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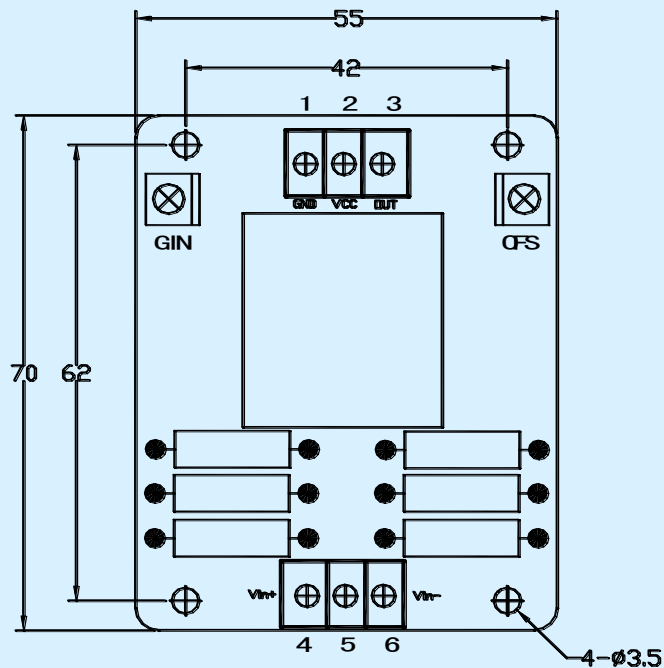
A-VSM800DAT Hall-effect Voltage Transducer



Closed loop voltage Transducer based on the principle of Hall-effect. It can be used for measuring alternating voltage.

Electrical characteristics							
Type	A-VSM100DAT	A-VSM240DAT	A-VSM380DAT	A-VSM500DAT	A-VSM800DAT		
V_{PN}	Primary nominal input voltage	100 (AC)	240 (AC)	380 (AC)	500 (AC)	800 (AC)	V(rms)
V_P	Measuring range of primary voltage	$I_{PN} \times 150\%$					V(rms)
I_{OUT}	Secondary Analogue output current	4-20(DC)					mA
V_C	Supply voltage	24($\pm 5\%$)					V
R_L	Load resistance	54-580					Ω
ε_L	Linearity	< 0.5					%FS
X	Accuracy	$T_A=25^\circ\text{C}$ $< \pm 0.8$					%
V_D	Insulation voltage	AC/50Hz/1min 3					kV
I_0	Zero offset current	$T_A=25^\circ\text{C}$ 4 ± 0.10					mA
I_{OT}	Thermal drift of I_0	$I_P=0$ $T_A= -25\sim+85^\circ\text{C}$ $< \pm 0.005$					mA/ $^\circ\text{C}$
T_R	Response time	Response time@90% of V_{PN} < 20					ms
f	Frequency bandwidth	20-400					Hz
T_A	Ambient operating temperature	$-25\sim+85$					$^\circ\text{C}$
T_S	Ambient storage temperature	$-40\sim+100$					$^\circ\text{C}$
	Standard	Q/320115QHKJ01-2010					

Dimensions of drawing (mm)



Elucidation: 1:GND 2:+24V 3:I_{OUT} 4:V_{IN} 5:NC 6:V_{IN} OFS:Zero adjustment GIN:Gain adjustment

Remarks

Incorrect connection may lead to the damage of the Transducer.