

QT-SICA – ANALOG SIGNAL ISOLATOR



- » Slim Design
- » Analog Converter
- » Highly Reliable Performance
- » Easy for Installation
- » DIN Rail Mount



Years Warranty



Industrial Grade DIN Rail Mount

QT-SICA series Current/Voltage input distribution isolator, DC24V or AC220V power supply, provide isolated distribution power supply for on-site transmitter, and realize the conversion of voltage, current, mV and other signals.

Input interface current source, two-wire system and three-wire system transmitter are universal, and efficient magneto-electric isolation technology is adopted internally. Input, output and power supply are isolated from each other, with high accuracy, high linearity, low temperature drift and other characteristics.

TECHNICAL PARAMETER

INPUT

Input Signal	4~20 mA, 0~20 mA, 0~75 mV, 0~5 V, 0~10 V
Power Distribution	Open-circuit voltage $\leq$ 25VDC; (20mA) Voltage: $\geq$ 15V
Normal Working Current	$\leq$ 25mA
Input Impedance	Current input $\leq$ 50 Ω ; Input voltage $\geq$ 300K Ω

OUTPUT

Output signal	4~20 mA, 0~20 mA, 0~5V, 0~10 V
Output load resistance	RL $\leq$ 500 Ω (Output is current signal) RL $\geq$ 10K Ω (Output is voltage signal)
Supply voltage	DC24 V, $\pm$ 10% or AC85~ 265 V
Current Consumption	$\leq$ 50 mA (1 IN/1 OUT, 24 V, Power distribution input, when 20 mA Output) $\leq$ 70 mA (1 IN/2 OUT, 24 V, Power distribution input, when 20 mA Output) $\leq$ 100 mA (2 IN/2 OUT, 24 V, Power distribution input, when 20 mA Output) $\leq$ 120 mA (1 IN/3 OUT, 24 V, Power distribution input, when 20 mA Output) $\leq$ 140 mA (1 IN/4 OUT, 24 V, Power distribution input, when 20 mA Output) $\leq$ 160 mA (2 IN/4 OUT, 24 V, Power distribution input, when 20 mA Output)
Basic Accuracy	$\pm$ 0.1% F.S



TECHNICAL PARAMETER

OUTPUT

Temperature Drift	0.005% F.S/°C (-20°C~+55°C) Response Time : ≤ 10 ms (0-90%) (TYP)
Dielectric Strength	1500 V AC/1 min (among input / output / power supply)
Insulation Resistance	≥ 100MΩ (among input / output / power supply)
Electromagnetic	In accord with GB / T18268 (IEC61326 - 1)
Compatibility	
Suit for Field Equipment	Two wire, three wire transmitter, voltage source, current source signal

POWER

Power Input	24V DC
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RELIABILITY PARAMETERS

Working temperature	-20 °C ~55°C
Storage temperature	-30 °C ~70 °C
Operating humidity	10%~90% @30°C, no condensation

MECHANICAL

Overall size	115 x 100 x 22.5mm mm
Operating Weight	Net : 80 gm Gross : 100 gm
Product certification	CE / RoHS

SELECTION TABLE

QT-SICA	X	X	X	
Channel	1			1 IN / 1 OUT
	2			1 IN / 2 OUT
	3			1 IN / 3 OUT
	4			1 IN / 4 OUT
	5			2 IN / 2 OUT
	6			2 IN / 4 OUT
INPUT		1		4~20 Ma
		2		0~20 mA
		3		0~5 V
		4		0~10 V
OUTPUT			1	4~20 Ma
			2	0~20 mA
			3	0~5 V
			4	0~10 V

DIMENSIONS

