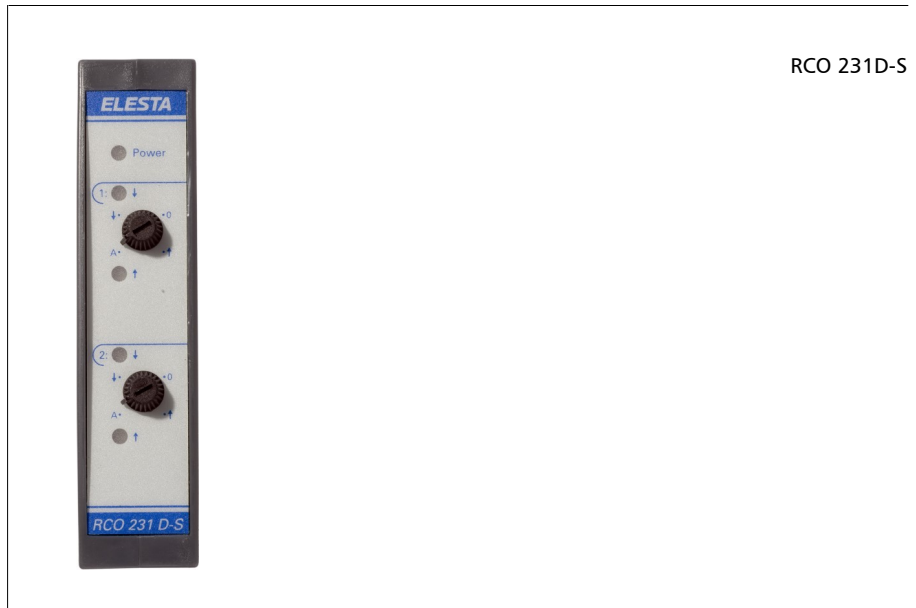


Data sheet



I/O modules



RCO 231D-S

Application

Controlesta RCO 231D-S is a Tri-state Output Module with two tri-state outputs and manual override ability. The module can be operated in combination with a Master Controller RCO 9..D-M/W and is suitable for the operation in the RCO network. The slave module RCO 230D-S is able to supply tri-state output signals (230 V, 4 A) to the technical plant. The control -, optimising and monitoring functions are programmed within the Master Controller. Up to 32 I/O modules can be connected to one Master Controller via the L-bus.

Features

- 2 tri-state outputs with manual override ability
- Automatic feedback via the L-bus
- Plug-in terminals
- Small size
- For Din-rail- or panel door mounting
- Approved according to European EMC standards EN IEC 61000-6-1:2019, EN 55011:2016 + A1:2017
- CE-Approval
- GOST-R conformity certified



Environmental conditions

Ambient temperature 0 ... 50 °C
Storage temperature -20 ... 60 °C
Ambient humidity 0 ... 85 % rH, not condensing
Protection class II

Execution

Housing plastic, for Din-rail- or panel door mounting
Production to ROHS manufactured in acc. with EN IEC 63000:2018
Dimension W x H x D, 22,5 x 97 x 125 mm
Weight 170 g

Electrical data

Power supply 24 VDC +/- 10 %, Class II
Power consumption 2,9 W
Wire capacity 14 ... 24 AWG (0,25 ... 2,5 mm²)
Main tightening torque 0,55 ... 0,8 Nm
Protection acc. to EN 60529 IP 20

Bus

L-Bus speed in Kbps 20 / 100 / 500 / 1000
max. length depending on speed
max. participants 32 participants

Functional data

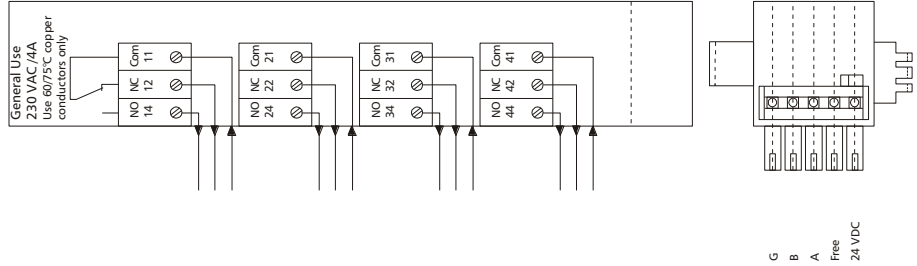
Communication Interface 1 L-Bus Interface
Outputs: Tri-state outputs with change-over contact for 230 V / 4A,
Power LED green L-bus active
red L-bus not active

Per output a two-coloured LED is integrated
 Automatic operation/output active: LED green
 Automatic operation/output not active: LED out
 Hand operation 1: LED red
 Hand operation 0: LED out

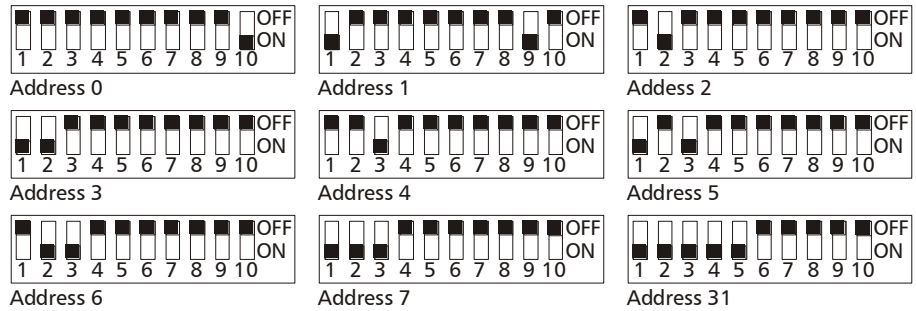
Programming

Within the Master Module RCO 9...D-M/W

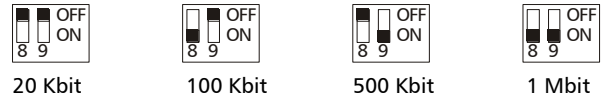
Connection allocation



DIP switch setting

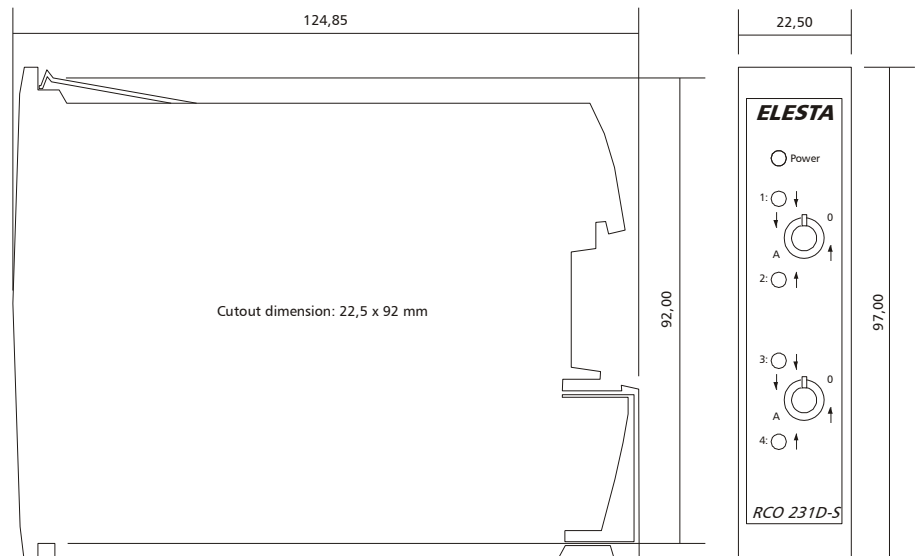


DIP switch 1-5: Address 0-31 adjustable
 DIP switch 6-7: Without function
 DIP switch 8-9: Baud rate



DIP switch 10: Termination resistance have to be activated (ON) for the first and the last device

Dimension drawing



Delivery scope

RCO 231D-S