

1. Product Description

1.1 Order designation

Description	Material number
EtherCAT Bus Coupler	00C6CA1-0100
Plug for 24V supply	contained
Grounding assembly 2x8 mm (accessories)	00C6CD1-0400
Grounding assembly 14 mm (accessories)	00C6CD1-0500

1.2 Application

- Connection of 100Base-TX EtherCAT with KEB I/O modules
- Generation of system voltages for LVDS (Low Voltage Differential Signalling) modules

1.3 Description of the modules

Picture 1.3 Frontal view of the bus coupler

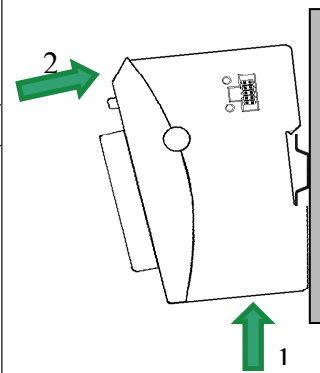

1.	Status-LEDs			
	LED EtherCAT-Bus	Flash code	Description	
		red - continuous light	Initialisation (Init), no data exchange	
		red/green 1:1	Ready for operation (Pre-Op), no data exchange	
		red/green 3:1	Safe operation (Safe-Op), inputs are readable	
	LED Out and IN	Flash code	Description	
		off	no Ethernet connection available	
		green - continuous light	Ethernet connection available	
		green - flashing	Data exchange	
	2.	RJ45 100Base-Tx		
3.	Voltage supply			
4.	Earth-/shield connection for bolt M3x5			
5.	E-Bus / module locking			
		Connect the DIN mounting rail or the earthing connection with functional earth.		

## 1.4 Technical data

Fieldbus	EtherCAT 100 Mbit/s
WxHxD	25x120x90 mm
Assembling	35 mm DIN mounting rail
Controller	ASIC ET1100
Cable	CAT5
Cable length	max. 100m between two bus couplers
Connection Ethernet	2 x RJ45
Supply	24 VDC -20% +25%
Input current	50 mA + E-bus supply
Supply E-bus	max. 3A (approx. 20 modules)
Connection E-bus	10-pole system connector in side panel
End module	not necessary
Supply	24 VDC -20% +25%
Potential separation	Modules each other and against the bus
Storage temperature	-25 °C...+70 °C
Operation temperature	0 °C...+55 °C
Relative humidity	5%...95% without condensation
Degree of protection	IP20
Noise immunity	Zone B

## 1.5 Assembling

Picture 1.5 Mounting of the bus coupler

1.	Put the module in accordance with the picture from downside against the mounting rail that the metal spring is impressed between mounting rail and mounting surface.	
2.	Press the module against the mounting panel above until it is snapped-in.	
		



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