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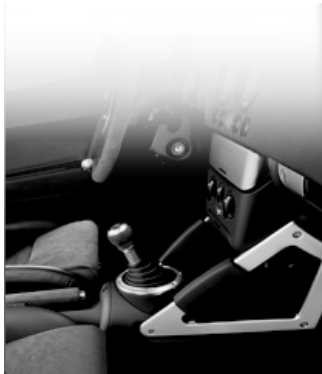
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제품소개 PRODUCTS

▶ PCB RELAY

- JH Series
- TB Series
- TA Series
- TE Series
- TX Series
- PX Series

- ▶ PLUG-IN RELAY
- ▶ MULTI-FUNCTION SWITCH
- ▶ SWITCH
- ▶ UNIT
- ▶ DOOR LATCH
- ▶ PARTS



PCB RELAY

Always lead the way - JEM

▶HOME > 제품소개 > PCB RELAY

- JH Series
- TB Series**
- TA Series
- TE Series
- TX Series
- PX Series

▶ TB Series

FEATURES

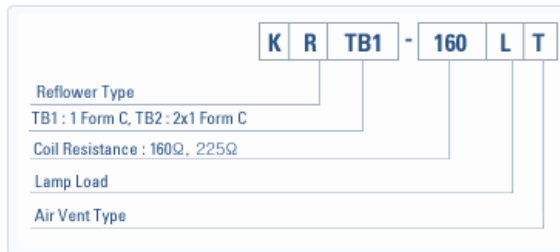
- Small size
* Compared to the conventional type, miniaturized as 50% in volume, 60% in mounting area, 13.5mm in height.
- Two kinds of contact arrangements are provided as 1 Form C and 2 × 1 Form C for controlling the direction of motor rotation.
- High capacity
* Employs highly conductive material, sufficient cross area of conductor and heat radiant design capable of 25A switching current.
- Over current protection
* In case of over current, contacts are designed to open automatically during overload conditions.



APPLICATIONS

- POWER WINDOW, DOOR-LOCK(KEYLESS ENTRY SYSTEM), SEAT CONTROL, SUN ROOF, DOOR MIRROR, FLASHER UNIT

PART NUMBER CODE



COIL RATING

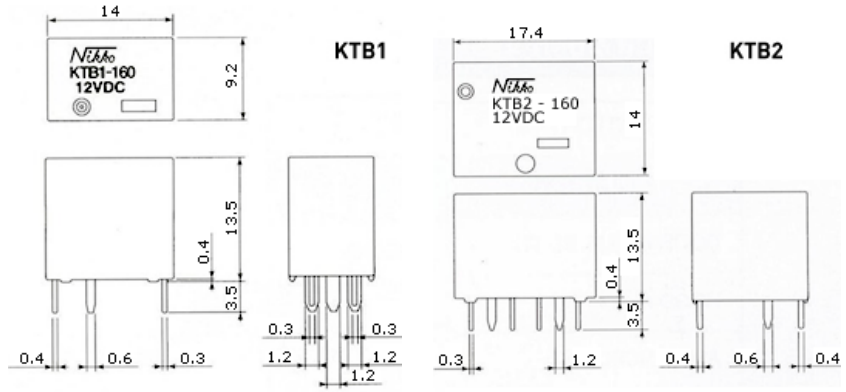
Part No.	Rated Voltage	Coil Resistance(±10%)	Pull-in Voltage	Drop-out Voltage	Rated Power
KTB1-160	12VDC	160Ω	6.5V	0.8V	0.9 W
KTB1-225	12VDC	225Ω	7.7V	0.8V	0.64W
KTB2-160	12VDC	160Ω	6.5V	0.8V	0.9 W
KTB2-225	12VDC	225Ω	7.7V	0.8V	0.64W

Rated at 20°C ambient temperature

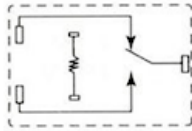
DIMENSIONS (unit : mm)

- External Dimensions

- External Dimensions

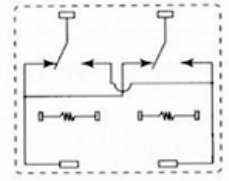


● Wiring Diagram

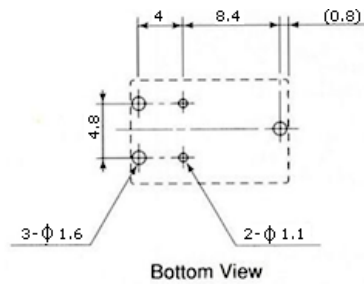


Note : TB1-100MF has no break terminal.

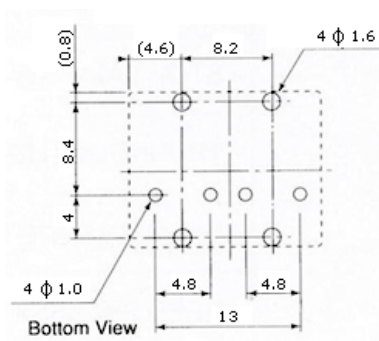
● Wiring Diagram



● PC Board Pin Layout



● PC Board Pin Layout



SPECIFICATIONS

ITEM	SPECIFICATION
Contact Arrangement	KTB1 : 1 Form C KTB2 : 2 × 1 Form C
Contact Material	AgSnO ₂
Rated Load	25A at 14VDC Motor Load / Locked Rotor
Contact Resistance	Max. 50MΩ (at 6VDC 1A voltage drop method)
Max. Switching Current	30A
Max. Carrying Current	20A for 10minutes at 20°C
Dielectric Strength	500VAC for 1minute (between coil and contact) 500VAC for 1minute (between open contacts)
Insulation Resistance	Min. 100MΩ (at 500VDC)
Operate Time	Max. 10ms (at rated voltage)
Release Time	Max. 10ms (at rated voltage)
Shock	False Operation Min. 10G (shock wave 11ms)
	Endurance Min. 100G (shock wave 11ms)
Vibration	False Operation 10 to 500Hz 4.4G
	Endurance 10 to 500Hz 4.4G
Mechanical Life	10×10 ⁶ Operations (switching frequency 300 cycles/minute)
Electrical Life	0.1×10 ⁶ Operations at rated load (on:1sec/off:9sec)
Ambient Temperature	-40°C to +85°C

Weight

KTB1 : Approx. 5g

KTB2 : Approx. 9.5g



CONTACT US | SITEMAP

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