

Data sheet

CP 240, RS485 (240-1CA20)

Technical data

Order no.	240-1CA20
Type	CP 240, RS485
General information	
Note	-
Features	RS485 interface
Current consumption/power loss	
Current consumption from backplane bus	150 mA
Power loss	0.75 W
Status information, alarms, diagnostics	
Status display	yes
Interrupts	no
Process alarm	no
Diagnostic interrupt	no
Diagnostic functions	no
Diagnostics information read-out	possible
Supply voltage display	yes
Group error display	red LED
Channel error display	none
Functionality Sub-D interfaces	
Type	-
Type of interface	RS485
Connector	Sub-D, 9-pin, female
Electrically isolated	yes
MPI	-
MP ² (MPI/RS232)	-
Point-to-point interface	yes
5V DC Power supply	max. 90mA, isolated
24V DC Power supply	-
Point-to-point communication	
PtP communication	yes
Interface isolated	yes
RS232 interface	-
RS422 interface	-
RS485 interface	yes
Connector	Sub-D, 9-pin, female
Transmission speed, min.	150 bit/s
Transmission speed, max.	115.2 kbit/s
Cable length, max.	1200 m
Point-to-point protocol	

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

Datasizes

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

Housing

Material	PPE
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	-