

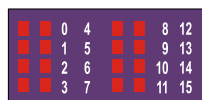
buslink @C011

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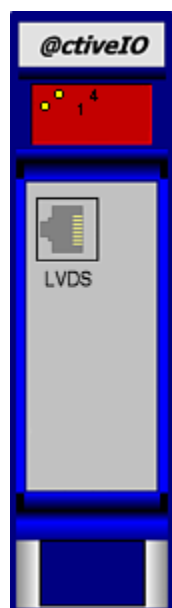
- LVDS @ctiveIO buslink
- @ctiveIO system bus extension up to 11.25m

Pinout



LED	
1	SYNC (no valid buslink)
4	LOCK (data transmission ok)

*) see notes



LVDS	
Pin	Signal
1	RxD +
2	RxD -
3	reserved
4	reserved
5	reserved
6	reserved
7	TxD +
8	TxD -

Attributes

Applications:

Extension of systembus around 11.25 meter per LVDS buslink.
You need @C011 and @C010 together for one buslink.

Link Interface:

Highspeed LVDS bidirectional link with 1,25 GBaud.

Link Cable:

Specification: CAT5e
Shielding: S/FTP
Wire: Cu 0.51 mm (AWG24)
Type (LVDS): crossover
Length: max. 11.25m
Connectors: RJ45 Hirose TM21P
Recommended cable: TopNET 5000 CAT5e

Electrical Data

Operating Current at @ctiveIOBus 190mA at 3,3V DC
Link interface..... LVDS bidirectional

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System Information

System ID 0x0007
 System address space 8 bit

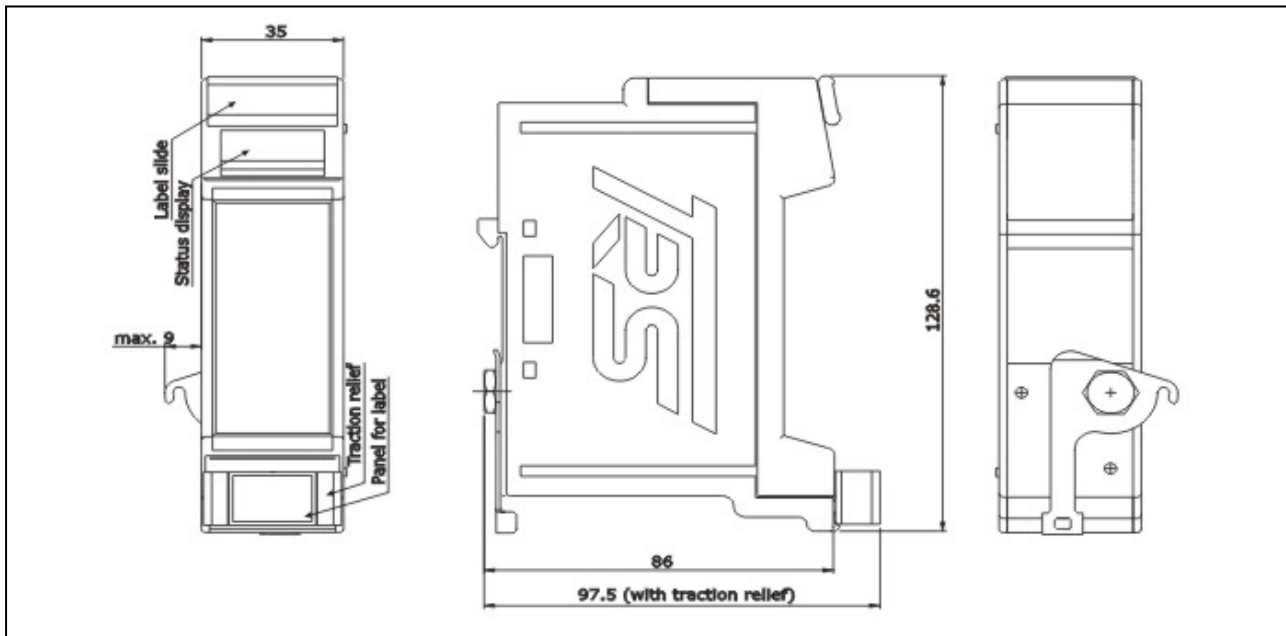
Environmental Conditions

Electromagnetic compatibility (EMC) EN 61000-4-2 (IEC-801-2) / EN 61000-4-4 (IEC-801-4)
 Operating temperature [°C] 0 .. +50
 Storage temperature [°C] -20 .. +70
 Humidity (rel) 98 % (non condensing)
 Protection class* IP 20 (DIN 40 050)
 *The protection class is valid only with housing and connector installed

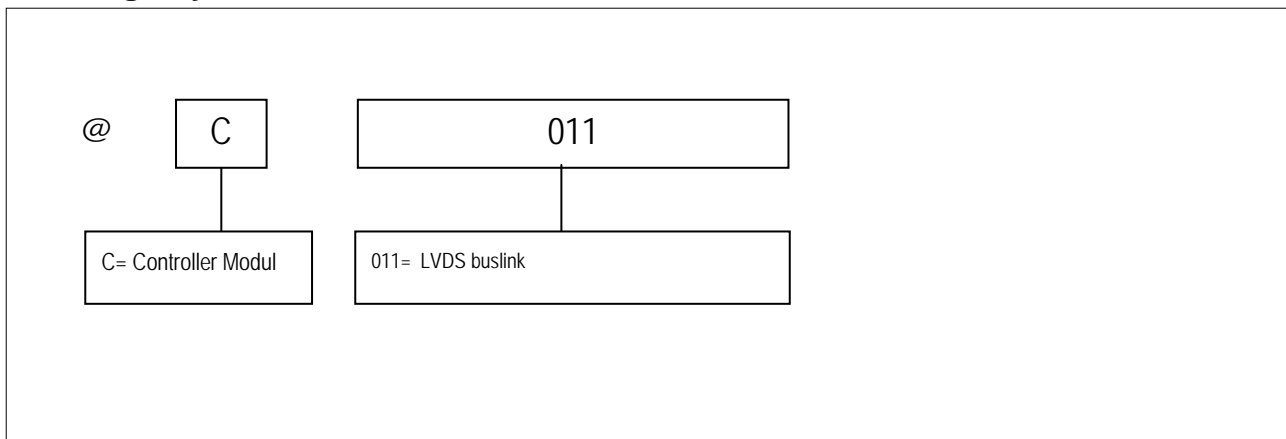
Mechanical Data PCB

Weight approx. 0.28kg including connector
 Dimension 102.5 x 73mm

Drawing (effective if mounted in @M housing)



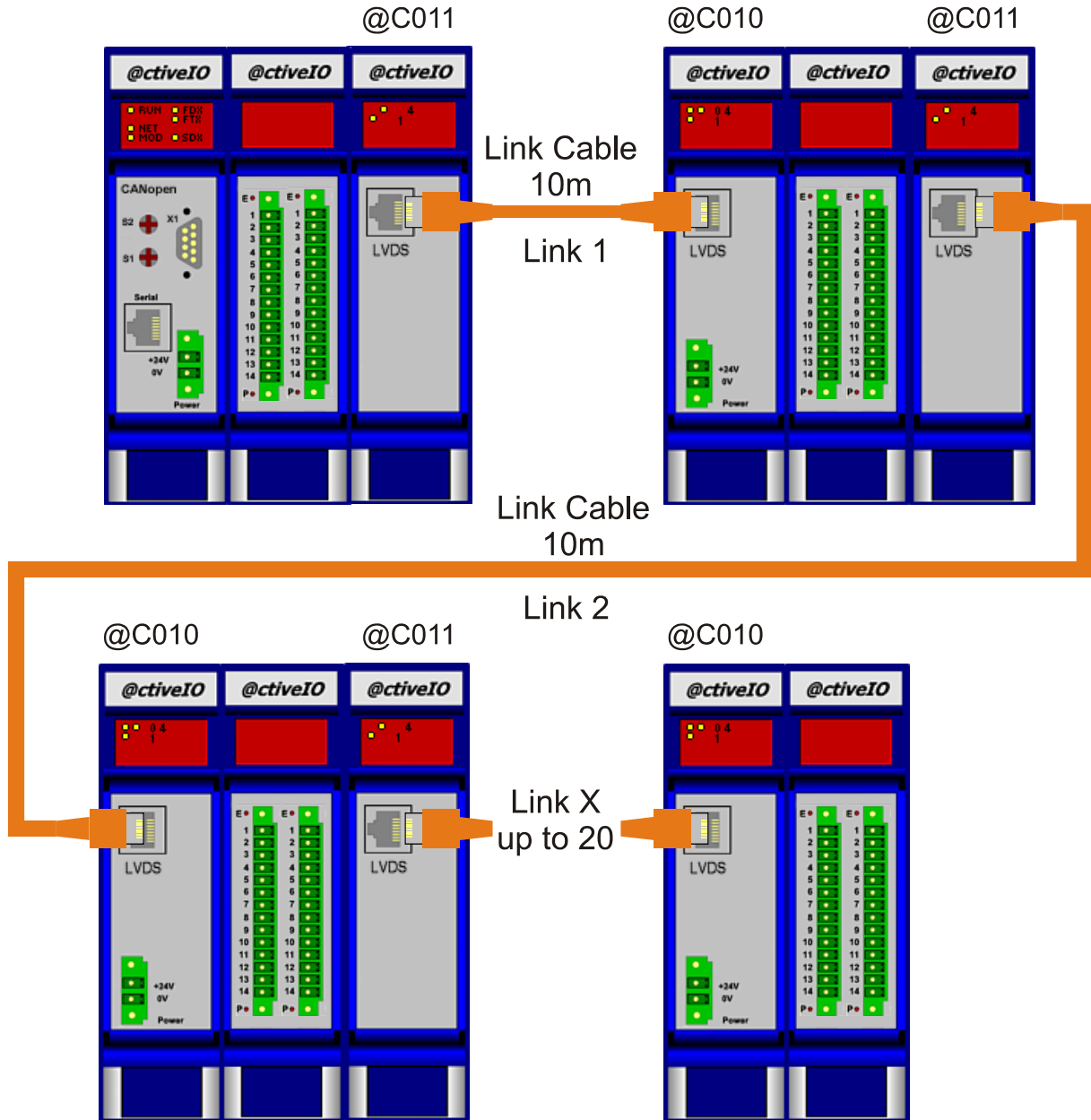
Ordering Key



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Example of Application

Connection and application of the sytembus extension



i Installation notes for the connection cable

- To ensure a failure-free functioning of the connection cable, note the following points:
- do not bend the cable (bending radius > 50mm) and do not put the cable under mechanical stress
 - do not install the cable near strong electrical (230/400V power line) and magnetical fields
 - all connection plugs must stuck firmly and be secured by a pull relief

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notes:

Description of the LEDs

LED	Status	Description	
1	SYNC	ON	LVDS transmission chip start synchronisation, no valid data transmission possible
4	LOCK	ON	LVDS link connection work properly

Caution

In SYNC state the @C010 module generates a RESET on all modules behind them. So if lost LOCK, all outputs will be switched off.

History

Version	Description	Date (m/y)
01	Added: Electrical data operating current	11/03
02	Added: Installation notes for connection cable	12/06