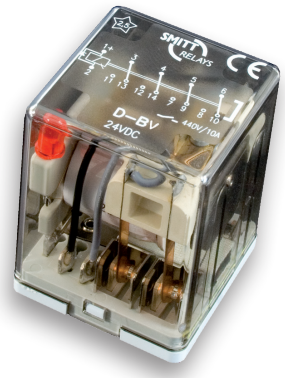
/// Plug-in industrial relay with 4 C/O contacts

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

Wider operating range and operating temperature

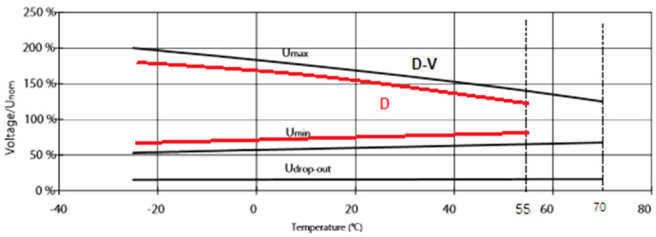
Option V for D-relays

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

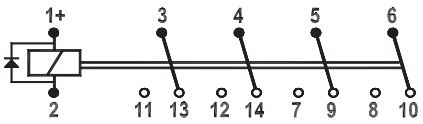
Designed for applications where a wider voltage operating range or higher temperature is necessary.

Features D-V relay

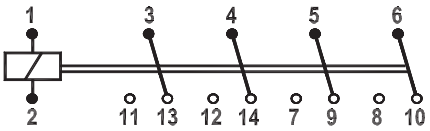
- **Wider DC voltage, operating range: 0.7...1.25 Unom**
- **Wider operating ambient temperature: -25...+70 °C**
- Nominal power consumption: 2.2 W @Unom
- Instantaneous compact plug-in relay, 4 C/O contacts
- LED indicator
- Integrated back EMF suppression diode (DC versions)
- Coil voltages 6 to 250 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

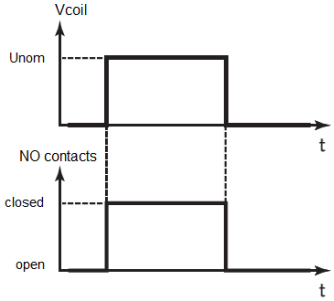
DC-version



AC-version



Timing diagram



Compliancy

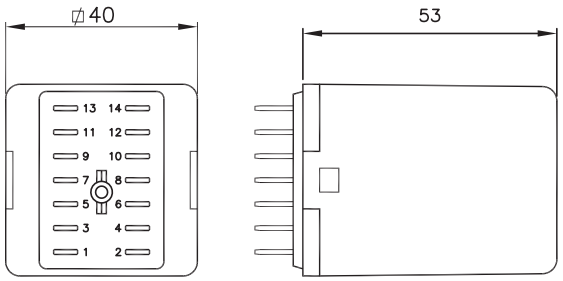
IEC 61810
IEC 60947
IEC 60947-5-1
IEC 60255

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!

Mors Smitt Asia Ltd.
Unit B&C, 25/F., Casey Aberdeen House,
38 Heung Yip Road, Wong Chuk Hang,
Hong Kong
Tel: +852 2343 555
sales.msa@wabtec.com

Mors Smitt France SAS
2 Rue de la Mandinière
72300 Sablé-sur-Sarthe, France
Tel: +33 (0) 243 92 82 00
sales.msf@wabtec.com

Mors Smitt UK Ltd.
Graycar Business Park,
Burton on Trent, DE13 8EN, UK
Tel: +44 (0)1283 722 650
sales.msuk@wabtec.com

Mors Smitt B.V.
Vrieslantlaan 6,
3526 AA, Utrecht, Netherlands
Tel: +31 (0)30 288 1311
sales.msbv@wabtec.com

Mors Smitt Technologies Ltd.
1010 Johnson Drive,
Buffalo Grove, IL 60089-6918, USA
Tel: +1 847 777 6497
salesmst@wabtec.com

RMS Mors Smitt
6 Anzed Court,
Mulgrave, VIC 3170, Australia
Tel: +61 (0)3 8544 1200
sales.rms@wabtec.com