

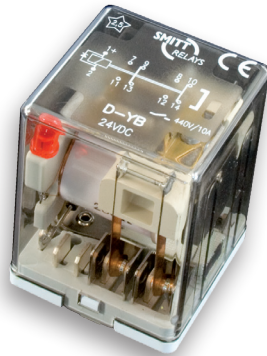
## /// Plug-in industrial relay with 2 C/O contacts

Rugged plug-in relays for extreme reliability, within long endurance applications and harsh environments

### Double make / double break

Option Y for D-relays

Part of D-platform



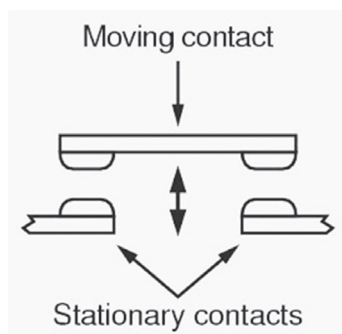
### Features D-Y relay

- 2 double make / double break contacts, 2 C/O contacts
- Lower ambient temperature: -50 °C
- DC and AC coil
- Integrated back EMF suppression diode (DC versions)
- LED indicator
- Contact material Ag (optional Au)
- Coil voltages 6 to 250 VDC, 6-400 VAC
- Maximum continuous current 10 A
- Maximum switching voltage 250 VDC, 440 VAC
- Mechanical life 50 million operations (DC versions)
- Transparent cover for easy visual inspection
- Integrated snap-lock, no external retaining clip needed
- Wide range of sockets for panel, rack or 35 mm rail
- Flexibility with many options
- Optional positive mechanical keying relay to socket

### Description

Double break/double make contacts have two separate contacts which open in the same circuit. Double break contacts dissipate heat faster and provide increased relay contact life.

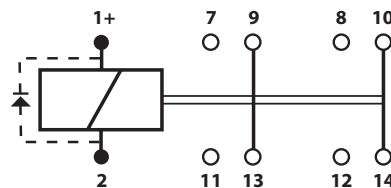
Double make/double break is identical to 2 contacts in series which increases the breaking capacity by 50%.



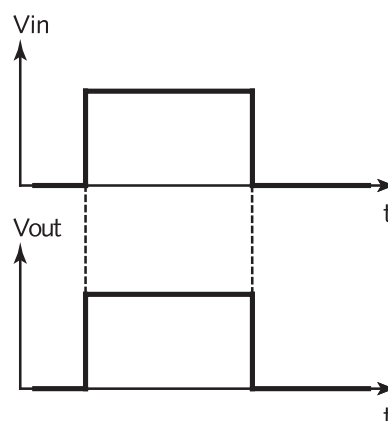
### Application

Designed for applications switching high loads or which require a long contact life.

### Connection diagram



### Timing diagram



### Compliance

IEC 61810  
 IEC 60947  
 IEC 60947-5-1  
 IEC 60255



## D-relay Option Y

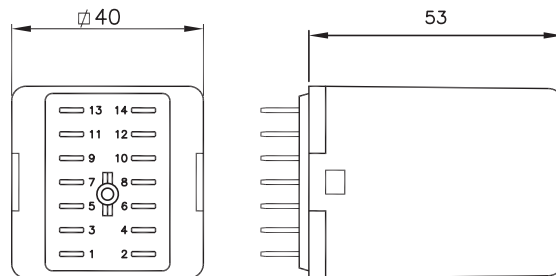
### D-relay options next to Y

- Magnetic arc blow-out
- Gold plated contacts
- Extra dust protection
- Double zener diode
- Weld-no-transfer contacts
- Mechanical trip indicator
- High burden protection
- AgSnO<sub>2</sub> contacts
- Polarizing diode
- Mechanical on/off position indicator
- Push-to-test button
- Bipolar LED
- Rectifier bridge
- Reversed polarity of coil contacts

#### Remark:

In order to increase the breaking capacity and ensure longer contact life we recommend to combine with option B (magnetic arc blow-out).

### D-relay dimensions (mm)



### Solve-All relay application concept

The unique D relay with all its options has been designed in close cooperation with customers from the power utility industry.

The Solve-All relay application concept offers ultimate flexibility to design and supply tailor made D-relays.

### Sockets

|                     |                        | Mounting       |            |               |     |
|---------------------|------------------------|----------------|------------|---------------|-----|
|                     |                        | Surface / Wall | 35 mm rail | Panel / Flush | PCB |
| Terminal connection | Screw                  | V23            | V23        | -             | -   |
|                     | Screw - wide terminals | V22BR          | V23BR      | -             | -   |
|                     | Spring clamp           | V29            | V29        | V33           | -   |
|                     | Faston                 | -              | -          | V31           | -   |
|                     | Crimp                  | -              | -          | V26           | -   |
|                     | Solder tag             | -              | -          | V3            | -   |
|                     | PCB                    | -              | -          | -             | V32 |

For more information see the respective datasheets

For more detailed technical specifications, drawings and ordering information, go to the product page on [www.morssmitt.com](http://www.morssmitt.com)

 Over 10 million Mors Smitt relays in use in applications worldwide!

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