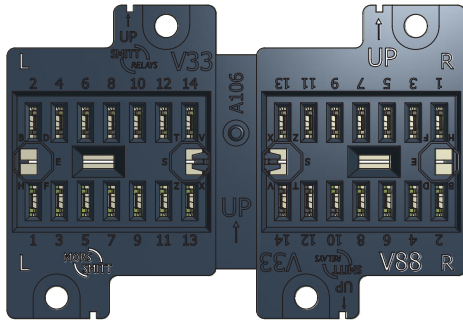


/// Socket, spring clamp terminal, panel mount, 8 pole

Sockets for extreme reliability, within long endurance applications and harsh environments

V88 Socket



Features

- Panel / flush mount
- Sturdy spring clamp terminals
- Twin connection per relay contact
- Suitable for all railway and industry D-platform relays
- Easy & quick installation (up to 75% reduction of wiring time)
- Positive mechanical keying
- Trifurcated female receiver for tight grip relay pin
- Clear terminal ID

Description

The V88 is a panel/flush mount relay socket. The V88 socket has a base with two highly reliable spring clamp terminals per relay contact, so looping/daisy chaining can be done on the socket and no external connector or terminal is needed.

The spring clamp terminal makes a quick connection possible by pressing the spring with a flat-bladed screwdriver and inserting the stripped wire. Solid and (fine) stranded wires up to 2.5mm² can be inserted in the spring clamp terminal. This quick & easy wiring method saves up to 75% wiring time. Pinning on the socket complies with the pinning on the relay.

To prevent fault relay placement the socket can be equipped with mechanical keying to accept only designated identical keyed relays.

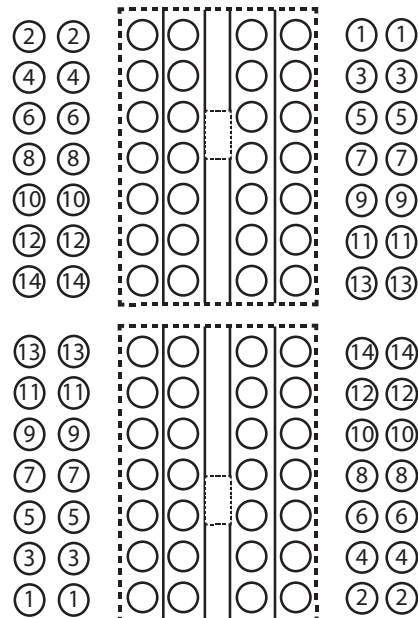
Application

The V33 relay socket is suitable for general railway and industry applications with a space saving design. Installation and replacement of relays is made easy and cost saving. No maintenance is required for the user.

Suitable for all railway and industry D-platform relays.

Connection diagram

Bottom view



Railway compliancy

EN 50155
IEC 60571
EN 45545-2
NF F16-101/102
NF F 62-002

Industry compliancy

EN 60947-5-1
IEC 61810

Technical specifications

Technical characteristics

Contact rating	10 A
Dielectric strength	IEC 60255, IEC 60571 2500 V, 50 Hz, 1 min
Protecting category	IEC 60529 IP20
Mounting	Panel mounting
Max. ambient temperature	80 °C
Weight	143 g
Dimensions	60 x 87.8 x 45.7 mm (depth is 38 mm from front of panel)
Wire size	0.08 - 2.5 mm ²
Wire stripping length	9-10 mm
Material	Polyamide 66 , 30% glass
Socket contacts	Spring terminal
Max. torque value mounting screws	1 Nm
Accessories	A104 Key receptable

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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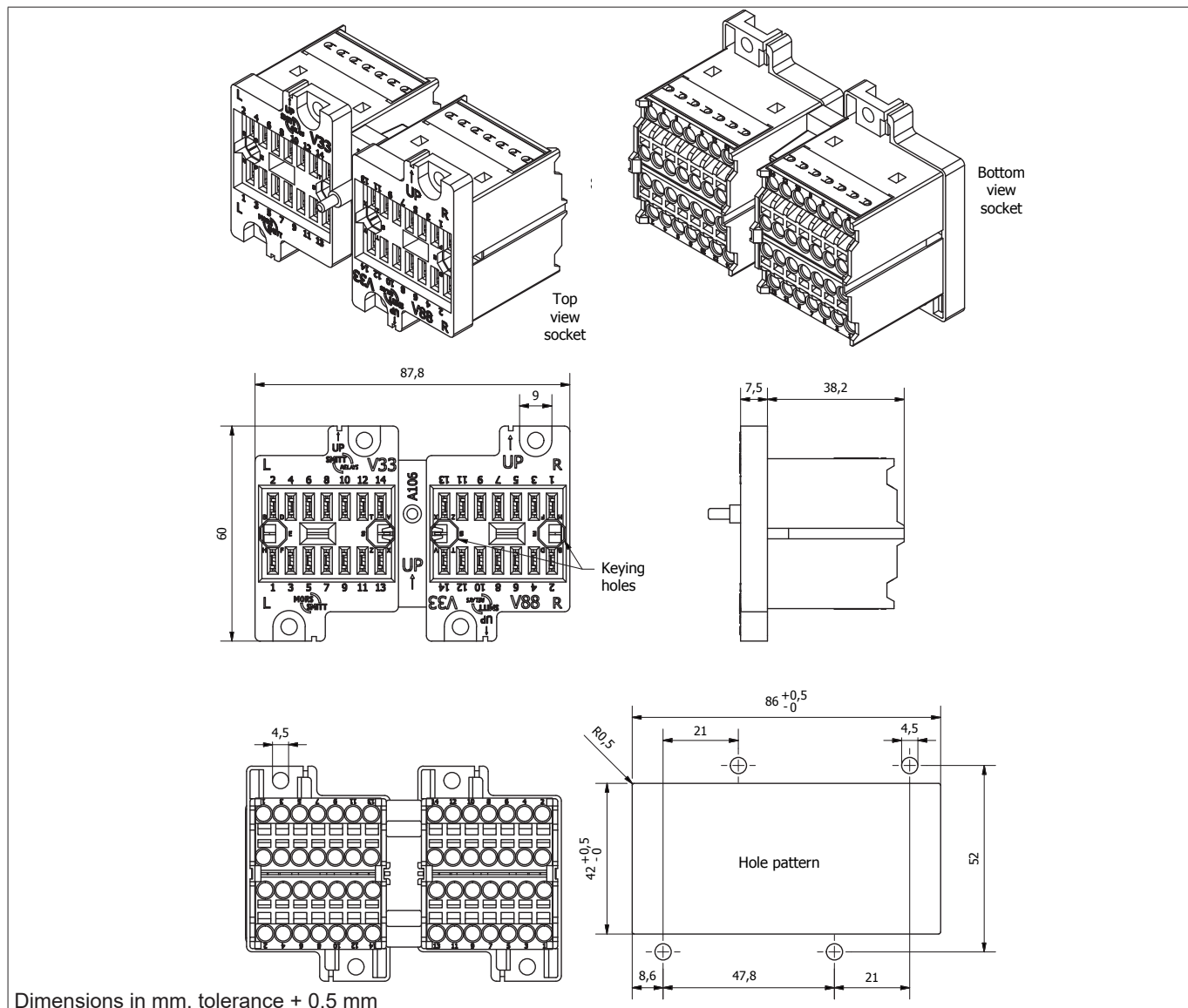
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Socket V88

Dimensions



Railway compliancy

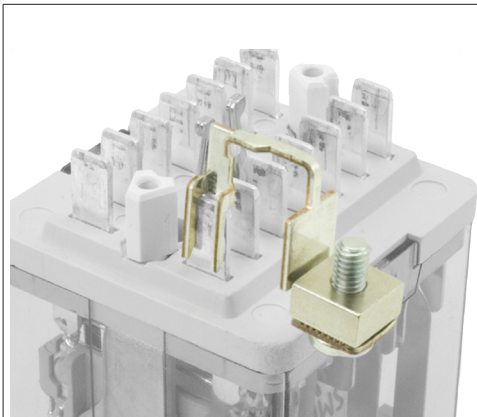
EN 50155	Railway applications - Rolling stock - Electronic equipment
IEC 60571	Railway applications - Electronic equipment used on rolling stock
NF F16-101/102	Railway rolling stock - Fire behavior
EN 45545-2	Railway applications - Fire protection on railway vehicles Part 2: Requirements for fire behavior of materials and components
NF F 62-002	Railway rolling stock - On-off contact relays and fixed connections

Industry compliancy

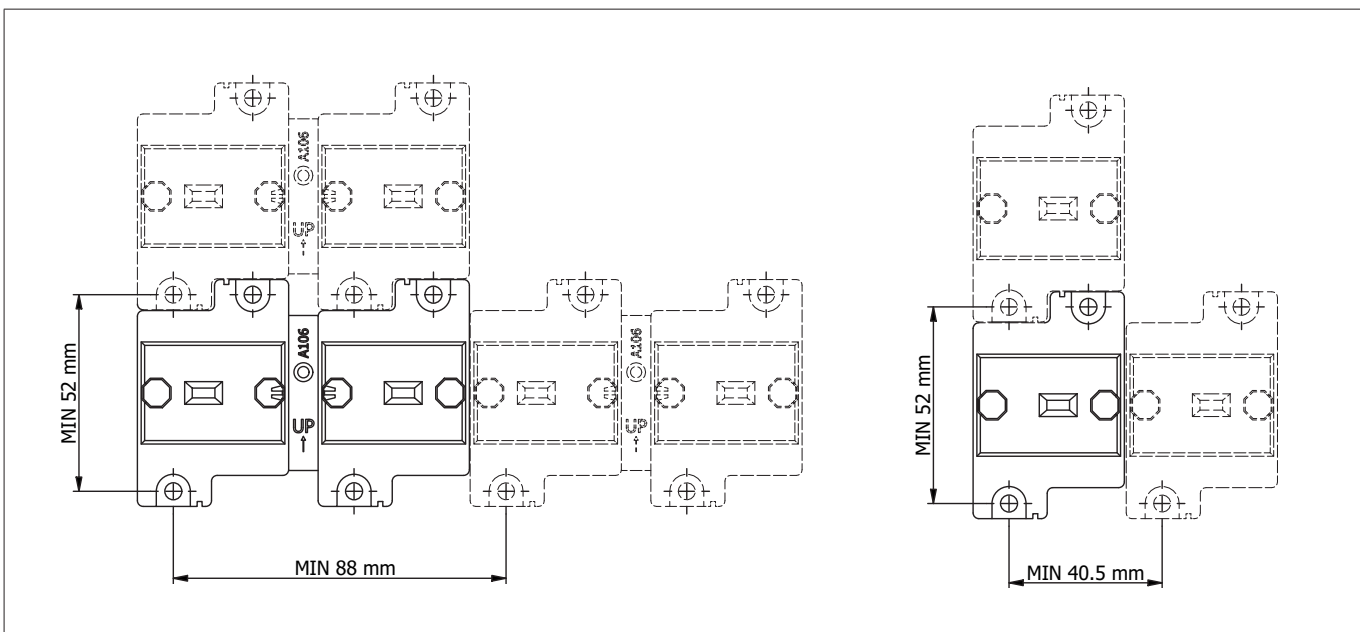
EN 60947-5-1	Electromechanical control circuit devices and switching elements
IEC 61810	Electromechanical elementary relays

Socket V88

Tri-furcated female receiver for tight grip relay pin



Optimum use of space



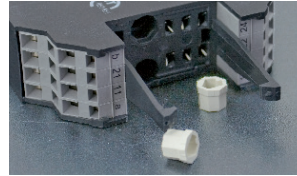
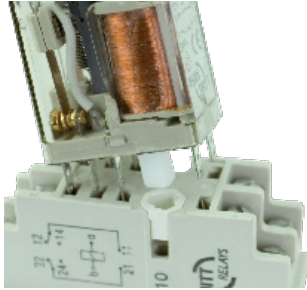
V33 socket



V33 Spring terminal relay socket for 4 contact relays (D- and D-U relays)
For details see datasheet V33.

Socket V88

Mechanical keying relay and socket (optional)



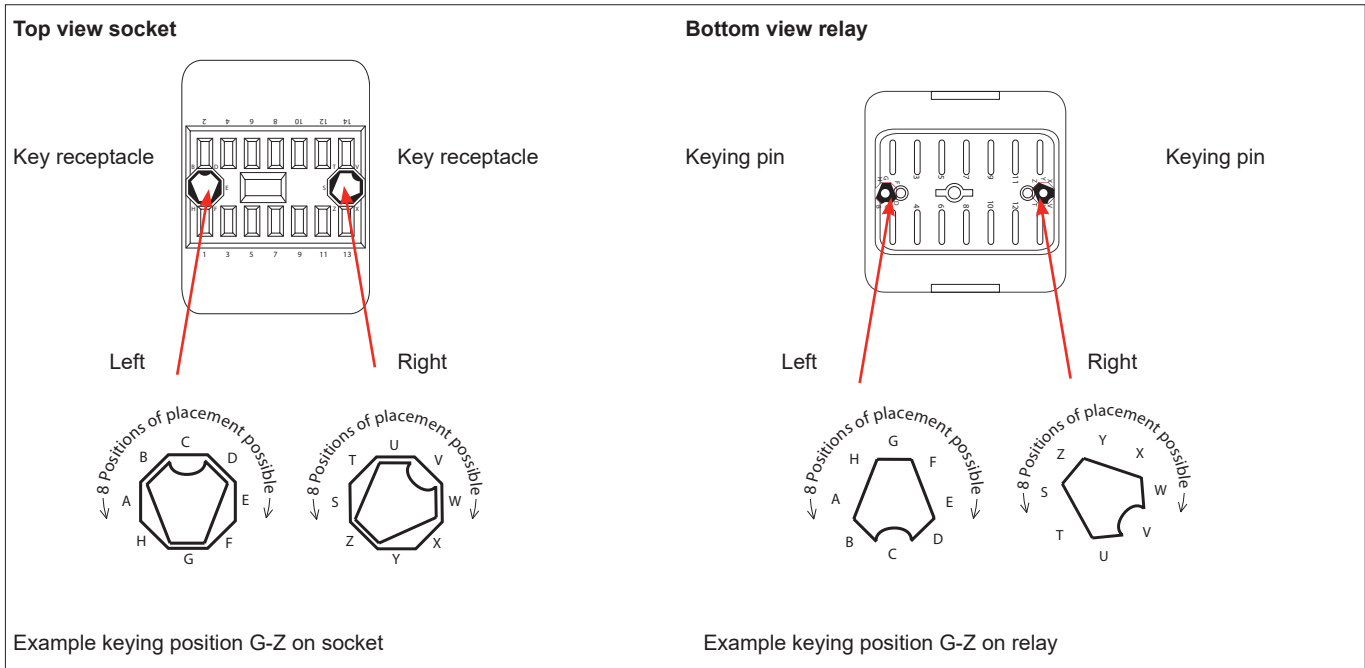
Function:

- To prevent wrong installation
- To prevent damage to equipment
- To prevent unsafe situations

Using keyed relays and sockets prevents a relay being inserted in a wrong socket. For example it prevents placing a 24 VDC relay in a 110 VDC circuit. Positive discrimination is possible per different function, coil voltage, timing, monitoring, safety and non-safety.

The D- relays socket keying option gives $8 \times 8 = 64$ possibilities. Upon ordering the customer simply indicates the need for the optional keying. Mors Smitt will assign a code to the relay and fix the pins into the relay. The sockets are supplied with loose key receptacles. Inserting the keys into the socket is very simple and self explaining.

Remark: Sockets and relay shown are examples.



Installation and inspection

Installation

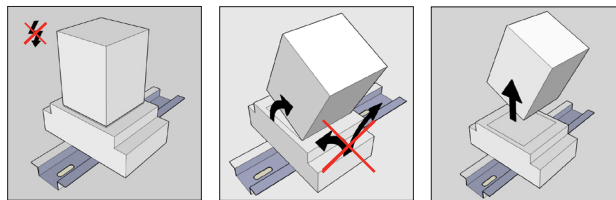
Before installation or working on the relay: disconnect the power supply first!

Install socket and connect wiring according to the terminal identification. Plug relay into the socket ensuring there is no gap between the bottom of relay and the socket. Reverse installation into the socket is not possible due to the mechanical blocking snap-lock feature.

No external retaining clip needed as the 'snap-lock' will hold the relay into the socket under all circumstances and mounting directions (according shock & vibration requirements IEC 61373, Category I, Class B, Body mounted).

Warning!

- To remove relays from the socket, employ up and down lever movements. Sideway movement may cause damage to the coil wires.



When plugging the relay into the socket, the female bifurcated or trifurcated receivers will automatically cut through the corrosion on the pins and guarantee a reliable connection.

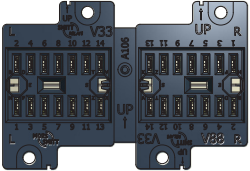
Inspection

If the socket does not work after inspection of the correct wiring and relay connection, replace the unit with a similar model.

When returning products for investigation, please provide all information on the RMA form. Send defective products back to the manufacturer for repair or replacement. Normal wear and tear or external causes are excluded from warranty.

Socket V88

Ordering codes

				
V33	V88	A104		

Article no.	Code	Description
338000570	V33	Spring terminal relay socket
338001700	V88	Spring terminal relay socket for 8 contact relays
378690100	A104	Key receptacle

Socket
V88

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