

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

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

Gold plated contacts

Option E for D-relays

Part of D-platform

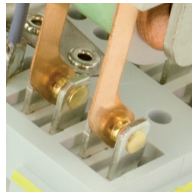


Description

Gold plated contacts for low current switching to ensure long time contact reliability. Low contact resistance and good resistivity against corrosive atmosphere.

Gold plated contacts characteristics:

- Material Ag, 10 µm gold plated
- Minimum switching voltage: 5 V
- Minimum switching current: 1 mA
- Maximum switching voltage: 60 V
Higher voltages may be possible, contact Mors Smitt for more info
- Maximum switching current: 400 mA
At higher rate gold will evaporate, then the standard silver contact rating of minimum 10 mA and 12 V is valid



Relays with gold plated contacts have yellow tape around the relay for identification.

Application

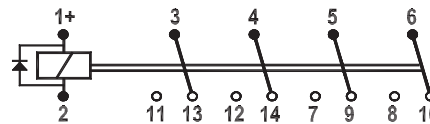
Designed for applications with low level contact load switching. Suitable for use in corrosive environments.

Features D-E relay

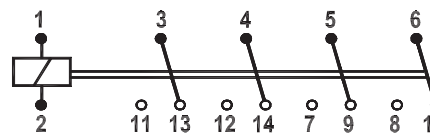
- **Gold plated contacts**
- **Minimum switching load 1 mA, 5 V**
- Maximum switching current 400 mA
- Maximum switching voltage 60 V
- Instantaneous compact plug-in relay, 4 C/O contacts
- LED indicator
- Integrated back EMF suppression diode (DC versions)
- Coil voltages 6 to 250 VDC, 6-400 VAC
- Maximum continuous current 10 A
- 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

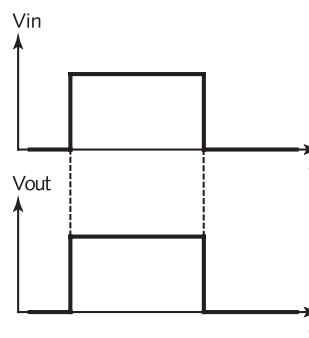
DC-version



AC-version



Timing diagram



Compliance

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

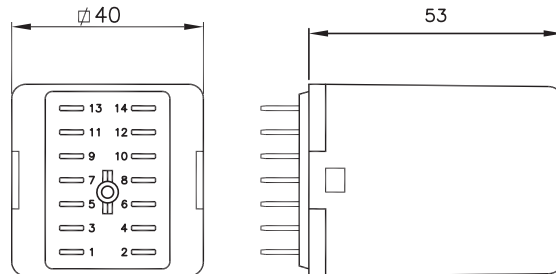


Instantaneous relay Option E for D-relay

D-relay options next to E

- Low temperature
- Extra dust protection
- Double zener diode
- Wider operating range and ambient temperature
- Weld-no-transfer contacts
- Double make/double break contacts
- No surge protection diode and no LED
- Mechanical trip indicator
- High burden protection
- Polarizing diode
- Fast switching contacts, 4 C/O contacts
- Mechanical on/off position indicator
- Push-to-test button
- Bipolar LED
- Rectifier bridge
- Reversed polarity of coil contacts
- Make before break contacts
- Contact gap of 2 mm

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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