

**Data sheet**  
 CP 240, RS485 (240-1CA20)

## Technical data

<b>Order no.</b>	<b>240-1CA20</b>
Type	CP 240, RS485
<b>General information</b>	
Note	-
Features	RS485 interface
<b>Current consumption/power loss</b>	
Current consumption from backplane bus	150 mA
Power loss	0.75 W
<b>Status information, alarms, diagnostics</b>	
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
<b>Functionality Sub-D interfaces</b>	
Type	-
Type of interface	RS485
Connector	Sub-D, 9-pin, female
Electrically isolated	yes
MPI	-
MP <sup>2</sup> I (MPI/RS232)	-
Point-to-point interface	yes
5V DC Power supply	max. 90mA, isolated
24V DC Power supply	-
<b>Point-to-point communication</b>	
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
<b>Point-to-point protocol</b>	

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	-
<b>Datasizes</b>	
Input bytes	16
Output bytes	16
Parameter bytes	16
Diagnostic bytes	0
<b>Housing</b>	
Material	PPE
Mounting	Profile rail 35 mm
<b>Mechanical data</b>	
Dimensions (WxHxD)	25.4 mm x 76 mm x 78 mm
Net weight	80 g
Weight including accessories	-
Gross weight	-
<b>Environmental conditions</b>	
Operating temperature	0 °C to 60 °C
Storage temperature	-25 °C to 70 °C
<b>Certifications</b>	
UL certification	yes
KC certification	-