



因联结而喜悦!!

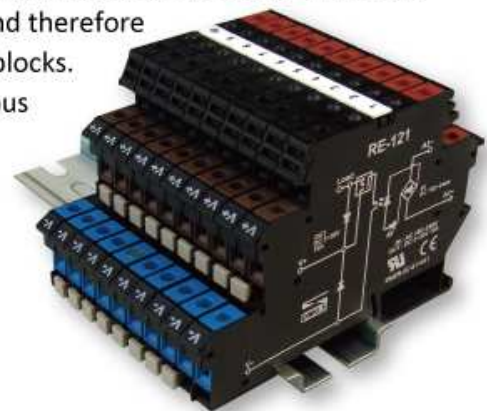
Delight Through Connections 心を繋ぐ喜び!!

www.dinkle.com

2012 DINKLE evolution product RE series Opto Relay

Evolutional · Efficient · Safe · Slim

The new RE series Opto Relay module from DINKLE is a newly evolved product deriving from optical isolator, solid state relay and rail mount terminal blocks. DINKLE ingeniously utilizes state-of-the-art technique and innovation to integrate all these functionalities, and therefore generates this sophisticated combination of relays and terminal blocks. With features mentioned below, it is perfectly applicable to various control machines, factory/process automation, communication equipments and building industry.



slim design

Opto Relay

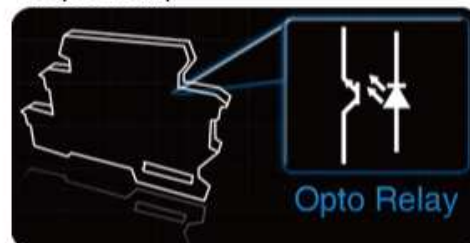
DINKLE Opto Relay module is to take the best use of optical coupling isolation to prevent PLC and embedded applications from electrical interference, and generates noise free operation. Additional advantages of applying optical coupling are to avoid contact spark, error signal by bouncing, and arcing damage. All these features bring better functioning and reliability while operating in various industrial applications.

☆ Traditional Relay



• Spark · Bouncing · Arching

☆ Opto Relay

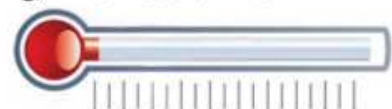


• Optical Coupling isolation · Safety · Accurate

◆ Spark & arcing free, superior Isolation & safety to traditional relays

The selected premium transistor is well designed in relatively larger housing, which results in low temperature rising, and therefore operational safety is upgraded.

◆ Low temperature rising to ensure safety of the products.



DINKLE Opto Relay module is featuring by high frequency of switching, 10 times faster (100 Hertz) than traditional relays. Having said that, no any negative effect such as bouncing and ineffectual contact is caused, and therefore it is more reliable and suitable for the system which high precision and accuracy are required.

- ◆ 10 times faster (100 Hertz) switching frequency for highly precise requirement

DINKLE Opto Relay module is equipped with semiconducting components instead of electro-mechanical spring and coil. This specialty makes the product dust and humidity resistant for field operation.



- ◆ Dust and humidity resistant

Mean Time Between Failure of DINKLE Opto Relay module reaches longer than 250 years due to the features of low temperature rising and fine resistance against adverse environment. This also benefits cost saving in maintenance and replacement.



MTBF > 250 year

- ◆ Longevity and low defect rate

DINKLE Opto Relay modules are marked by different colors for better identification of contact points. Special made labels of numbering also enhance correct positioning and efficiency while wiring.



- ◆ Color & number coding for wiring identification



LED indicators equipped are to correctly show the status of operation. Users can easily read and be aware of operational status despite dim environment.

- ◆ LED indicator

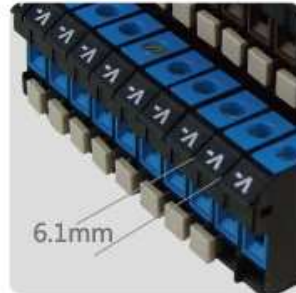


The patented jumper (DS-210) is the handy accessory helpful to easily connect adjacent poles, and facilitates setup of power distributor. It can be easily stored in the slot of terminal blocks, and therefore brings convenience while installing system.

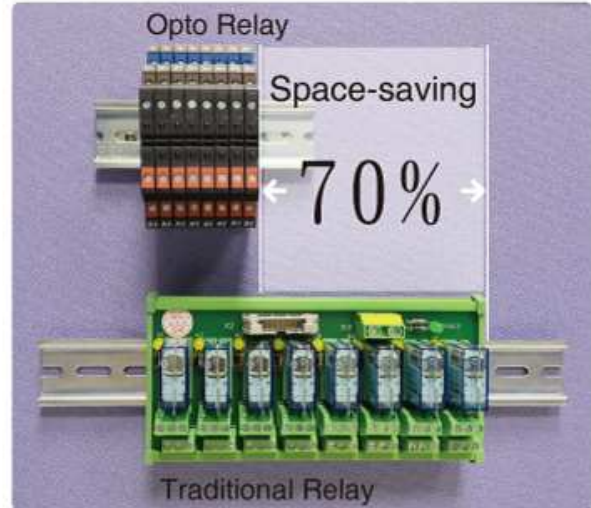


- ◆ Patented cross jumpers equipped

DINKLE Opto Relay modules can be assembled in compact space due to slim design of 6.1 mm thickness. 70% space-saving is highly favorable to the size of application regardless of high-density connection is required.



- ◆ Space saving by 70% off vs. traditional relay modules



DINKLE Opto Relay is UL and CE compliant.

- ◆ UL508 compliant (NMFT- Solid State Controls for Motor Loads)

The features of RE series Opto Relay include:

- ◆ Spark & arcing free, superior Isolation & safety to traditional relays
- ◆ Low temperature rising to ensure safety of the products vs. PH relay modules
- ◆ 10 times faster (100 Hertz) switching frequency for highly precise requirement
- ◆ Dust and humidity resistant
- ◆ Longevity and low defect rate
- ◆ Color & number coding for wiring identification
- ◆ LED indicator
- ◆ Patented cross jumpers equipped
- ◆ Space saving by 70% off vs. traditional relay modules
- ◆ UL508 compliant (NMFT- Solid State Controls for Motor Loads)