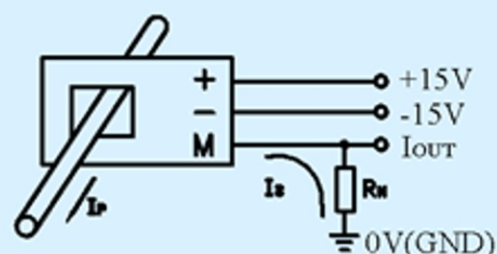
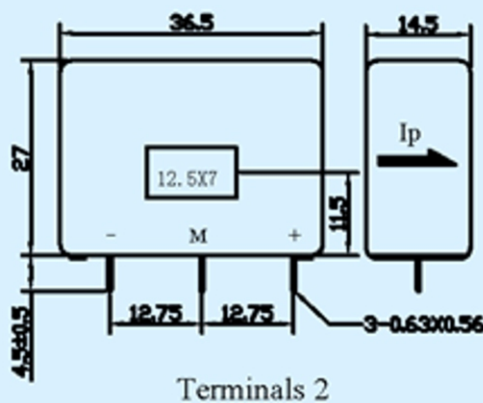
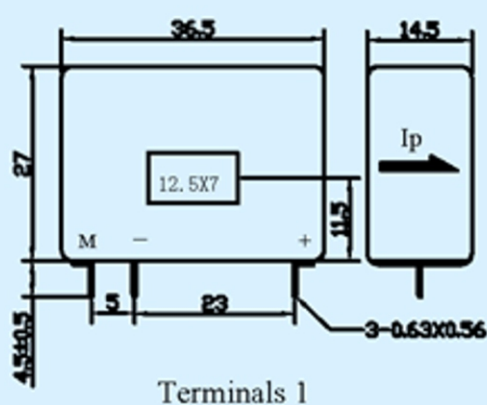


## Electrical characteristics

Type	CSM050LA	CSM100LA		
$I_{PN}$	Primary nominal input current	50	100	A
$I_P$	Measuring range of primary current	0~±75	0~±150	A
$I_{SN}$	Secondary nominal output current	50	50	mA
$K_N$	Conversion ratio	1:1000	1:2000	
$R_M$	Measuring resistance ( $V_C=±15V$ )	$I_P=±50A$ : 50-160	$I_P=±100A$ : 0-110	$Ω$
	( $V_C=±15V$ )	$I_P=±75A$ : 50-90	$I_P=±150A$ : 0-33	$Ω$
$V_C$	Supply voltage	±12~±15(±5%)		V
$I_C$	Current consumption	$V_C=±15V$	10+ $I_S$	mA
$V_D$	Insulation voltage	AC/50Hz/1min	2.5	kV
$\epsilon_L$	Linearity		<0.2	%FS
X	Accuracy	$T_A=25^{\circ}C$ $V_C=±15V$	<±0.7	%
$I_O$	Zero offset current	$T_A=25^{\circ}C$	<±0.2	mA
$I_{OM}$	Residual current	$I_P \rightarrow 0$	<±0.15	mA
$I_{OT}$	Thermal drift of $I_O$	$I_P=0$ $T_A=-25\sim+85^{\circ}C$	<±0.5	mA
$T_R$	Response time		<1	$\mu s$
f	Frequency bandwidth(-1dB)		DC~100	kHz
$T_A$	Ambient operating temperature		-25~+85	$^{\circ}C$
$T_S$	Ambient storage temperature		-40~+100	$^{\circ}C$
$R_S$	Secondary coil resistance( $T_A=25^{\circ}C$ )	34	112	$Ω$
	Standard	Q/3201CHGL02-2007		

## Dimensions of drawing (mm)

## Connection



## Remarks

- Incorrect connection may lead to the damage of the sensor.  $I_{SN}$  is positive when the  $I_P$  flows in the direction of the arrow.
- Dynamic performance ( $di/dt$  and response time) are best with a primary bar in the center of the through-hole.