

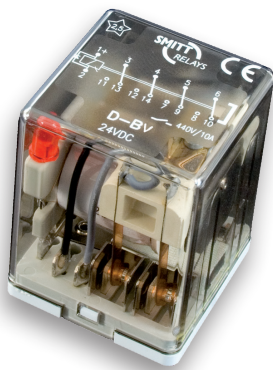
/// Plug-in industrial relay with 4 C/O contacts

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

Wider operating range and operating temperature

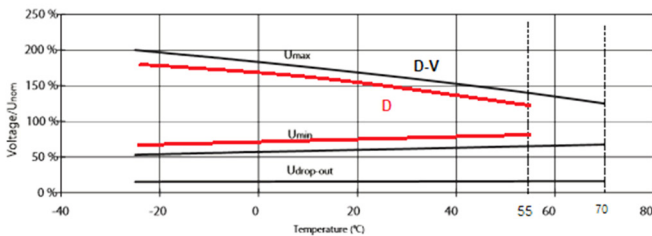
Option V for D-relays

Part of D-platform



Description

Wider DC voltage operating range and wider operating ambient temperature to extend conditions for correct relay functionality.



- Umin is the must-operate voltage at which the relay has picked up in all circumstances (worst-case situation), in practice the relay picks up at a lower voltage
- Udrop-out is the must-release voltage at which the relay has dropped-out in all circumstances (worst-case situation), in practice the relay drops out at a higher voltage
- Always select the nominal voltage as close as possible to the actual voltage in the application

Application

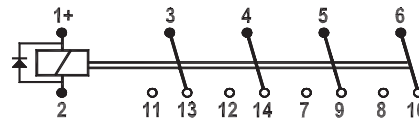
Designed for applications where a wider voltage operating range or higher temperature is necessary.

Features D-V relay

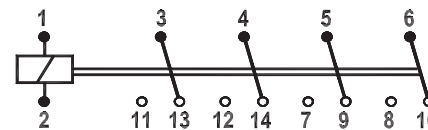
- Wider DC voltage, operating range: 0.7...1.25 U_{nom}
- Wider operating ambient temperature: -25...+70 °C
- Nominal power consumption: 2.2 W @U_{nom}
- Instantaneous compact plug-in relay, 4 C/O contacts
- LED indicator
- Integrated back EMF suppression diode (DC versions)
- Coil voltages 6 to 250 VDC, 6-400 VAC
- Maximum continuous current 10 A
- Maximum switching voltage 250 VDC, 440 VAC
- Minimum switching current 10 mA (optional 1 mA)
- Mechanical life 50 million operations (DC versions)
- Solve-All relay application concept
- 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

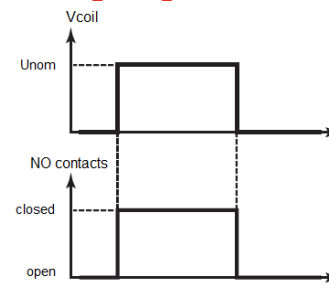
DC-version



AC-version



Timing diagram



Compliance

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

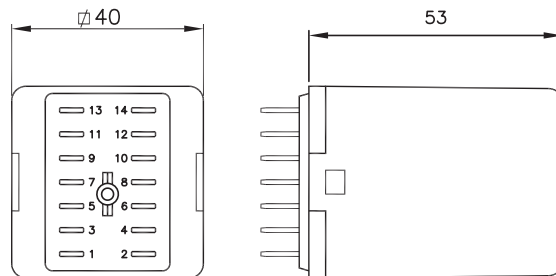


D-relay Option V

D-relay options next to V

- Magnetic arc blow-out
- Low temperature
- Gold plated contacts
- Extra dust protection
- Double zener diode
- Weld-no-transfer contacts
- Double make/double break contacts
- No surge protection diode and no LED
- Mechanical trip indicator
- High burden protection
- AgSnO₂ 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

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

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

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