DATA SHEET - ORIGINAL INSTRUCTIONS

CM574-RS

Communication module



1 Ordering data

Part no.	Description	Product life cycle phase *)
1SAP 170 400 R0201	CM574-RS, communication module, 2 serial RS232/485, free configurable serial interface module	Active

*) Modules in lifecycle Classic are available from stock but not recommended for planning and commissioning of new installations.

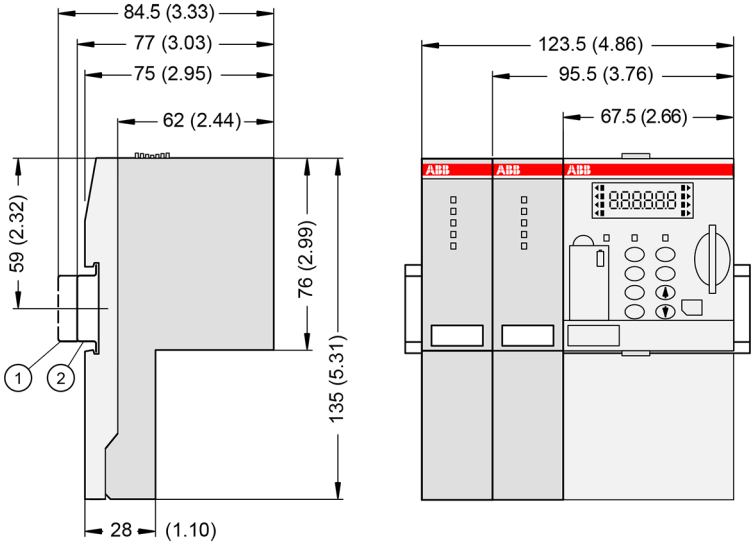
Table 1: Spare parts for communication modules with 2 serial interfaces

Part no.	Description
1SAP 182 000 R0001	TA532: 9-pin terminal block set for communication modules CM574-RS and CM574-RCOM, 10 pieces, spring type terminal

The communication modules with 2 serial interfaces are delivered with two 9-pin terminal blocks TA532 (1SAP 182 000 R0001).

The terminal block listed in the ordering data is for spare part only if needed.

2 Dimensions



1 Din rail 15 mm
2 Din rail 7.5 mm

The dimensions are in mm and in brackets in inch.

3 Technical data

The AC500 and S500 system data is applicable to the standard version.

Chapter 4 “System data AC500” on page 3

The AC500-XC system data is applicable to the XC version.

Only deviating specifications are therefore described here.

The technical data is also applicable to the XC version.

Parameter	Value
Protocol	Programmable with Automation Builder e.g. Modbus / ASCII via serial interfaces
Interface	Serial interface
Serial interface standard	EIA RS-232 or EIA RS-485
Potential separation	Yes, from the CPU, 500 V DC
Serial interface parameters	Configurable via software
Modes of operation	Programming or data exchange
Transmission rate	9.6 kbit/s to 187.5 kbit/s
Protocol	Programmable
Interface connector	MC 0.5/9-G-2.5, 9-pin, male
Processor	PowerPC
Usable CPUs	PM57x, PM58x, PM59x

Parameter	Value
Usable terminal bases	All TB5xx
Ambient temperature	see: System data AC500 ↳ *Chapter 4 "System data AC500" on page 3* System Data AC500 XC
Communication module bus	Dual-port memory, 8 kB
Internal power supply	Through the communication module bus of the terminal base
Current consumption from 24 V DC power supply at the terminal base of the CPU	Typ. 80 mA
Internal RAM memory	256 kB
External RAM memory	-
External Flash memory	512 kB (firmware) + 2 x 64 kB (user data)
Status display	PWR, RDY, RUN, STA, ERR
Weight	Ca. 150 g

4 System data AC500

4.1 Environmental conditions

Table 2: Process and supply voltages

Parameter		Value
24 V DC		
	Voltage	24 V (-15 %, +20 %)
	Protection against reverse polarity	Yes
100 V AC...240 V AC wide-range supply		
	Voltage	100 V ... 240 V (-15 %, +10 %)
	Frequency	50/60 Hz (-6 %, +4 %)
Allowed interruptions of power supply, according to EN 61131-2		
	DC supply	Interruption < 10 ms, time between 2 interruptions > 1 s, PS2
	AC supply	Interruption < 0.5 periods, time between 2 interruptions > 1 s

NOTICE!

Risk of damaging the PLC due to improper voltage levels!

– Never exceed the maximum tolerance values for process and supply voltages.
– Never fall below the minimum tolerance values for process and supply voltages.
Observe the **system data** ↳ *Chapter 4 "System data AC500" on page 3* and the **technical data** of the module used.