

R005

DL (Sauter EY2400) / RS232 converter



Summary

R005 is a data converter of the DL bus (two-wire communication bus Sauter for the controllers of the series EY2400) to RS232. Interface RS232 is connected by three screw terminals.

Application

- **Integration of controllers of the EY2400 series into PLC or visualisation through a RS232 interface**

Function

The DL bus with up to 20 Sauter controllers can be connected to a process station with a corresponding driver (e.g. Domat IPCB.1, IPCT.1 or IPLC510) or the master system (e.g. RcWare Vision-x) through a RS232 communication line. The configuration of the converter is fully automatic – no manual configuration is necessary.

The device is installed on a DIN rail. To connect the Sauter bus, there are 2 pairs of screw terminals for comfortable mounting.

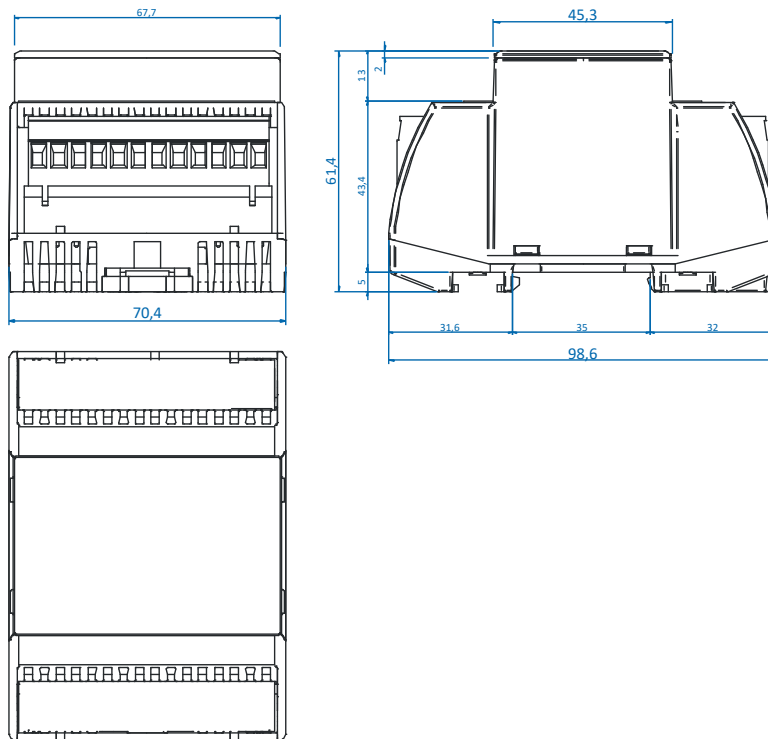
Technical data

Power supply	230 V AC, 50 Hz
Consumption	max. 4 VA
Ambient temperature	-20...70 °C
Relative humidity	5...95 % non-condensing
DL	according to standard Sauter, max. 20 controllers
Maximum DL bus length	1200 m

Max. number of controllers on DL bus	20
Maximum RS232 bus length	15 m, according to standard RS232C
LED	2 × green Tx, 2 × yellow Rx
Dimensions	see below

Terminals, LEDs	L	power supply 230 V AC line
	N	power supply 230 V AC neutral
	+L/A	DL bus, positive cable
	-D/B	DL bus, negative cable
	TxD	RS232, transmit
	GND	RS232, ground
	RxD	RS232, receive

Dimensions



All dimensions are in *mm*.

WEEE notice

The device contains a non-rechargeable battery which backups the real-time clock and part of the memory. After the device is not operable, please return it to the manufacturer or dispose of it in compliance with local regulations.

**Changes in
versions**

11/2016 – The first datasheet version.

08/2021 – Stylistic adjustments, change of logo.