



DPM200 PROFIBUS® DP Master Module

PROFIBUS® is a field bus that is widely used, particularly in the area of mechanical engineering and plant engineering and even today – in spite of all Ethernet-based fieldbuses – it continues to show increasing quantities. A broad palette of peripheral components and an active user organization will ensure long-term availability of PROFIBUS® components also in the future. Bachmann offers a fieldbus module for the backplane that can be used both as master, as well as slave. The SolutionCenter contains a complete configurator that enables interfaces to the engineering tools of other manufacturers through the consistent application of standards.

The fieldbus module DPM200 for PROFIBUS® DP (Distributed Peripherals) can be operated as DP Master, DP Slave or as combined master/slave, which in a multi-master network offers variables for another master. The process data is available to the application program as logical I/O module and thus can be reached via the process image or via the function interface.

Features

- Up to 3 DPM200 modules per M200 controller
- Transfer rate 9.6 Kbaud to 12 Mbaud
- 8 kB shared memory for process data image
- Consistency lock for data blocks is configurable
- Two internal bridged connections for loop-through of the cable
- Galvanic isolation between fieldbus and controller

Part type designation	Part number
DPM200	00010555-00
DPM200 CC	00018032-00

DPM200

PROFIBUS® DP Master		
Size process image	8 kB x 16 DPM	
Firmware	Update via SolutionCenter is possible	
Max. number of master	3 per M200 controller	
Max. Number of slaves	32 without repeater, 125 with repeater	
PROFIBUS® standard	V0	
Data length in the DPM	732 bytes per slave	
Current consumption	400 mA / 5 V DC	
Interface		
Transfer rate	9.6 k to 12 MBaud	
Connection	2x 9-pin D-Sub sockets	
Pin assignment	According to EN 50170	
Signal level	According to RS485 standard	
Galvanic isolation, Interface to the system	500 V	
Approvals/Certificates		
General	CE, UKCA, cULus	
Marine	ABS, BV, DNV, KR, LR, NK, RINA	
Environmental conditions		
	Standard	ColdClimate (❄)
Operating temperature	-30 °C to +60 °C	
Relative humidity, operation	5 % to 95 % noncondensing	5 % to 95 % with condensation
Storage temperature	-40 °C to +85 °C	
Relative humidity, storage	5 % to 95 % with condensation	5 % to 95 % with condensation
Pollution degree (IEC 60664-1)	2 (noncondensing)	2

Order data

Part type designation	Part number	Description
DPM200	00010555-00	Profibus Master/Slave Module; 12 Mbit/s; Profibus V0; isolated
DPM200 CC	00018032-00	Like DPM200; ColdClimate (❄)