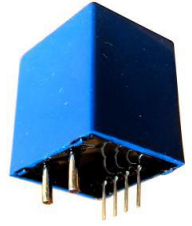


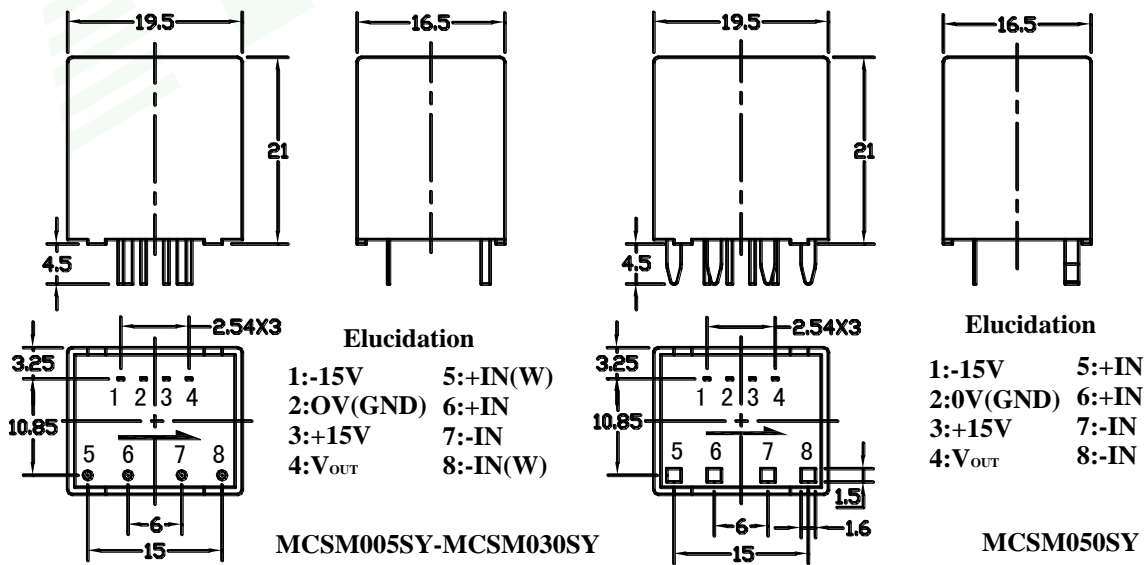
# MCSM050SY Hall-effect Current Sensor Series

Closed loop current sensor based on the principle of Hall-effect. It can be used for measuring AC,DC,pulsed and mixed current.



Electrical characteristics									
Type	MCSM005 SY	MCSM010 SY	MCSM015 SY	MCSM020 SY	MCSM025 SY	MCSM030 SY	MCSM050 SY		
I <sub>PN</sub>	Primary nominal input current								
I <sub>P</sub>	Measuring range of primary current								
	Dimension of input terminal								
K <sub>N</sub>	Conversion ratio								
R <sub>IM</sub>	Internal measuring resistance								
V <sub>OUT</sub>	Secondary nominal output voltage								
V <sub>C</sub>	Supply voltage								
I <sub>C</sub>	Current consumption								
V <sub>D</sub>	Insulation voltage								
ε <sub>L</sub>	Linearity								
V <sub>O</sub>	Offset voltage								
V <sub>OT</sub>	Thermal drift of V <sub>O</sub>								
T <sub>R</sub>	Response time								
f	Frequency bandwidth(-3dB)								
T <sub>A</sub>	Ambient operating temperature								
T <sub>S</sub>	Ambient storage temperature								
	Standard								

## Dimensions of drawing (mm)



## Remarks

- Incorrect connection may lead to the damage of the sensor.
- V<sub>OUT</sub> is positive when the I<sub>P</sub> flows in the direction of the arrow.