

C-DIAS Profibus DP Slave Module

CPB 021



The C-DIAS Profibus DP slave module CPB 021 serves as an interface module between the C-DIAS control system and Profibus. This module supports a galvanically isolated Profibus slave.

Performance Data

Number of channels	1	
Field bus	Profibus DP slave (V0)	
Communications interfacenet X50 – C-DIAS	64-Kbyte Dual Port Memory (DPM)	
Data transfer rate RS485	up to 12 Mbits/s	
Electrical interface	RS485 / 9-pin DSUB socket	
Status display	yes	

Electrical Requirements

Voltage supply from C-DIAS bus	+24 V	
Current consumption	typically 80 mA	maximum 100 mA
Voltage supply from C-DIAS bus	+5 V	
Current consumption	typically 40 mA	maximum 60 mA
Output voltage	+5 V (no supply voltage; for bus termination only)	
Load capacity	maximum 20 mA	

Article Number and Miscellaneous

Article number	12-057-021	
Hardware version	1.x	
Standard	UL 508 (E247993)	
Approbations	cUL, UL	

Environmental Conditions

Storage temperature	-20 ... +85 °C	
Operating temperature	0 ... +60 °C	
Humidity	0-95 %, non-condensing	
EMC stability	in accordance with EN 61000-6-2:2001 (industrial area)	
Shock resistance	EN 60068-2-27	150 m/s ²
Protection type	EN 60529	IP20