

8ECG00X4.3151D-0

1 General information

- An ACOPOS P3 adapter cable enables the connection of a cable assembly with 15-pin DSUB connector to ACOPOS P3 plug-in card 8EAC0151.00x-1 / 8EAC0152.00x-1.

Information:

The adapter cable cannot be used in combination with front cover 8EXAx00.00xx-00.

2 Order data

Order number	Short description	Figure
	Adapter cables	
8ECG00X4.3151D-0	ACOPOS P3 adapter cable, length 0.4 m, for analog multi-encoder interfaces and incremental encoder interfaces, 5x 2x 0.14 mm ² , 10-pin male IX connector to 15-pin female DSUB	

Table 1: 8ECG00X4.3151D-0 - Order data

3 Technical data

Order number	8ECG00X4.3151D-0
General information	
Cable cross section	5 x 2 x 0.14 mm ²
Certifications	
CE	Yes
Cable construction	
Cable shield	Braided wire shield made of tinned copper wires, optical coverage ≥85%
Outer jacket	
Material	PVC
Color	Gray (RAL 7032)
Connector	
Type	15-pin female DSUB connector
Mating cycles	<500
Additional connectors	10-pin male IX connector Connection cycles: <1500 Degree of protection per EN 60529: IP30 when connected
Degree of protection per EN 60529	IP20 when connected
Electrical properties ¹⁾	
Conductor resistance	
Signal line	≤122 Ω/km
Insulation resistance	>200 MΩ*km
Ambient conditions ²⁾	
Temperature	
Moving	-5 °C to +80 °C
Static	-30 °C to +80 °C
Mechanical properties ²⁾	
Dimensions	
Length	0.4 m (+ 1%)
Diameter	6 mm ± 0.8 mm

Table 2: 8ECG00X4.3151D-0 - Technical data

Order number	8ECG00X4.3151D-0
Bend radius	
Single bend	≥34 mm
Moving	≥68 mm
Weight	63 g

Table 2: 8ECG00X4.3151D-0 - Technical data

- 1) Values refer to the raw cable.
2) Values refer to the assembly.

4 Wiring

4.1 Adapter cable - Pinout

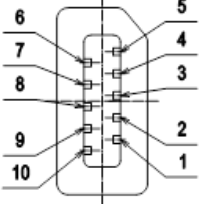
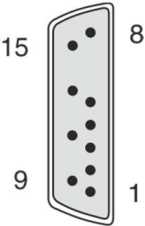
IX connector - B-coded	Pin	Description	Function	Pin	Female DSUB connector
	1	B\	Channel B inverted	11	
	2	B	Channel B	3	
	3	GND	Encoder power supply 0 V	2	
	4	A\	Channel A inverted	9	
	5	A	Channel A	1	
	6	R / DATA+	Channel R / Data +	5	
	7	R\ / DATA-	Channel R inverted / Data -	13	
	8	U+	Encoder supply 5 V / 12 V	4	
	9	T- / CLK-	Temperature sensor - / Clock -	15	
	10	T+ / CLK+	Temperature sensor + / Clock +	8	

Table 3: Adapter cable 8ECGxxxx.3151D-0 - Pinout

4.2 Adapter cable - Cable diagram

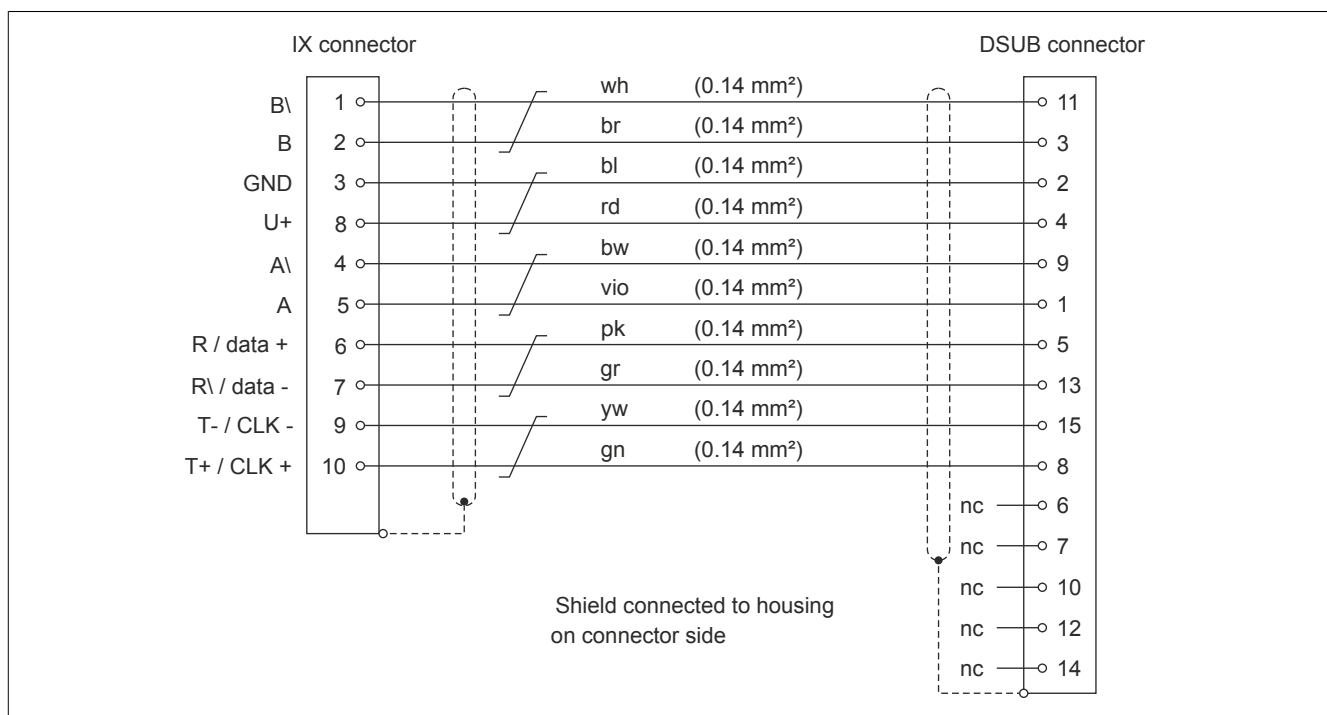


Figure 1: Adapter cable 8ECGxxxx.3151D-0 - Cable diagram