

# Template:FM36M1 Electrical characteristics

## Electrical characteristics

Characteristic description	Value			
	Min.	Typ.	Max.	Unit
<b>Supply Voltage:</b>				
<b>Supply Voltage (Recommended Operating Conditions)</b>	10		30	V
<b>Drain current (Digital Output1 OFF)</b>		241.69		μA
<b>Drain current (Digital Output1 ON)</b>	0.1		0.5	A
<b>Drain current (Digital Output2 OFF)</b>		240.26		μA
<b>Drain current (Digital Output2 ON)</b>	0.1		0.5	A
<b>Static Drain-Source resistance (Digital Output ON)</b>			300	mΩ
<b>Digital Input:</b>				
<b>Input resistance (DIN1)</b>	15			kΩ
<b>Input resistance (DIN2, AIN2)</b>	20			kΩ
<b>Input resistance (AIN1)</b>	120			kΩ
<b>Input voltage (Recommended Operating Conditions)</b>	0		Supply voltage	V
<b>Input Voltage threshold (DIN1)</b>		7.5		V
<b>Input Voltage threshold (DIN2)</b>		2.5		V
<b>Input Voltage threshold (AIN1, AIN2)</b>		3.5		V
<b>Analog Input:</b>				
<b>Input voltage (Recommended Operating Conditions), Range 1</b>	0		10	V
<b>Input resistance, Range 1</b>		120		kΩ
<b>Measurement error</b>		0.47		%
<b>Additional error</b>		±17.3		mV
<b>Input Voltage (Recommended Operating Conditions), Range 2</b>	0		30	V
<b>Input resistance, Range 2</b>		150		kΩ
<b>Measurement error</b>		1.01		%
<b>Additional error</b>		±139	0	mV

× Analog Input error margin can increase if temperature varies.