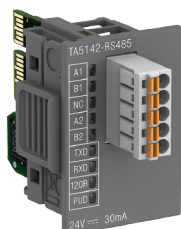


DATA SHEET

TA5142-RS485(I)

Option board



1 Ordering data

Part no.	Description	Product life cycle phase *)
1SAP 187 300 R0002	TA5142-RS485I: AC500-eCo V3, RS-485 isolated option board for COMx serial communication, spring/cable front terminal, 3.50 mm pitch	Active
1SAP 187 300 R0003	TA5142-RS485: AC500-eCo V3, RS-485 non isolated option board for COMx serial communication, spring/cable front terminal, 3.50 mm pitch	Active
1SAP 187 300 R0202	TA5142-RS485IW: AC500-eCo V3, RS-485 isolated option board for COMx serial communication, spring/cable front terminal, 3.50 mm pitch, wide range temperature	In preparation
1SAP 187 300 R0203	TA5142-RS485W: AC500-eCo V3, RS-485 non isolated option board for COMx serial communication, spring/cable front terminal, 3.50 mm pitch, wide temperature range	In preparation
Spare parts		
1SAP 187 400 R0012 **)	TA5220-SPF5: spring terminal block, removable, 5-pin, spring front, cable front, 3.5 mm pitch, 6 pieces per packing unit	Active

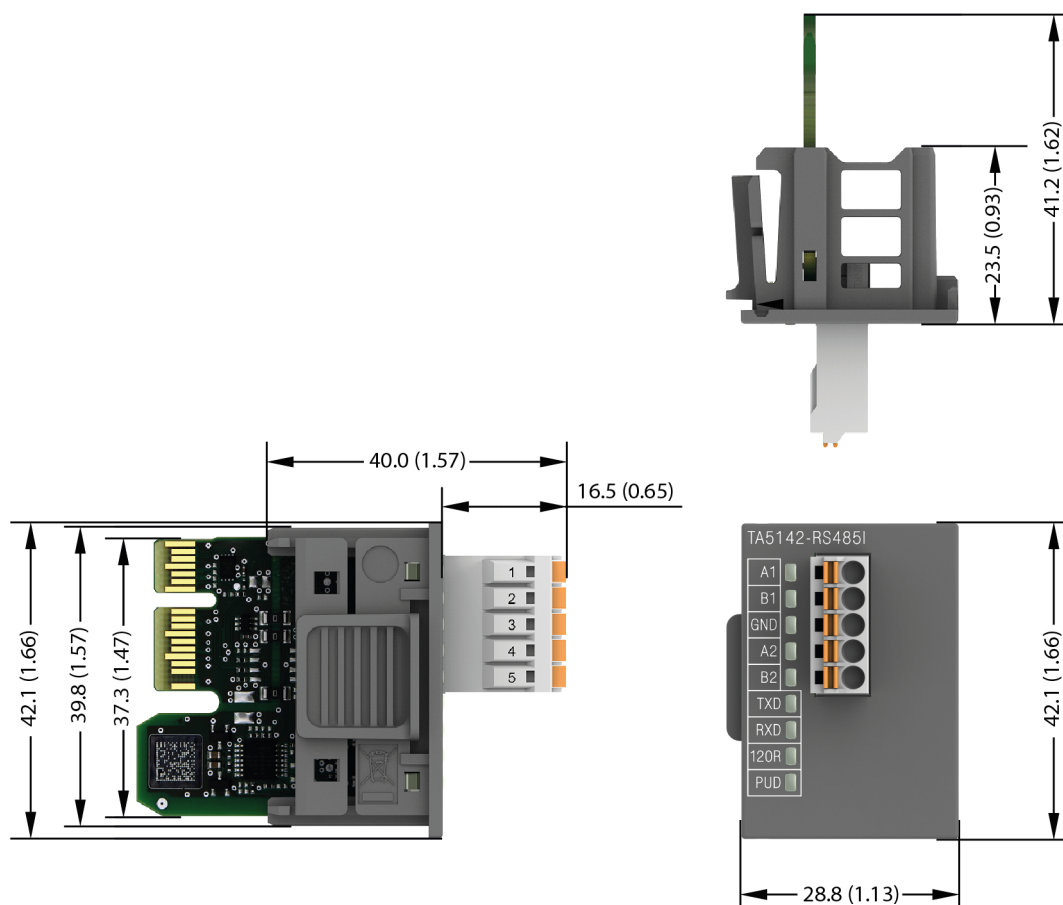


*) Modules in lifecycle Classic are available from stock but not recommended for planning and commissioning of new installations.



****)** The needed spring terminal block is always delivered with the option board.
The terminal block listed in the table is for spare part only if needed.

2 Dimensions



The dimensions are in mm and in brackets in inch.

3 Technical data

The system data of AC500-eCo V3 apply

Only additional details are therefore documented below.

Table 1: TA5142-RS485

Parameter	Value
Protocol	Programmable with Automation Builder e.g. Modbus RTU / CAA_SerialCom via serial interfaces
Interface	Serial interface
Serial interface standard	EIA RS-485
Potential separation	No
Serial interface parameters	Configurable via software
Modes of operation	Programming or data exchange
Transmission rate	9.6 kbit/s to 115.2 kbit/s
Protocol	Programmable
Interface connector	5-pin terminal block, male
Usable CPUs	PM50xx
Internal power supply	Via internal CPU connection
Additional current consumption from 24 V DC power supply at CPU	Max. 25 mA
Weight	Ca. 15 g

Table 2: TA5142-RS485I

Parameter	Value
Protocol	Programmable with Automation Builder e.g. Modbus RTU / CAA_SerialCom via serial interfaces
Interface	Serial interface
Serial interface standard	EIA RS-485
Potential separation	Yes, from the CPU, 500 V DC
Serial interface parameters	Configurable via software
Modes of operation	Data exchange
Transmission rate	9.6 kbit/s to 115.2 kbit/s
Protocol	Programmable
Interface connector	5-pin terminal block, male
Usable CPUs	PM50xx
Internal power supply	Via internal CPU connection
Additional current consumption from 24 V DC power supply at CPU	Max. 25 mA
Weight	Ca. 16 g