SLC3

Signal converter from **RS232 to RS422/485** Optoinsulated

SLC3 Converter RS232 -- RS485 / RS422 Optoinsulated
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Table Version

Version bar DIN

Functional Characteristics:

SLC3 is an adapter of two-way interface among serial lines of communication RS232 and RS422/RS485.

The converter SLC3 adapts the electric greatness of the different standards without effecting some trancoding of characters, for this, it results transparent to all the codes and protocols both in synchronous way that asynchronous.

It possesses two channels of transmission and **2** channels of receipt than can indifferently be used for data and/or signals of handshake. In the case of **connections multidrop** RS422 or RS485 a channel is normally used fort the transmission and a channel of receipt while the control of the bus (activation/deactivation driver of transmission)is realized through the signal of **handshake** RTS.

The galvanic separation among the line RS232 and the lines RS422/RS485 makes the converter particulary proper in serious industrial environments and it resolves the due problems to differences of potential among the various equipments connected between them.

The leds on the frontal panel allow the continous monitoring of the lines transmission/receipt and of the signal of handshake, particularly useful in phase of installation and maintenance of the plants.

Through **dip-switch** is possible to choose the way of conversion RS232-RS422 or RS232-RS485 and to insert the loads of termination lines. The power supply to 230 Vca and the redoubts mechanical dimension (125x53x135mm) easily make it insertable in all the applications.

Main applications:

- Conversion of lines RS232 in lines RS422 or RS485 and vice versa.
- Connection of equipments RS232 distant among them up to 1000 meters, with speed up of transmission up to 115.200 baud.
- Connection of equipments and/or systems interface RS232 and equipments with interface RS422 or RS485.
- Connection of more equipments with interface RS232 on a single line RS485 with duplex cable twisted-pair.
- Connection of equipments and/or systems in presence of strong interference a/o elevated 'Common-mode' among the same.

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