



Maximum wire size: 1.0 mm² (AWG 16)

Stripping length: 10 mm

Note: Only one VW3A3203 can be installed for one drive

PIN SIGNAL FUNCTION			ELECTRIC CHARACTERISTICS
1	SHLD	Shield connection AI4	<p>Software-configurable Voltage, current, PT100,PT1000, KTY84, PTC measurement:</p> <p>Voltage differential input circuit:</p> <ul style="list-style-type: none"> • Range: -10Vdc...+10Vdc • Impedance: 20kΩ • Resolution: 11bit + sign bit • Accuracy: ± 0.6% for a temperature variation of 60°C • Linearity: ± 0.15% of maximum value <p>Current measurement:</p> <ul style="list-style-type: none"> • Range: X-Y mA by programming X and Y from 0 to 20 mA • Impedance: 250 Ω • Resolution: 10bit • Accuracy: ± 0.6% for a temperature variation of 60°C • Linearity: ± 0.15% of maximum value • Sampling period: 1ms <p>PTx measurement: Type of PTx and mode selected via parameter PT100, PT1000, PTC, KTY84</p> <p>• PT100:</p> <ul style="list-style-type: none"> - 1 or 3 thermal sensors mounted in series (configurable by software) - Thermal sensor current: 7,5 mA maximum - Range: -20...200°C Warning level set by THxA, fault level THxF - Accuracy: +3°C final for a temperature variation of 60°C <p>• PT1000, KTY84:</p> <ul style="list-style-type: none"> - 1 or 3 thermal sensors mounted in series (configurable by software) - Thermal sensor current: 1mA maximum - Range: -20...200°C Warning level set by THxA, fault level THxF - Accuracy: +3°C final for a temperature variation of 60°C <p>• PTC:</p> <ul style="list-style-type: none"> - 3 or 6 thermal sensors mounted in series (configurable by software) - Thermal sensor current: 1mA maximum - Nominal value: <1.5 kΩ - Overheat trigger threshold: 3 kΩ high temperature tPxA, thxF - Overheat reset threshold: 1.8 kΩ - protected for low impedance: <50 Ω Short circuit txCE - detection of high impedance: >100kΩ Open circuit tsxA, txCE
2	AI4+	Differential Analog Input 4 Depending on SW configuration Differential Voltage measurement PTx measurement 0...20mA measurement	
3	AI4-	AI4- reference potential for AI4+	
4	AI4+L	3 wire PTx compensation connection	
5	SHLD	Shield connection AI5	
6	AI5+	Differential Analog Input 5 Depending on SW configuration Differential Voltage measurement PTx measurement 0...20mA measurement	
7	AI5-	AI5- reference potential for AI5+	
8	AI5+L	3 wire PTx compensation connection	