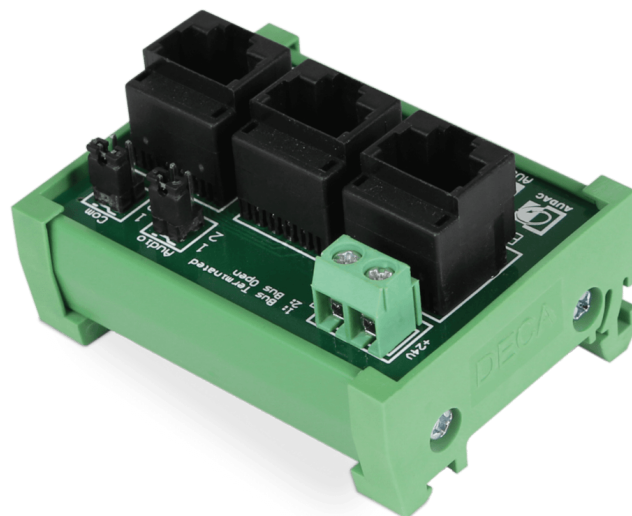


## Product information:

The ARJ03P is an RJ45 splitter / junction box which can be used for connecting and splitting any twisted pair based databus which is connected using RJ45 connectors. A typical application example is the expansion of communication and audio transferring busses whereby multiple input and/or output devices are connected to one single peripheral port on a matrix system. Another typical example is the application of an external power supply to a communication bus, for powering the remote in- or output module when the transferred supply voltage has become insufficient due to the long cable lengths. It consists of three RJ45 connectors which are a 'BUS IN' and 'BUS OUT' connector for making the incoming and outgoing connections while the third connector allows the connection for the remote in- or output module. Two termination jumpers are provided whereby the communication (Pin4 & Pin5) and audio (Pin7 & Pin8) pairs can be terminated at their characteristic impedance (120 Ohm), to ensure a clear communication without reflections. A terminal block connector is provided whereby an external power supply (+24 V DC) can be connected to the bus. The +24 V DC is available on RJ45 Pin3 (+) and Pin6 (GND). The unbreakable plastic housing allows easy mounting on Mini DIN rails.



## System specifications:

|                 |               |  |
|-----------------|---------------|--|
| Bus termination | Audio         | 120 $\Omega$                                 |
|                 | Communication | 120 $\Omega$                                 |
| Connectors      |               | 3 x RJ45                                     |
|                 |               | 1 x 2-pin Euro Terminal Block (Power supply) |

## Product Features:

|              |                                  |
|--------------|----------------------------------|
| Dimensions   | 2.40 x 1.89 x 1.57 " (W x H x D) |
| Weight       | 0.095 lb                         |
| Mounting     | Mini DIN rail                    |
| Construction | Unbreakable plastic housing      |
| Colours      | Green                            |