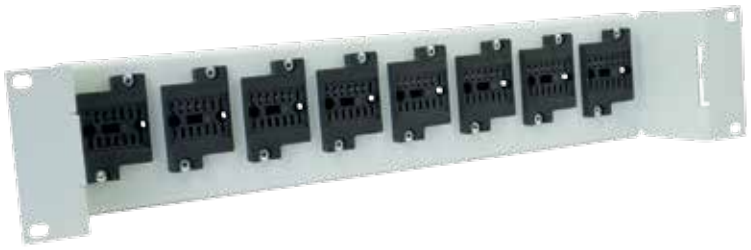
19” module 2U for D-relays

Datasheet



Features

- Spring clamp terminals
- No internal soldering / connections
- Suitable for flush/panel mounting
- Touch proof IP20
- Suitable for all D-relays
- Twin connection per contact
- Wire up to 2.5 mm²
- Easy & quick installation
- Trifurcated female receiver for tight grip relay pin
- Clear terminal ID

Benefits

- Proven reliable
- Long term availability
- Easy to maintain
- Low life cycle cost

Industry compliancy

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

Description

The 19” module is equipped with 8 pieces of the V33 relay socket. Each contact on the V33 socket has two high quality spring terminals, suitable for two wires up to 2.5mm² (solid or stranded), the looping/daisy chaining can be done on the socket and no external connector or terminal is needed.

The spring terminal makes quick connection possible by pressing the spring with a flat-bladed screwdriver and inserting the stripped wire. Solid and (fine) stranded wire up to 2.5mm2 can be inserted. This quick & easy wiring method saves up to 75% wiring time compared with classic technology, like screw terminals.

Application

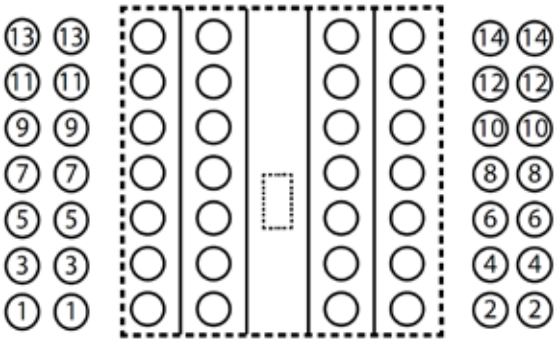
For heavy duty, industrial applications, space saving design. Installation and replacement of plug-in relays is made easy and cost saving. No maintenance is required for the user.

19" module 2U for D-relays
Technical specifications

Characteristics

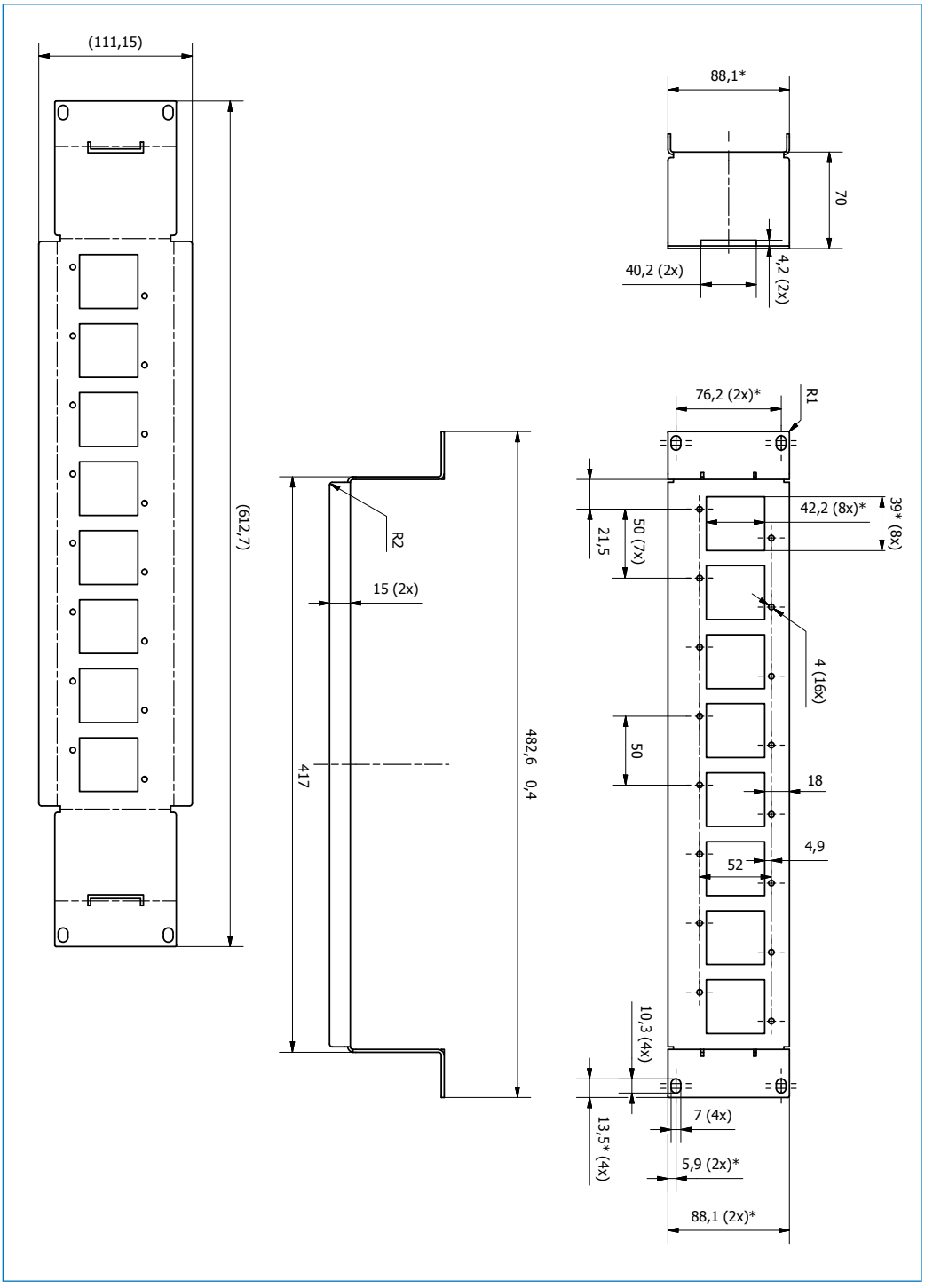
Contact rating	10 A
Dielectric strength	IEC 60255 / IEC 60571, 2500 V, 50 Hz, 1 min
Protecting category	IEC 60529,IP 20
Mounting	Flush / panel mounting
Max. ambient temperature	80 °C
Weight	1125 g
Dimensions	612.7 x 88.1 x 70 mm
Wire size	0.08...2.5 mm^2
Material (sockets)	Polyamide 66, 30 % glass
Socket contacts	Spring terminals
Max. torque value mounting screws	1 Nm
Accessories	A104 key receptacle

Connection diagram



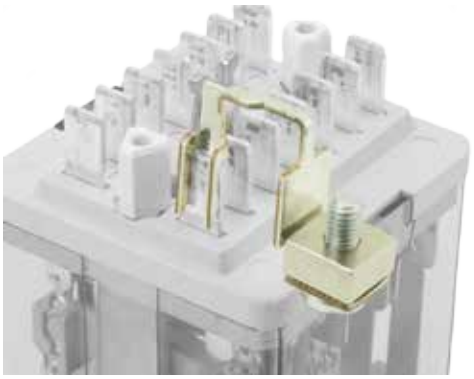
19” module 2U for D-relays
Technical specifications

Dimensions (mm)



19” module 2U for D-relays
Keying

Tri-furcated female receiver for tight grip relay pin



19” module 2U for D-relays
Keying

Mechanical keying relay and socket (optional)

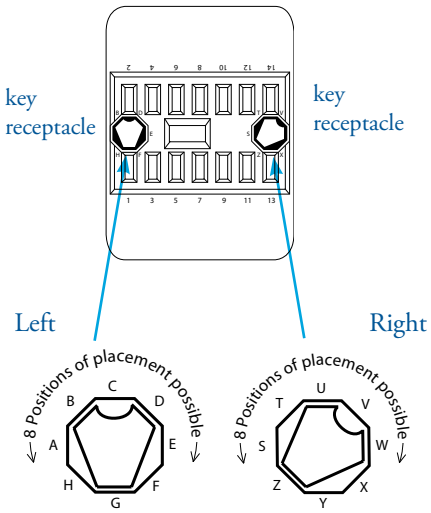
Function:
To prevent wrong installation
To prevent damage to equipment
To prevent unsafe situations

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

The D-relay 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.

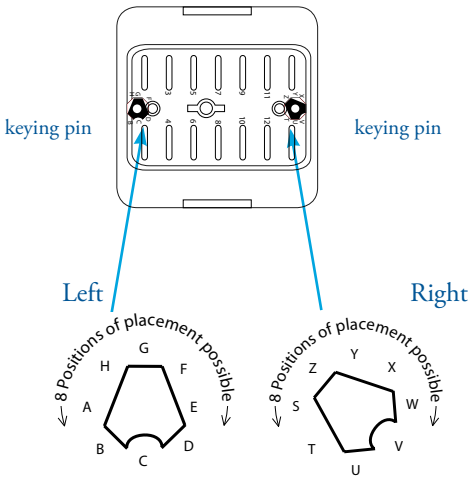
Remark: Sockets and relay shown are only examples.

Top view socket



Example keying position G-Z on socket

Bottom view relay



Example keying position G-Z on relay

19" module 2U for D-relays
Instructions

Installation, operation & inspection

Installation

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

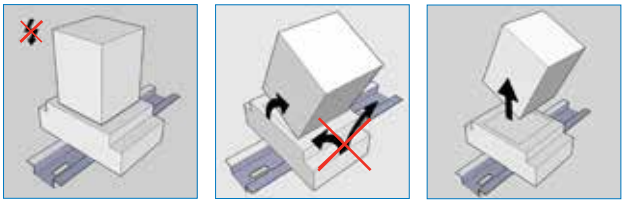
Install socket and connect wiring according to the terminal identification. Plug relay into the socket ensuring there is no gap between the bottom of relay and the socket. Reverse installation into the socket is not possible due to the mechanical blocking snap-lock feature.

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).

Always mount the socket in the dimension of the up arrow.

Warning!

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



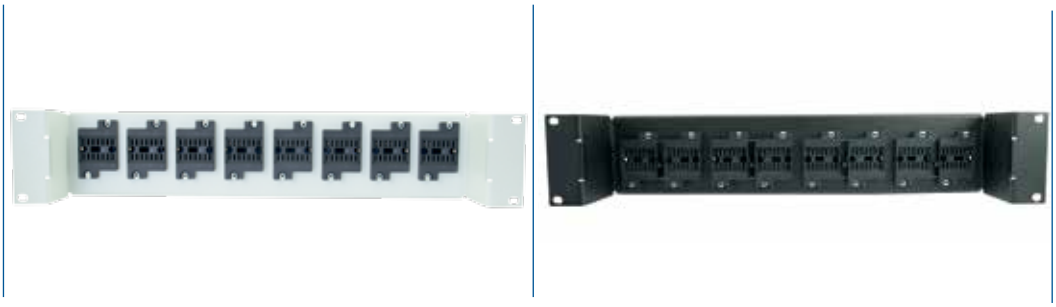
When plugging the relay into the socket, the female bifurcated receivers will automatically cut through the corrosion on the pins and guarantee a reliable connection.

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.

19” module 2U for D-relays

Ordering possibilities



Article nr	Description
560882098	19” module 2U D-relays GREY 7035
560882098A	19” module 2U D-relays BLACK

Mors Smitt
A Wabtec Company

SERVING SAFETY

DS-19”module 2U D-relays V1.0 July 2015

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