

Data sheet

CP 240, M-Bus (240-1FA20)

Technical data

Order no.	240-1FA20
Type	CP 240, M-Bus
General information	
Note	-
Features	M-Bus master, potential separated up to 6 slaves
Current consumption/power loss	
Current consumption from backplane bus	300 mA
Power loss	1.5 W
Status information, alarms, diagnostics	
Status display	yes
Interrupts	no
Process alarm	no
Diagnostic interrupt	no
Diagnostic functions	no
Diagnostics information read-out	none
Supply voltage display	yes
Group error display	red LED
Channel error display	none
Functionality Sub-D interfaces	
Type	-
Type of interface	-
Connector	-
Electrically isolated	-
MPI	-
MP ² I (MPI/RS232)	-
Point-to-point interface	-
Point-to-point communication	
PtP communication	-
Interface isolated	yes
RS232 interface	-
RS422 interface	-
RS485 interface	-
Connector	-
Transmission speed, min.	300 bit/s
Transmission speed, max.	9.6 kbit/s
Cable length, max.	-
Point-to-point protocol	
ASCII protocol	-

STX/ETX protocol	-
3964(R) protocol	-
RK512 protocol	-
USS master protocol	-
Modbus master protocol	-
Modbus slave protocol	-
Special protocols	M-Bus master

Datasizes

Input bytes	16
Output bytes	16
Parameter bytes	16
Diagnostic bytes	0

Housing

Material	PPE / PA 6.6
Mounting	Profile rail 35 mm

Mechanical data

Dimensions (WxHxD)	25.4 mm x 76 mm x 78 mm
Weight	80 g

Environmental conditions

Operating temperature	0 °C to 60 °C
Storage temperature	-25 °C to 70 °C

Certifications

UL certification	yes
KC certification	-