

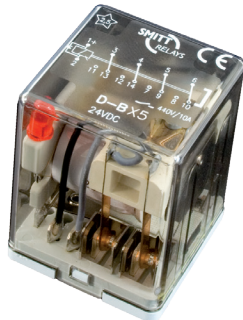
## /// Plug-in industrial relay with 4 contacts

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

### Large contact gap

Option X5 for D-relays

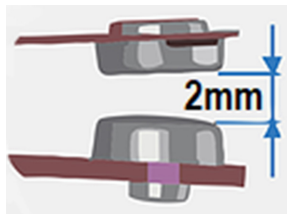
Part of D-platform



#### Description

For high DC loads, a larger contact gap is recommended in extinguishing the arc that occurs when switching this type of load.

A larger contact gap provides also protection against short-circuit conditions (higher surge voltage) from the load circuit that could damage the relay.



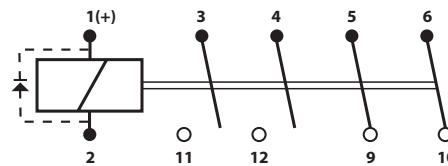
#### Application

Designed for heavy duty applications that require high DC breaking capacity and long contact life.

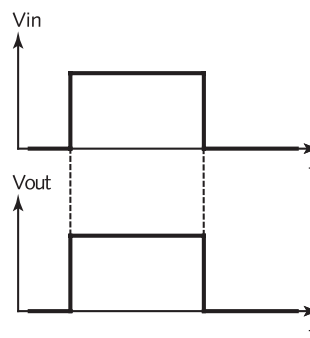
#### Features D-X5 relay

- **Contact gap 2 mm**
- **2 N/O + 2 N/C contacts**
- 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

#### Connection diagram



#### Timing diagram



#### Compliance

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



## Instantaneous relay Option X5 for D-relay

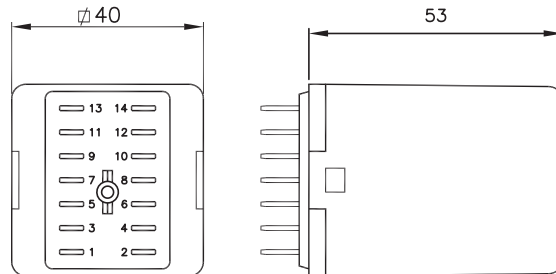
### D-relay options next to X5

- Magnetic arc blow-out
- Gold plated contacts
- Extra dust protection
- Double zener diode
- 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
- Make before break contacts

#### Remark:

To increase the breaking capacity and ensure longer contact life we recommend option B (magnetic arc blow-out) next to option X5.

### 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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