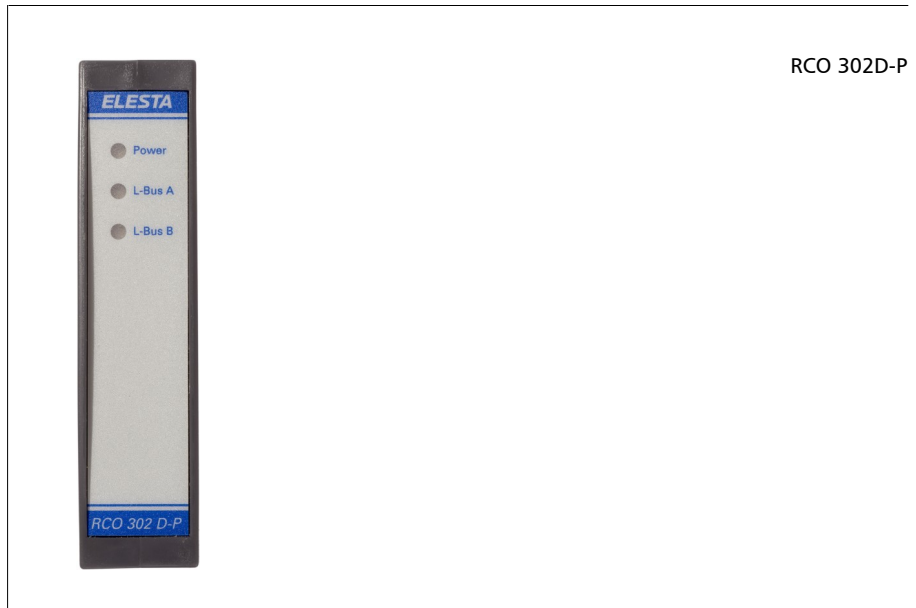


Data sheet



I/O modules



RCO 302D-P

Application

Controlesta RCO 302D-P is a Power Bridge Module. The module ensures the power supply of up to 32 I/O modules. The L-bus supply is galvanically separated.

Features

- Galvanically separated 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



AB 57

Environmental conditions

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

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	130 g

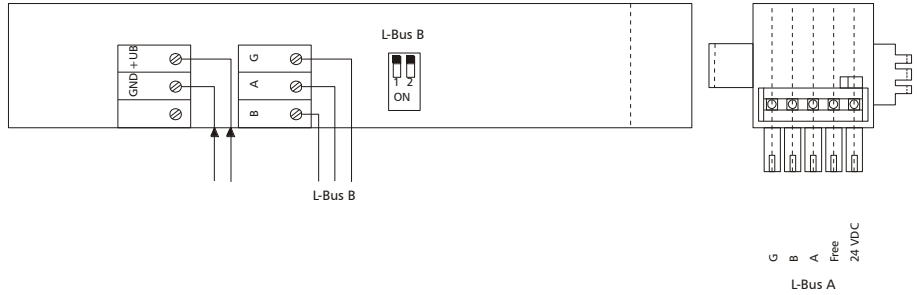
Electrical data

Power supply	24 VAC/DC +/- 10 %, Class II
Power consumption	1,7 W
Wire capacity	14 ... 24 AWG (0,25 ... 2,5 mm ²)
Main tightening torque	0,55 ... 0,8 Nm
Protection acc. to EN 60529	IP 20

Functional data

Communication Interface	1 L-Bus Interface (L-Bus A) 5-pins T-Bus-Connector 1 L-Bus Interface (L-Bus B) 3-pins connector L-Bus A and L-Bus B: galvanica isolation
Output:	Supply voltage for max. 32 I/O-Modules L-bus for max. 32 I/O-Modules
	Power LED green L-bus active red L-bus not active
	The LED L-Bus A shows communication to the T-Bus-Connector (I/O modules) The LED L-Bus B shows communication to the 3-pins connectors (Master controller)

Connection allocation



DIP switch setting



DIP switch 1-7: Without function

DIP switch 8-9: Baud rate



20 Kbit



100 Kbit



500 Kbit



1 Mbit

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



Termination resistance have to be activated (ON) for the first and the last device



Termination resistance for L-Bus B not active



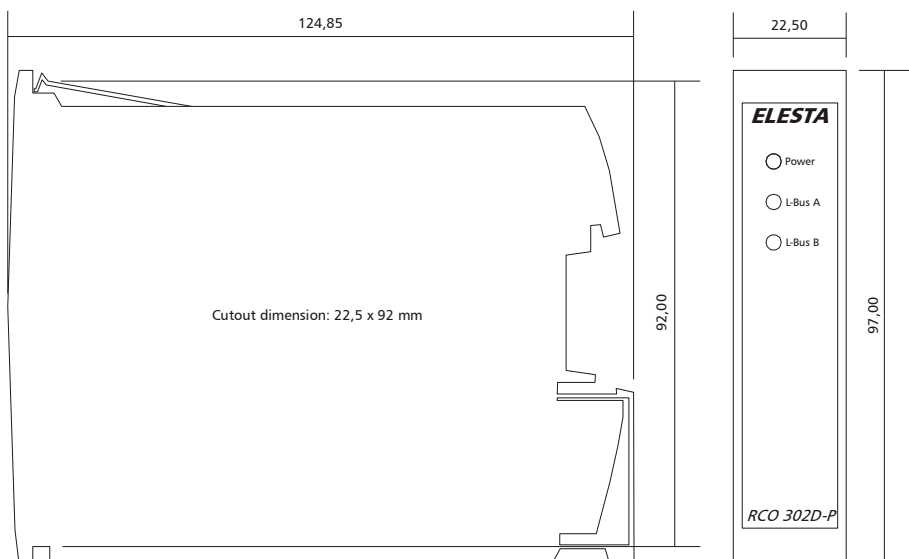
Termination resistance for L-Bus B active



Termination resistance for L-Bus B active

Termination resistance for L-Bus B active

Dimension drawing



Delivery scope

RCO 302D-P