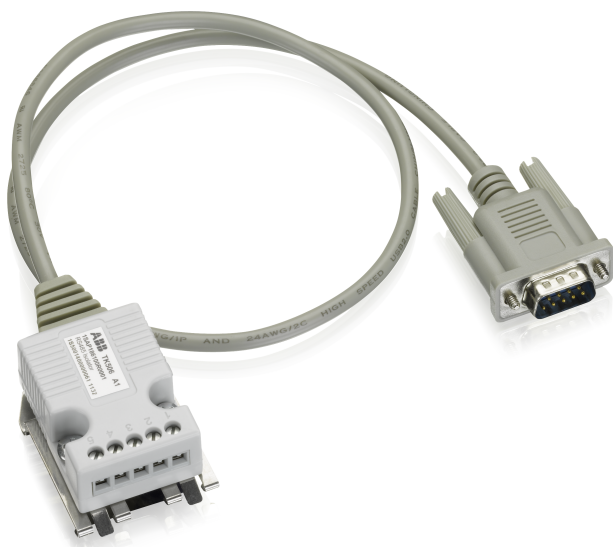


DATA SHEET

TK506

Accessories

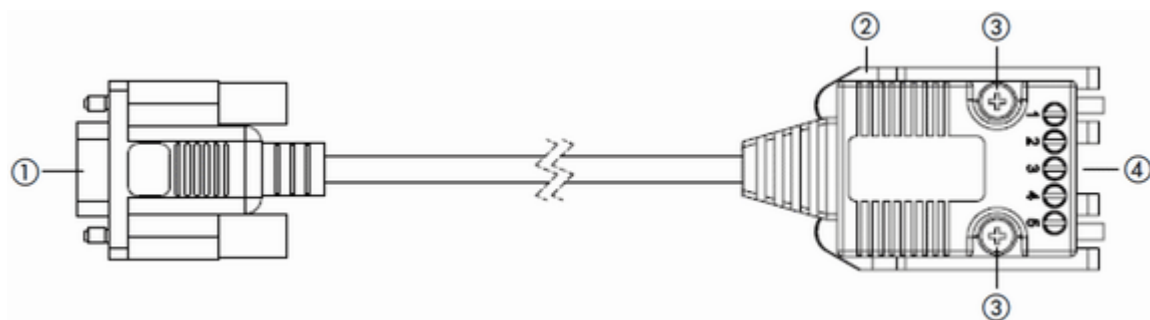


1 Ordering data

Part no.	Description	Product life cycle phase	Possible migration device
1SAP 186 100 R0001	TK506, RS-485 isolator for COM1, D-sub 5 terminal	Limited	n. n.

2 Composition

- Isolated side: 5-pin terminal
- AC500-eCo-side: D-sub 9, male
- Length 0.6 m



- 1 D-sub 9 terminal, male, RS-485
- 2 DIN rail mounting spring
- 3 Holes for mounting with 2x M4 screws
- 4 5-pin terminal, screw-type, RS-485

3 Technical data

Parameter	Value
Physical link	RS-485
Galvanic isolation	Yes
Usage / Supported protocols	Modbus (Master and Slave) CS31 (Master only)
Supported transmission rates [baud]	
Modbus	9.6 k, 14.4 k, 19.2 k, 38.4 k and 187.5 k
CS31 bus	187.5 k
Connector at the communication line	5-pin screw terminal block
Connector at PM554 or PM564	D-sub 9, male
Cable type and specification	Twist rate minimum 10 per meter, with common shield Capacitance between the cores: < 55 nF/km Characteristic impedance: 120 Ω
Recommended cable cross section	Conductor cross section 0.5 mm ² Resistance per core: < 40 Ω /km
Thinnest cable cross section	Conductor cross section 0.22 mm ² Resistance per core: < 100 Ω /km
Max. cable length for Modbus	
at 19.2 kBaud	500 m with cable cross section 0.5 mm ² or 400 m with cable cross section 0.22 mm ²
Max. cable length for CS31 bus	500 m with cable cross section 0.5 mm ² or 400 m with cable cross section 0.22 mm ²
Specification for external terminating resistor	120 Ω , 1 %, ≥ 0.25 W or 180 Ω , 1 %, ≥ 0.25 W
Length	0.6 m
Weight	80 g

Parameter	Value
Isolation voltage	500 V DC (type test)
Surge voltage (common mode)	1000 V (type test)