

Data sheet

CP 040 - Communication processor (040-1CA00)

Technical data

Order no.	040-1CA00
Type	CP 040 - Communication processor
Module ID	0E41 1700
General information	
Note	-
Features	RS422/485 interface Protocols ASCII, STX/ETX, 3964(R) and Modbus RTU (master, slave)
Current consumption/power loss	
Current consumption from backplane bus	125 mA
Current consumption from load voltage L+ (without load)	10 mA
Power loss	1 W
Status information, alarms, diagnostics	
Status display	yes
Interrupts	yes, parameterizable
Process alarm	no
Diagnostic interrupt	yes, parameterizable
Diagnostic functions	yes, parameterizable
Diagnostics information read-out	possible
Supply voltage display	green LED
Group error display	red LED
Channel error display	red LED
Point-to-point communication	
PtP communication	yes
Interface isolated	yes
RS232 interface	-
RS422 interface	yes
RS485 interface	yes
Connector	Terminal module
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	-
USS master protocol	-
Modbus master protocol	yes
Modbus slave protocol	yes
Special protocols	-
Datasizes	
Input bytes	8 / 20 / 60

Output bytes	8 / 20 / 60
Parameter bytes	23
Diagnostic bytes	20

Housing

Material	PPE / PPE GF10
Mounting	Profile rail 35 mm

Mechanical data

Dimensions (WxHxD)	12.9 mm x 109 mm x 76.5 mm
Net weight	59 g
Weight including accessories	59 g
Gross weight	74 g

Environmental conditions

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

Certifications

UL certification	yes
KC certification	yes
UKCA certification	yes
ChinaRoHS certification	yes