



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 also ensure long-term availability of PROFIBUS® components in the future. Bachmann electronic 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 DMP200 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.

Item	Item-No.
DPM200	00010555-00
DPM200 CC	00018032-00

- Up to 3 DPM200 modules per M1 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

DPM200		
PROFIBUS® DP master		
Large process image	8 kB x 16 DPM	
Firmware	Update via SolutionCenter is possible	
Max. number of masters	3 per M1 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 VDC	
Interface		
Transfer rate	9.6 k to 12 Mbaud	
Connection	2x 9-pin D-Sub female connectors	
Pin assignment	In accordance with EN 50170	
Signal level	In accordance with RS485 standard	
Galvanic isolation, Interfaces to the system	500 V	
Approvals / Certificates		
General	CE, cULus, CCC	
Marine	DNV GL, LR, ABS, BV	
Ambient conditions	Standard	ColdClimate ☼
Operating temperature	-30 to +60 °C	-30 to +60 °C
Rel. humidity operation	5 to 95 % without condensation	5 to 95 % with condensation
Storage temperature	-40 to +85 °C	-40 to +85 °C
Rel. humidity storage	5 to 95 % with condensation	5 to 95 % with condensation
Pollution degree	2 (without condensation; according to IEC 60664-1)	2 (according to IEC 60664-1)

Order Codes		
Item	Item No.	Description
DPM200	00010555-00	Profibus master/slave module; 12Mbit/s; Profibus V0; isolated
DPM200 CC	00018032-00	Like DPM200; ColdClimate (☼)