

PRIR

SERIES

CONNECTION: **REAR**
TERMINAL TYPE: **SPRING CLAMP**
MOUNTING: **PANEL**

SUITABLE FOR



OVERVIEW

- Cable secured with spring clamp mechanism
- Insertion of lug with no need of tools
- Quick and easy wiring, saving more than 75% of time taken with conventional wiring
- Panel mounting
- Excellent contact pressure on relay terminals

- Sturdy construction, no internal soldering
- Compatible with cable up to 2.5 mm², bare (flexible or rigid) and with lug; 2 inputs per terminal
- Provision for fitment of keying pins
- Provision for fitment or retaining clip
- Protection IP20

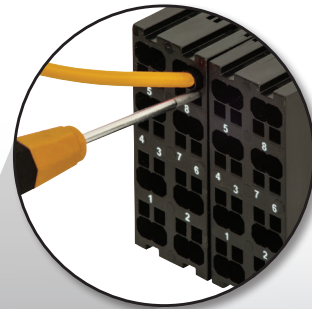
MODELS



PRIR08x



PRIR16x



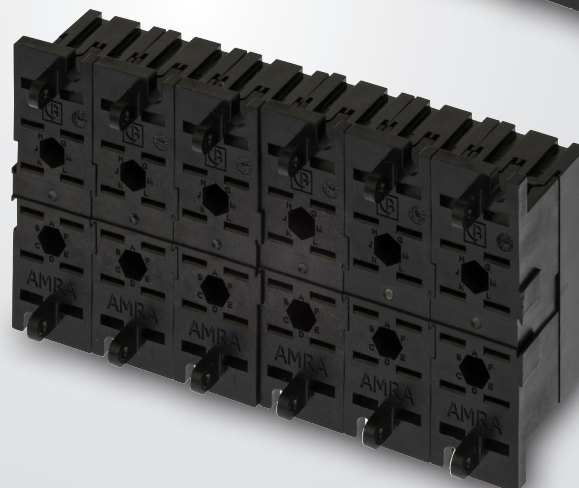
Detail of connections



PRIR32x

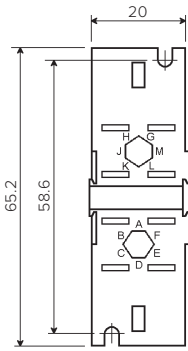


PRIR24x

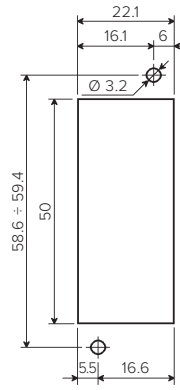
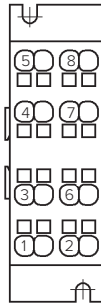


PRIR48x

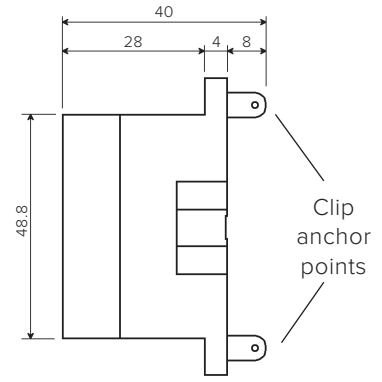
PRIR08x



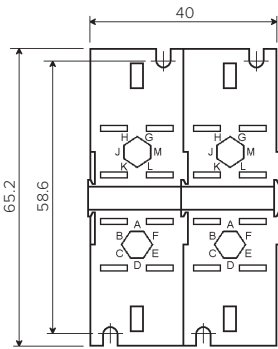
PRIR080 - Rear view



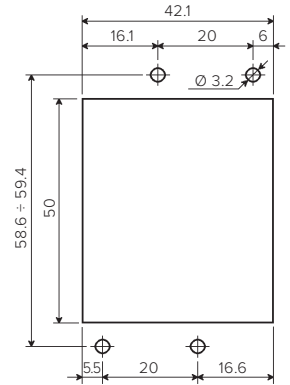
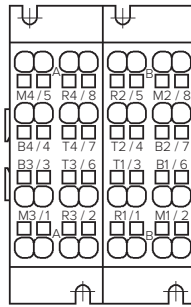
Drilling template



Side view

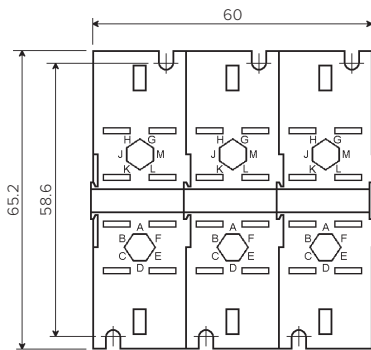


PRIR160 - Rear view

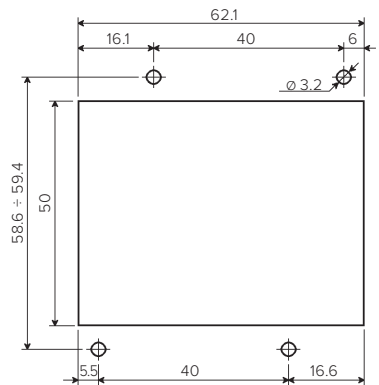
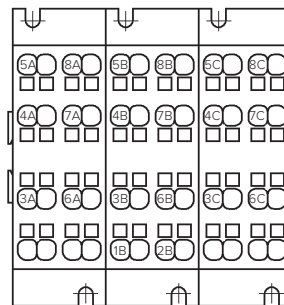


Drilling template

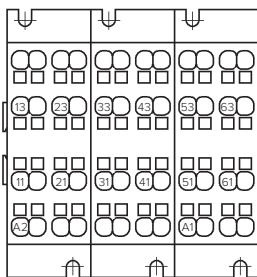
PRIR24x



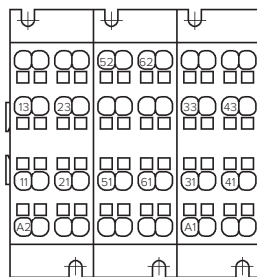
PRIR240
Model with "TRIPOK" numbering
Rear view



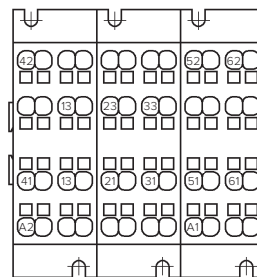
Drilling template



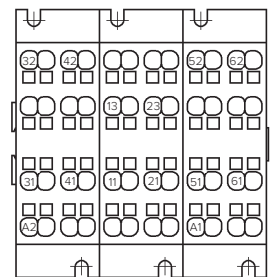
PRIR241
Model with numbering for RVLV16/1



PRIR242
Model with numbering for RVLV16/2

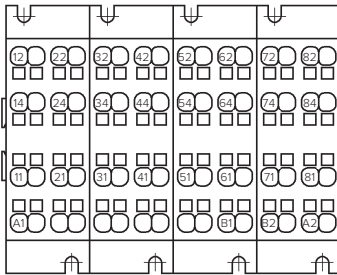
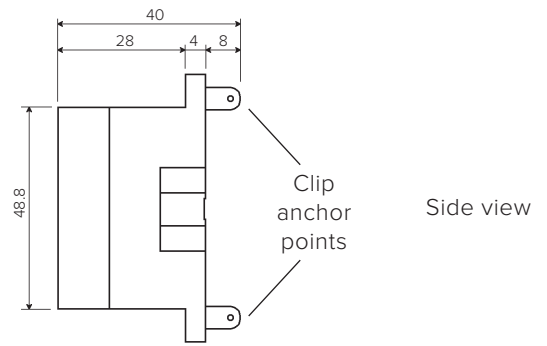
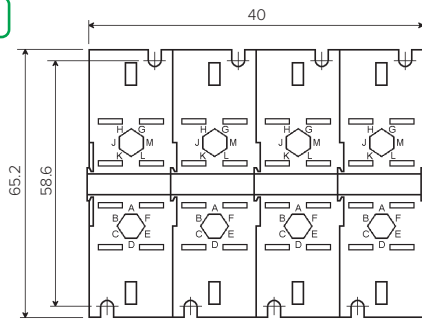


PRIR243
Model with numbering for RVLV16/3

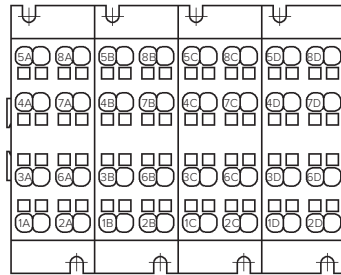


PRIR244
Model with numbering for RVLV16/5

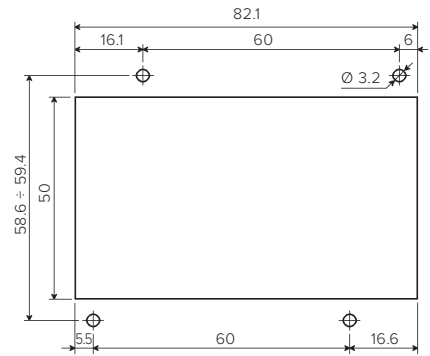
PRIR32x



PRIR320 - Rear view

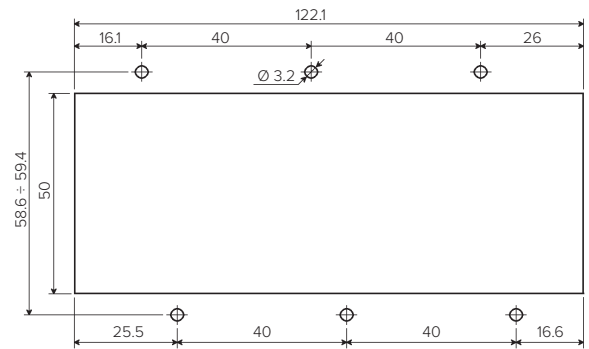
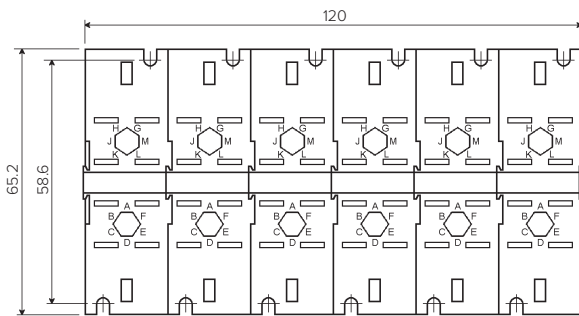


PRIR321 - Rear view

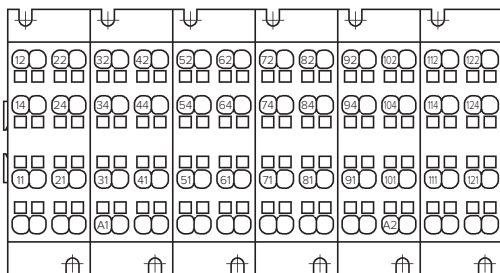


Drilling template

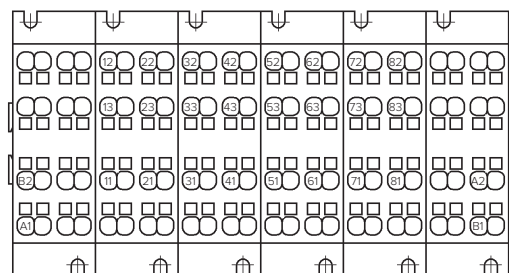
PRIR48x



Drilling template



PRIR480 - Model with "ESAPOK" numbering



PRIR481 - Model with "BAS8NB" numbering

SPECIFICATIONS

Weight: 35 / 70 / 105 / 140 / 210 g

Operating temperature: -50°C...+70°C

Storage temperature: -50°C...+85°C

Panel mounting:

- \varnothing holes: 3.2 mm

Degree of protection: IP20

Insulation voltage:

- **between adjacent terminals:** 2.5 kV 50 Hz for 1 min
- **between terminals and external ground:** 4 kV 50 Hz for 1 min

Fire resistance: EN60695-2-1, UL94 - V0, EN45545-2, NFPA130

Standards: EN 61810, EN61373

Angle of insertion tooling: 90° ± 5° from insertion surface

Terminal type: spring clamp

Inputs for each relay terminal: 2

Minimum section of cable:

- cable without lug: 0.5 mm²
- cable with lug: 0.5 mm²

Maximum section of cable: 2.5 mm²

- bare cable: 2 x 2.5 mm²
- cable with lug: 2 x 2.5 mm²
- cable with **INSULATED** lug: 1 x 2.5 mm² or 2 x 1.5 mm²

Wire stripping length, mm: 10 mm ± 0.5 mm

Length of lug: 12 mm

Wiring with rigid cables or lug: pressure grip

Wiring with flexible cables, extraction of cables: using screwdriver type tool with slim shaft and slotted head measuring 2.5mm x 0.4 mm, inserted perpendicularly to the socket.

PRODUCT IN SHORT

PRIR socket series (rear connection) expands the wide range of **AMRA** sockets and support the **PAIR** series (front connection), already on the market since 2012.

Wire connection is made by highly reliable spring clamp terminals.

This technology, already available on the market since many years, has been introduced on **AMRA** sockets in order to profit of several, economical as well as technical, advantages during wiring operations.

PRIR sockets can be used for both solid and flexible wires from 0.5 to 2.5 mm², both with and without cable lug.

Each electrical connection has a double wire entry; this allows the connection of 2 wires for each relay terminal and to realize, for example, parallel or series connections and distribution of a common ground, **DIRECTLY ON THE PRIR** series **SOCKET**. It's possible the use of conductors with differing cross-sections, since the spring mechanism is separated for each wire entry.

No tools are required for the direct connection of solid conductors or conductors with lugs. A light pressure is enough to fasten the lead into the socket.

No special tools are required even when inserting flexible leads or unlocking the clamping spring: a common flat-bladed screwdriver is enough for both operations.

Wiring by **PRIR** series sockets assures a quicker and easier cabling, by offering a contact quality which is no more affected by diligence or sensibility of each operator who tightens the screw, therefore determining the tightening torque.

This wiring enables a perfect vision of the whole operation as well as a **SAVING IN SPACE**; the distance between a row of sockets and the next one can be reduced by a few centimeters compared to the traditional sockets with screw terminals, which have conductor entries from the top or from the bottom.

This system presents a considerable **SAVING IN TIME** as well: according to an estimation of our major customers, cabling by means of this technology enables to save 75% of the time for cabling compared to the traditional screw-terminal based systems. When it is possible to avoid conductor crimping operation, the saving in time can be still increased.

The contacts do not need to be checked like the contacts set through a screw and it will not be necessary to tighten the screw after strong vibrations or temperature changes.

Therefore their operation is not influenced by shocks or vibrations.