

8ECG00X4.1341C-0

1 General information

- An ACOPOS P3 adapter cable enables the connection of a cable assembly with 9-pin DSUB connector to ACOPOS P3 plug-in card 8EAC0122.00x-1.

2 Order data

Model number	Short description	Figure
8ECG00X4.1341C-0	Adapter cable ACOPOS P3 adapter cable for 8EAC0122.00x-1, length 0.4 m, 3x 2x 24 AWG (19x 0.127), 9-pin female DSUB connector, 8-pin male Mini I/O connector, can be used in cable drag chains	

Table 1: 8ECG00X4.1341C-0 - Order data

3 Technical data

Model number	8ECG00X4.1341C-0
General information	
Cable cross section	3x 2x 24 19 AWG
Durability	Oil resistance per VDE 0472 Part 803 as well as standard hydraulic oils ¹⁾
Certification	UL AWM style 20671, 90°C, 30 V, E63216 and CSA AWM, 90°C, 30 V, I/II A/B FT1 LL46064 ¹⁾
Certifications	
CE	In preparation
Cable construction	
Signal lines	
Quantity	6
Wire insulation	Special thermoplastic material
Wire colors	White/Brown, green/yellow, gray/pink
Design	Tinned copper stranded wire
Cross section	AWG 24 / AWG 19
Shield	No
Stranding	White with brown, green with yellow, gray with pink
Cable stranding	The 3 pairs together covered by foil shield
Complete shielding	Copper braiding, optical coverage >90% with foil shield
Outer jacket	
Material	PUR
Color	Green, similar to RAL 6018 flat
Labeling	BERNECKER + RAINER 3x2x24 AWG FLEX UL AWM STYLE 20671 90°C 30 V E63216 CSA AWM 90°C 30 V I/II A/B FT1 LL46064 ¹⁾
Connector	
Type	9-pin female DSUB connector
Connection cycles	<500
Contacts	9
Additional connectors	8-pin male Mini I/O connector Connection cycles: <1500 Contacts: 8 Degree of protection per EN 60529: IP30 when connected
Degree of protection per EN 60529	IP20 when connected
Electrical characteristics ¹⁾	
Operating voltage	≤30 V _{eff}

Table 2: 8ECG00X4.1341C-0 - Technical data

Model number	8ECG00X4.1341C-0
Test voltage	
Wire/Wire	1.5 kV
Wire/Shield	0.8 kV
Conductor resistance	
Signal lines	≤86 Ω/km
Insulation resistance	>200 MΩ*km
Environmental conditions	
Temperature	
Moving	-10°C to +80°C
Static	-40°C to +80°C
Mechanical characteristics ¹⁾	
Dimensions	
Length	0.4 m
Diameter	6.5 mm ± 0.2 mm
Bend radius	
Single bend	≥20 mm
Moving	≥50 mm
Drag chain data	
Acceleration	≤6 g
Flex cycles ²⁾	≥3,000,000
Speed	≤4 m/s
Weight	0.28 kg

Table 2: 8ECG00X4.1341C-0 - Technical data

1) Values refer to the raw cable being used.

2) At an ambient temperature of 20°C and bend radius of 65 mm.

4 Wiring

4.1 Cable construction

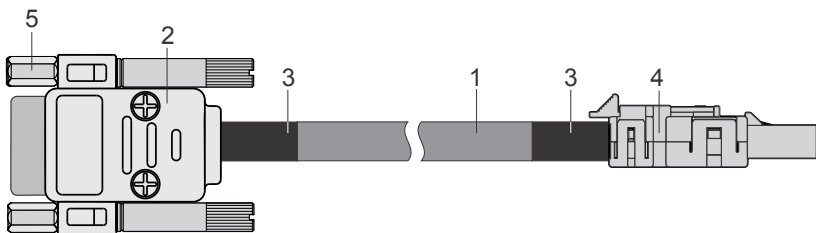
		
Pos.	Description	Note
1	Resolver cable E&E	3x2x24 AWG/19
2	9-pin female DSUB connector with metallic housing	Strain relief and fastened for all-around shield contact
3	Heat shrink tubing	
4	Mini I/O connector, 8-pin male	
5	Hex extender	

Table 3: Resolver adapter cable 8ECGxxxx.1341C-0 - Cable construction

4.2 Pinout

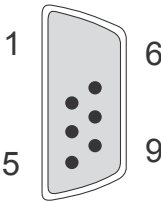
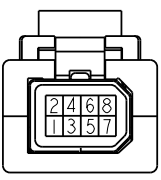
Female DSUB connector	Pin	Description	Function	Pin	Male Mini I/O connector
	1	nc	nc	6	
	2	nc	nc	8	
	3	S4	Sine input +	3	
	4	S1	Cosine input -	7	
	5	R2	Reference output +	2	
	6	nc	nc	nc	
	7	S2	Sine input -	1	
	8	S3	Cosine input +	5	
	9	R1	Reference output -	4	

Table 4: Resolver adapter cable 8ECGxxxx.1341C-0 - Pinout

4.3 Cable diagram

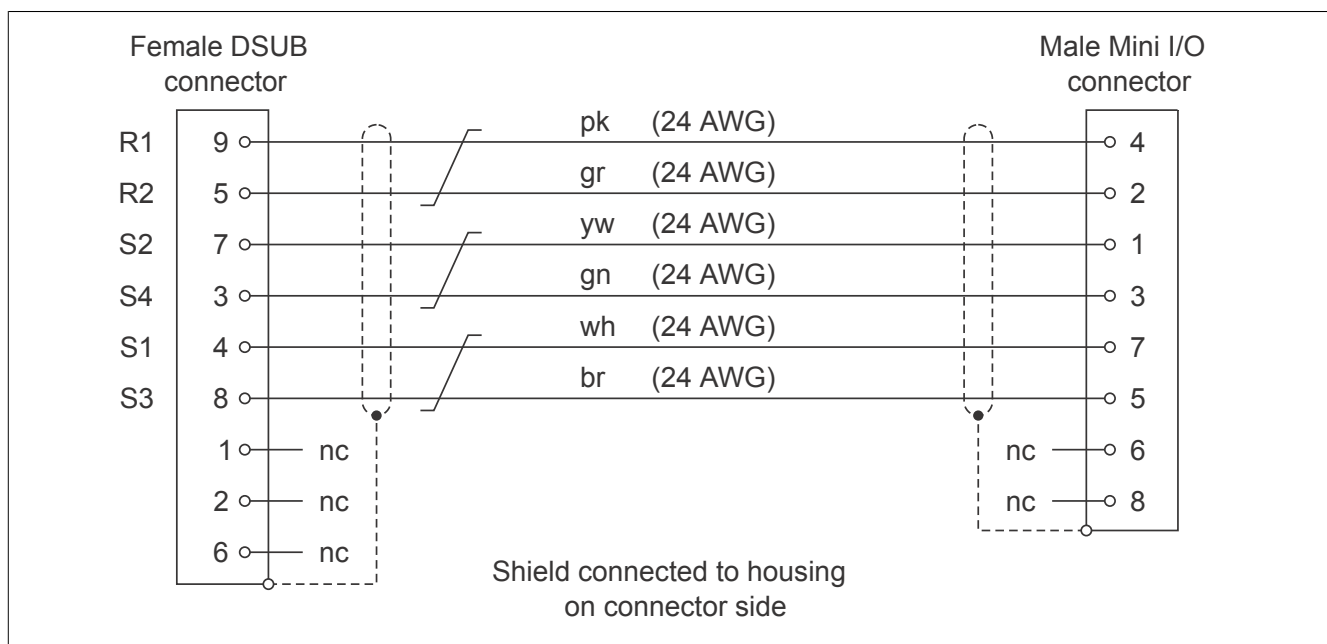


Figure 1: Resolver adapter cable 8ECGxxxx.1341C-0 - Cable diagram