V97 socket - Crimp terminal, panel mount, 8 pole

Datasheet

Features

- Panel mount
- Crimp contacts
- Space saving
- Suitable for all D8 and KDN relay series
- Positive mechanical keying
- Clear terminal ID

Benefits

- Proven reliable
- Long term availability
- Easy to maintain
- Low life cycle cost
- No maintenance

Description

The V97 is a panel mount relay socket with one terminal per relay contact. The wires are crimped on separate crimp contacts A260 for insertion after crimping.

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

Clear UP ↑ arrow for correct mounting.

Application

The V97 relay socket is suitable for general industrial 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 D8 and KDN relay series.

Industry compliancy

- EN 60947-5-1 - Electromechanical control circuit devices and switching elements
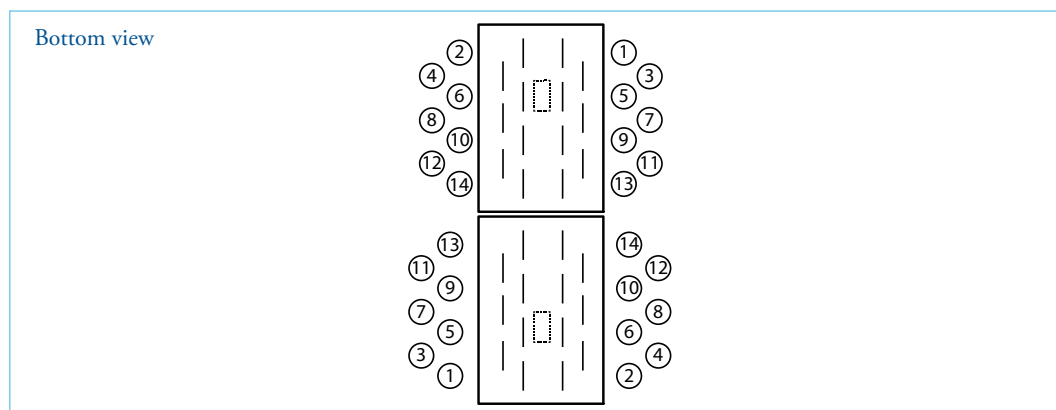- IEC 61810 - Electromechanical elementary relays
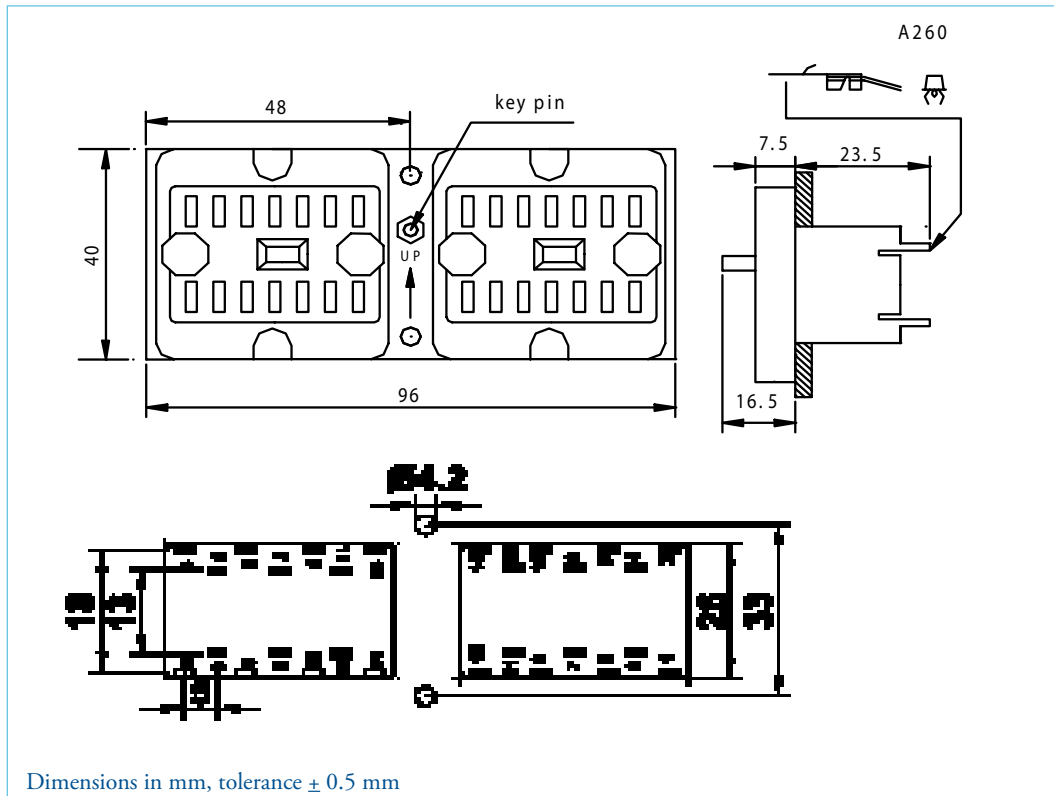
V97 socket
Technical specifications

Technical characteristics

Contact rating	10 A
Dielectric strength	IEC 60255 / IEC 60571, 2500 V, 50 Hz, 1 min
Protecting category	IEC 60529, IP20 (relay side)
Mounting	Panel mount
Max. ambient temperature	80 °C
Weight	100 g including 28 crimp contacts A260
Dimensions	40 x 96 x 31 mm
Wire diameter	Core 1.3 to 2.0 mm, isolation 3.0 to 4.6 mm
Material	Polyamide 66, 30% glass
Socket contacts	Crimp contacts
Accessories	A104 Key receptacle
	A260 Crimp contact
	Crimptool for A260
	A261 Contact remove tool
Remark	To achieve an optimum shock & vibration (relay/socket) assembly, we recommend to insert all 28 A 260 crimp contacts in the V97 socket

Connection diagram

Bottom view

Dimensions

Dimensions in mm, tolerance ± 0.5 mm

V97 socket
Technical specifications

V26 Faston terminal relay socket for 4 contact relays (all D-relay series).
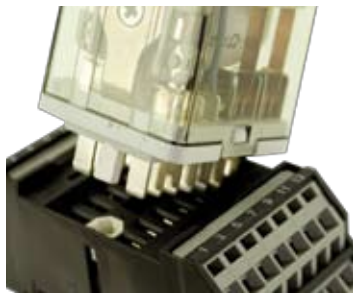
For details see datasheet V26.

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V97 socket
Technical specifications

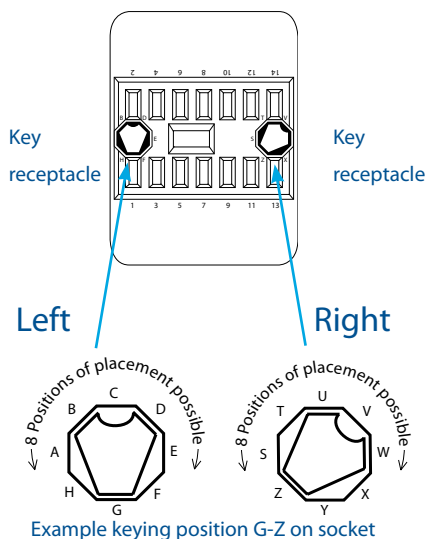## Mechanical keying relay and socket (optional)

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

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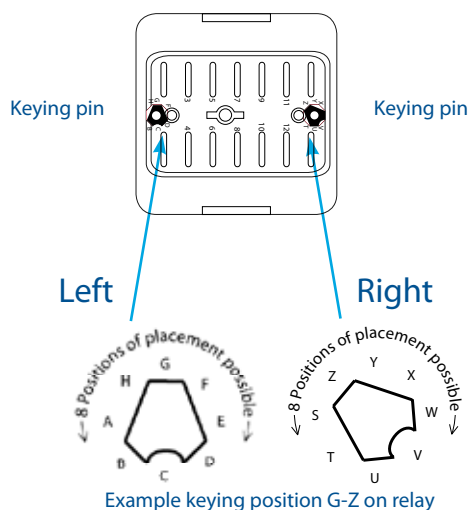
The D-relays socket keying option gives 8 x 8 = 64 possibilities. Upon ordering the customer simply indicates the need for the optional keying. Mors smitt will assign a code to the relay and fix the pins into the relay. The sockets are supplied with loose key receptacles. Inserting the keys into the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

Remark: socket and relay type are only examples.

Top view socket   Bottom view relay

Key receptacle   Key receptacle   Keying pin   Keying pin

Left   Right   Left   Right

Example keying position G-Z on socket   Example keying position G-Z on relay

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V97 socket
Technical specifications

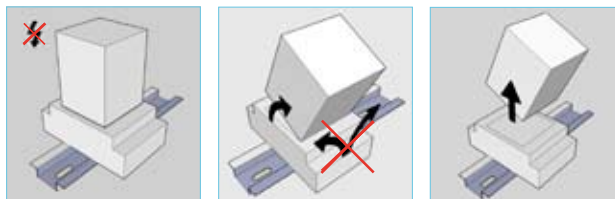## Installation & inspection

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 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.

V97 socket
Ordering possibilities

V97

V26

A104

A260

A261

Article nr	Code	Description
338400100	V97	Crimp terminal relay socket
328400100	V26	Crimp terminal relay socket
378690100	A104	Key receptacle
500220000	A260	Crimp contact
339940305		Crimptool for A260 (AMP 674655)
339940300	A261	Contact remove tool

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