

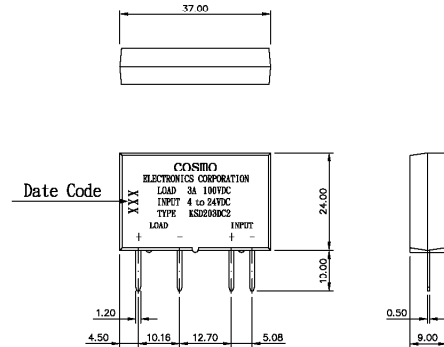
Features

1. Molded epoxy body.
2. High input/output insulation.
3. Small size and light weight.
4. Can be installed directly on the P.C. board.
5. Fast reactive speed.
6. Normally open.

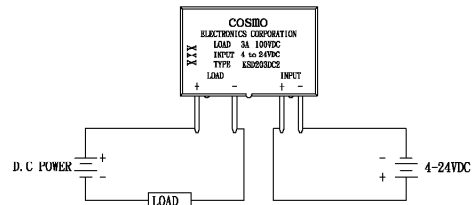
Applications

1. Household Appliances.
2. Temperature Control System.
3. Industrial Automatic Control.
4. Lighting System.
5. Office Appliances.
6. Factory Appliances.

Outside Dimension : Unit (mm)



Schematic : Top View



Absolute Maximum Ratings

(Ta=25°C)

Parameter	Symbol	Rating	Unit	
Input	Input Signal Voltage	V _{IN}	4-24	VDC
	Drop-out Voltage	V _{do}	1	VDC
Output	Output Power Dissipation	P _c	30	W
	Collector Voltage	V _{CEO}	100	V
	Output Current	I _o	3	A
Peak Surge Current 50 μs	I _{surge}	9	A	
Isolation Voltage	V _{iso}	4000	V _{rms}	
Operating Temperature	T _{opr}	-30~100	°C	
Storage Temperature	T _{stg}	-30~125	°C	
Soldering Temperature 10 Sec	T _{sol}	260	°C	

Electrical Characteristics

(Ta=25°C)

Parameter	Symbol	Conditions	MIN	TYP	MAX	Unit
Input	Pick-up Voltage	V _{pu}			4	VDC
	Input Current	I _{in}	V _{in} =4-24V		25	mA
	Terminal Capacitance	C _T	V=0, f=1KHz		30	pF
Output	Collector-emitter breakdown voltage	BV _{CEO}	I _F =0	100		
	Output Leak Current	I _{leak}	I _F =0, V=100V		1.5	μA
Collector Current	I _c	I _F =1mA, V _{CE} =2V	0.05		3	A
Collector-Emitter Saturation Voltage	V _{CE (sat)}	I _F =20mA, I _c =100mA			1.5	V
Isolation Resistance	R _{iso}	DC500V	10 ¹⁰			Ω
Floating Capacitance	C _r	V=0, f=1MHz			3	pF
Cut-Off Frequency	F _c	V _{CE} =2V, I _c =200mA, R _L =100Ω	2			KHz
Response Time (Rise)	T _r	V _{CE} =2V, I _c =20mA			500	μS
Response Time (Fall)	T _f	R _L =100Ω			200	μS

