



AA-36 is a protected relay for DIN rail mounting in the size of a single module, one via, with a central common (CC contact), a NC (normally closed) contact and a NO (normally open) contact, in exchange. The contacts are protected against electric arcs.

The control voltage may be 12V nominally or 24V in both DC or AC voltage. The high capacity of the contacts makes AA-36 highly flexible for the most various applications.

A front LED signals the condition of the state of the relay coil command while the screw terminals allow a simple and immediate installation.

The internal circuit is internally equipped with voltage rectifying diodes, filter capacitors and diodes for over-voltage protectors for the relay coil. In addition, the output contacts are protected by GE-MOV type varistors for the shutdown of any harmful electric arcs between the contacts of the relay, due to particular loads, which might limit the duration in time.

AA-36 is used as a relay repeater power whenever the output component of the command device (small relay, transistor, continuous or alternating voltage, etc.) is not able to provide or withstand strong currents of the load. The low current necessary for AA-36 actuator activation (less than 40mA DC or AC) makes it useful in all circumstances without overloading danger of control device.

AA-36 is the ideal complement to be used to drive power loads and for civil and single phase industrial applications.

- ◆ Contacts protected against electric arcs
- ◆ Internal relay coil protected from overvoltage
- ◆ Wide range of AC / DC drive voltages
- ◆ Easy installation on 1 DIN rail module
- ◆ Switching capacity 4kW - 230VAC - 16A
- ◆ Front LED for coil drive signaling
- ◆ DIN rail mounting 1 module width
- ◆ Connection with practical screw terminals
- ◆ Low consumption of drive current
- ◆ High electrical isolation between input/output

## Technical Features

Capacity of the relay contacts AC:	250Vac – 16A – 4KVA
Capacity of the relay contacts DC:	30Vdc – 16A – 480W
Protection contacts:	suppressors of electric arc on both contacts of the relay with GE-MOV varistors
Pin 12V input voltage:	12VAC/DC – 35mA - 0.42W (For relay drive min. 9,0V – 30V absolute maximum) (For relay release voltage must be less than 4,0V)
Pin 24V input voltage:	24VAC/DC – 35mA - 0.84W (For relay drive min. 16,0V – 30V absolute maximum) (For relay release voltage must be less than 6,0V)
Isolation between input and output:	5KV – 50Hz
Sealed internal relay following standards:	IEC61810-7 IEC60255-5, IEC68-2-27, IEC68-2-6 IEC68-2-21, IEC68-2-20, IEC68-2-3
Ambient temperature:	-40°C / 85°C
Relative Humidity:	95% non-condensing
Mounting type:	DIN rail, 1 module (width 17 mm)
Grade of protection:	IP20
External dimensions:	W 17 x H 90 x D 60 mm
Weight:	60 gr

### Input Screw Terminals

- 1 Control signal input 24V AC/DC
- 2 Common
- 3 Control signal input 12V AC/DC

### Output Screw Terminals

- 4 NC – Normally closed contact
- 5 CC – Common central contact
- 6 NA – Normally open contact

**Product entirely developed and manufactured in Italy**