

VARAN Bus Coupler Module

VBC 121-K



VARAN: 1x VARAN In
3x VARAN Out
Davon wahlweise
1x ETHERNET Port (VtE)

EtherCAT: 1x EtherCAT In
1x EtherCAT Out

This bus coupler module is used to connect a VARAN and EtherCAT bus system.

Performance Data

Interfaces	<p>VARAN: 1x VARAN In (RJ45) (maximum cable length: 100 m) 3x VARAN Out (RJ45) (maximum cable length: 100 m) (of which 1x ETHERNET Port VtE (RJ45) 10/100 Mbit is optional)</p> <p>EtherCAT: 1x EtherCAT In (RJ45) 1x EtherCAT Out (RJ45) (maximum cable length: 100 m)</p>
Internal data memory (SPI-Flash)	64-Mbits

Electrical Requirements

Supply voltage	18 V-30 V DC	
Current consumption	typically 150 mA	maximum 200 mA

Article Number and Miscellaneous

Article number	16-054-121-K	
Hardware version	1.x	
Standard	CE, UL in preparation	

EtherCAT

Real-time data exchange			in 8-byte stages write 0-512 bytes read 0-512 bytes (+1-byte status) defined by process data profile
Asynchronous data exchange	Protocol	Supported functions	Description
	CoE:	Complete Access Support SDO Info Support PDO Assign	Status information and data exchange with VARAN side
	VoE:	supported	Data exchange with VARAN side (not supported by TwinCAT)
	FoE:	supported	Update function
EtherCAT Slave EEprom		ESC-EEPROM with 2048 bytes available	
Supported EtherCAT addressing		Explicit Device Identification Second Slave Address (SSA) Configured Station Alias	

Environmental Conditions

Storage temperature	-20 ... +85 °C	
Operating temperature	0 ... +60 °C	
Humidity	0-95 %, non-condensing	
EMC resistance	in accordance with EN 61000-6-2 (industrial area)	
EMC - noise generation	in accordance with EN 61000-6-4 (industrial area)	
Vibration resistance	EN 60068-2-27	150 m/s ²
Shock resistance	EN 60068-2-6	3.5 mm from 5 Hz-8.4 Hz 1 g from 8.4 Hz-150 Hz
Protection type	EN 60068-2-27	15 g
Schutzart	EN 60529	IP20