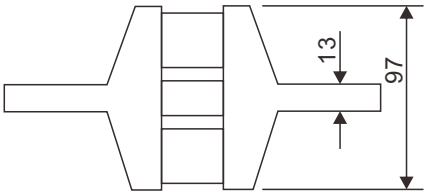

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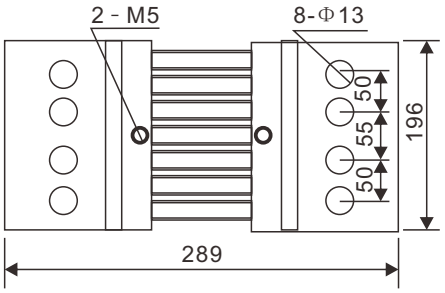

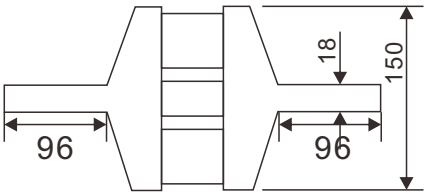

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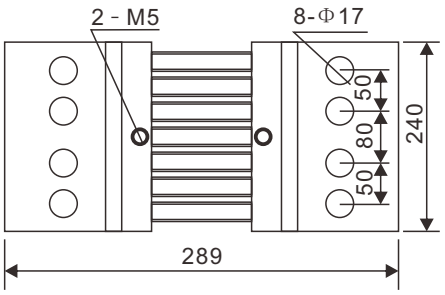

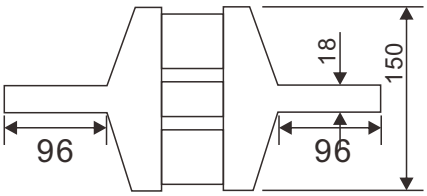

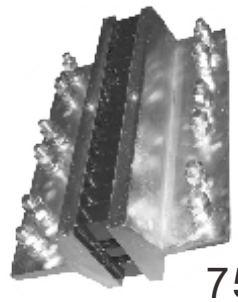

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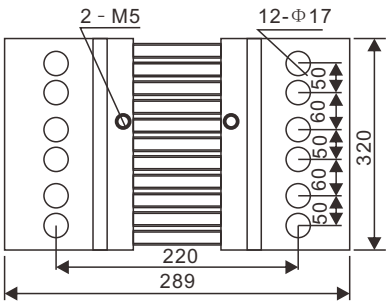

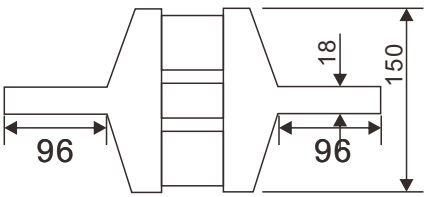

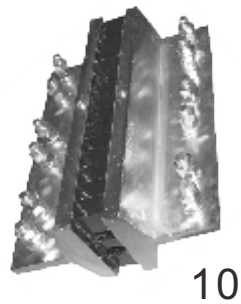

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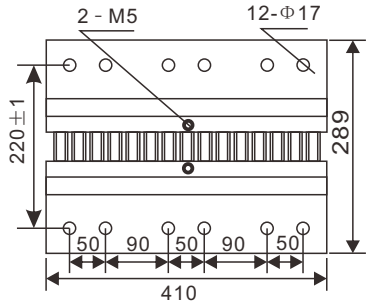

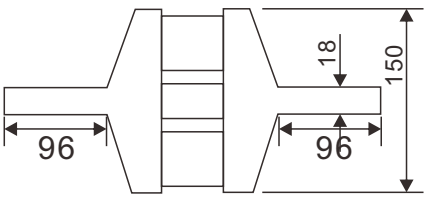

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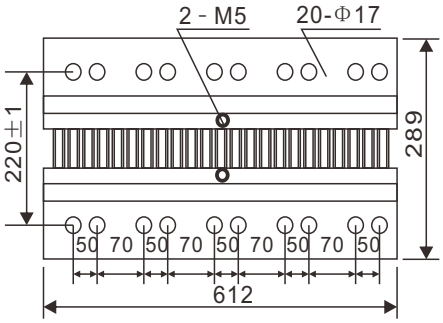

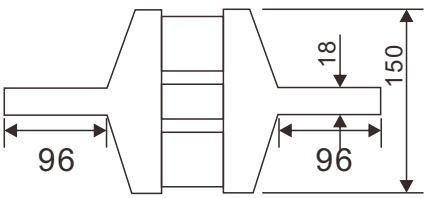

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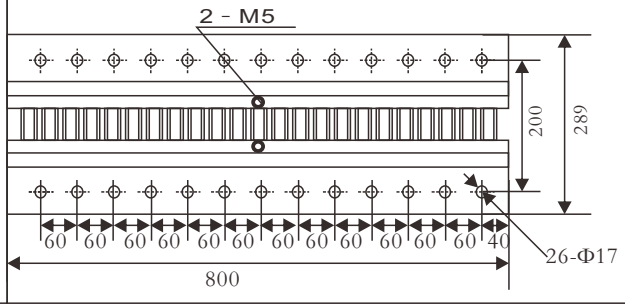
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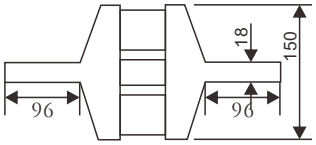
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