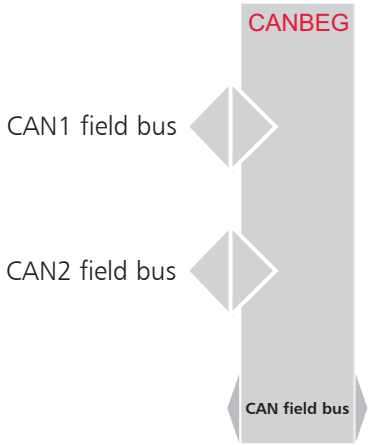
meusburger

CAN-Bus Extension Interface G

flexotemp®

CAN BEG



Features

- CAN Repeater with software filter
- CANopen norm slave based on DS401
- Applicable directly with flexotemp® PCU PNIO
- Model ME-Bus (connectable)
- Pin assignment CANopen
- Compact design
- Status LED's

Function

- Realization of controller overall functions, such as Automatic ramp at PCU controllers with PROFINET IO interface without its own external CAN interface

Benefits

- Simple extension by external CAN interface
- Little for installation

Ordering designations

	Order number
flexotemp® CAN BEG (no terminating resistor CAN)	RR 2100/CANBEG

Meusburger Deutschland GmbH | Voltastraße 2 | 68519 Viernheim | Germany
Phone +49 6204 6069 0 | www.meusburger.com | office-de@meusburger.com

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Technical Data

Protection equipment	Reversed polarity of power supply: diode, over voltage of power supply: varistor	
Data interfaces	Galvanic separation of CAN partial networks	
CAN1, CAN2	Field bus expansion to bus coupler modules	
	Address range	CANopen norm slave based on DS401, Address range 1...127, automatic
	Transfer rate	250 KByte
	Max. tolerable bus length (m)	250
Art.No. 025 043-2	Without device internal terminating resistor	
	Protocol	CANopen
Power supply		
Rated voltage / max. power consumption	Electronics: 18...30 VDC / 3W (internal by system bus)	
Fuse protection	Electronics: external by PCU	
Ambient temperature limit	Operation: 0...55 °C, transport, storage: -20...60 °C, operation limit: 0...60 °C	
Atmospheric humidity limit	Operation: 0..90 % relative atmospheric humidity, no condensation Transport, storage: 0...95 % relative atmospheric humidity, no condensation	
Mounting	Installation on DIN rail (DIN 50022); horizontal installation position; see installation	
Dimensions (H x W x D in mm)	99 x 45 x 114.5	
Housing	Phoenix ME 45 Bus 10/2	
Weight	0.3 kg	
Electrical security	Class 3, safety extra-low voltage; complies with EN61010	
Protection type	Housing and terminals: IP 20, D-SUB without PVC cover: IP 00	
Standards	Complies with EN61326-1	
CE marking	The device complies with the European Directives for electromagnetic compatibility (complies with EN 61326-1)	
General		
LED displays	Refer to status display of LED's	
Software update	By CAN interface	
Prerequisites	Firmware controller PCUPNIO from 2414A; Project Setup and Configuration Tool flexotempMANAGER from 1.2.28	

Connection overview

X1	CAN1 field bus (interface CANopen)
X2	CAN2 field bus (interface CANopen)

Pin assignment

X1, X2 CAN1 -, CAN2 field bus (interface CANopen)

D-SUB, plug

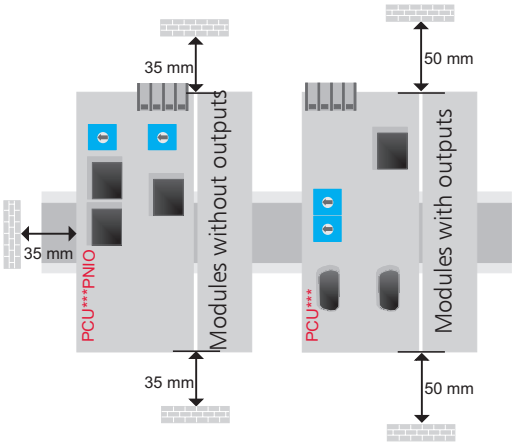
Pin	X1	X2
1	n.c.	n.c.
2	CAN-L	CAN-L
3	n.c.	n.c.
4	n.c.	n.c.
5	n.c.	n.c.
6	n.c.	n.c.
7	CAN-H	CAN-H
8	n.c.	n.c.
9	n.c.	n.c.

Status display of LED's

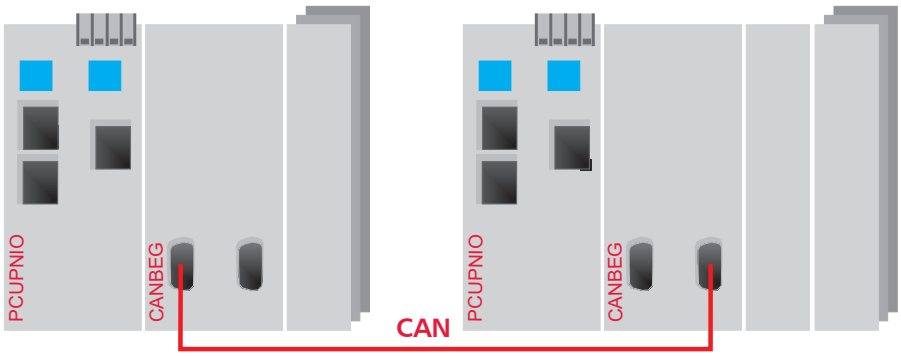
LED-OK (green)	
flashing (1 Hz)	Boot mode
flashing (2 Hz)	Pre operational mode
Continuous light	Operational mode

LED CAN1/2 (yellow)	Signalizes interface operation with the modules of CANBEG

Installation



Application example



Connect CANBEG modules with a separate CAN Bus.
Regardless which DSUB connector is used on module.