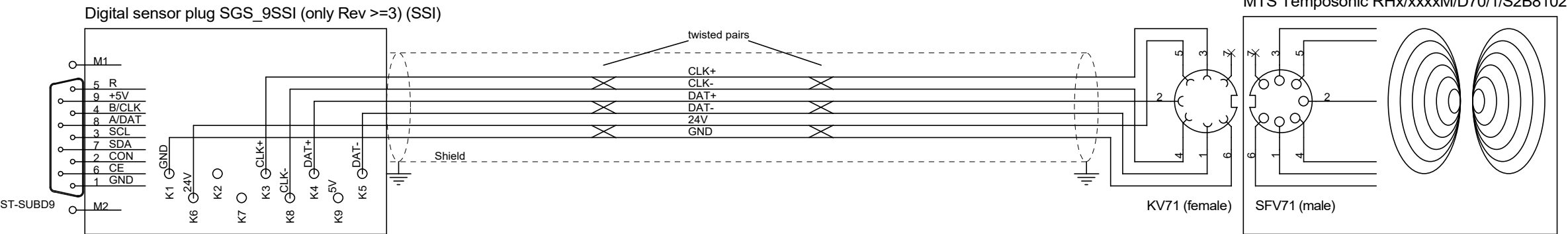
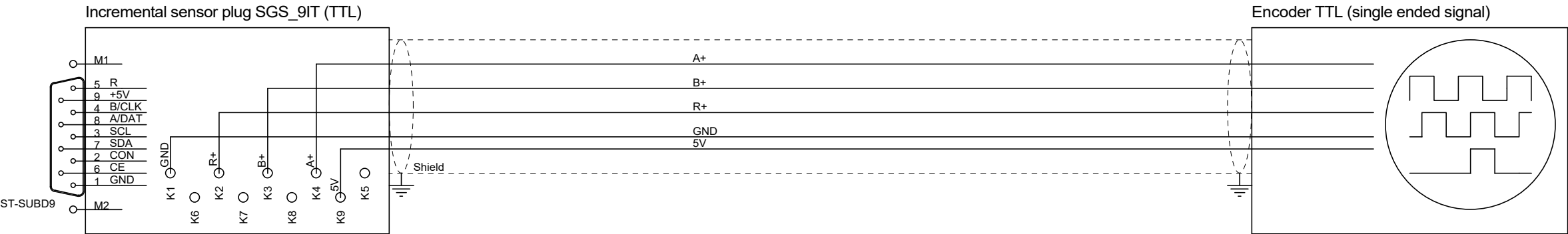
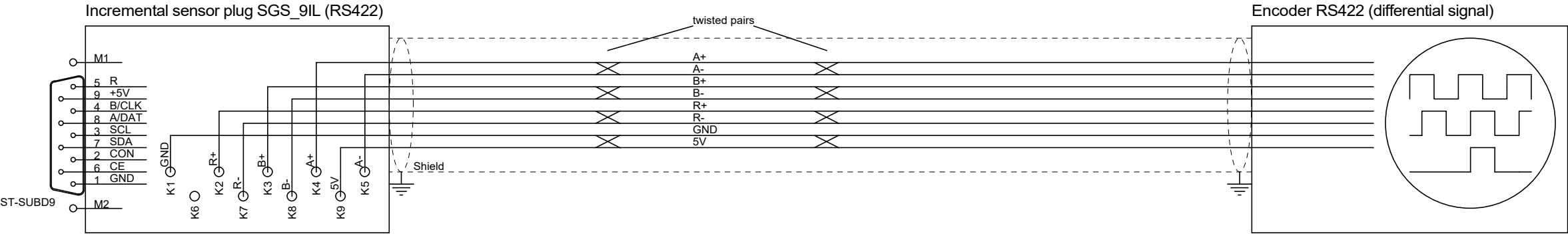
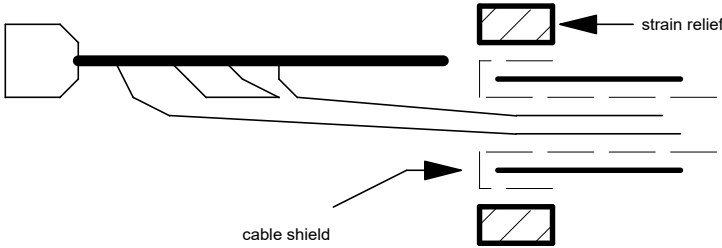


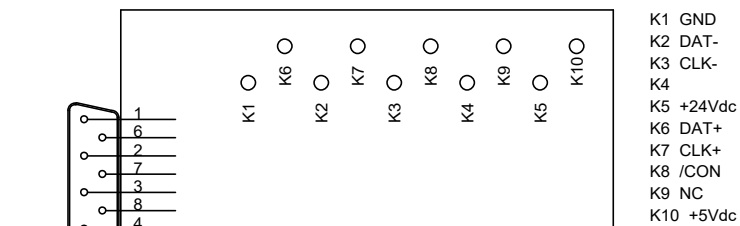
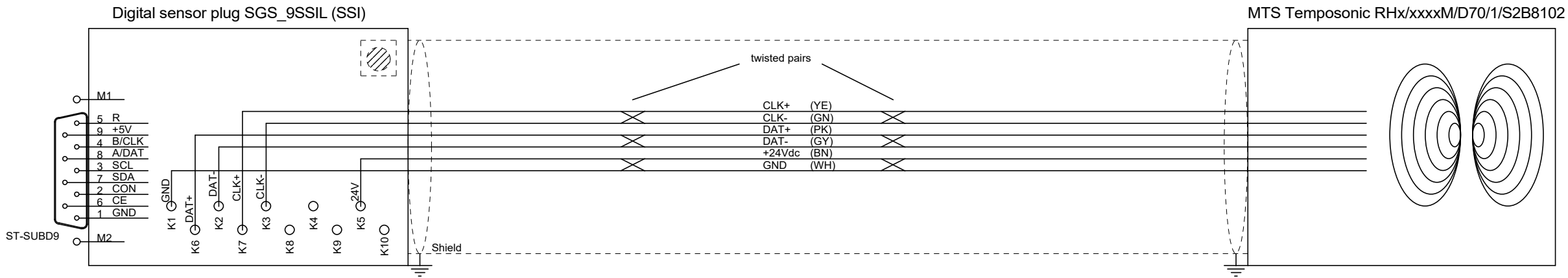
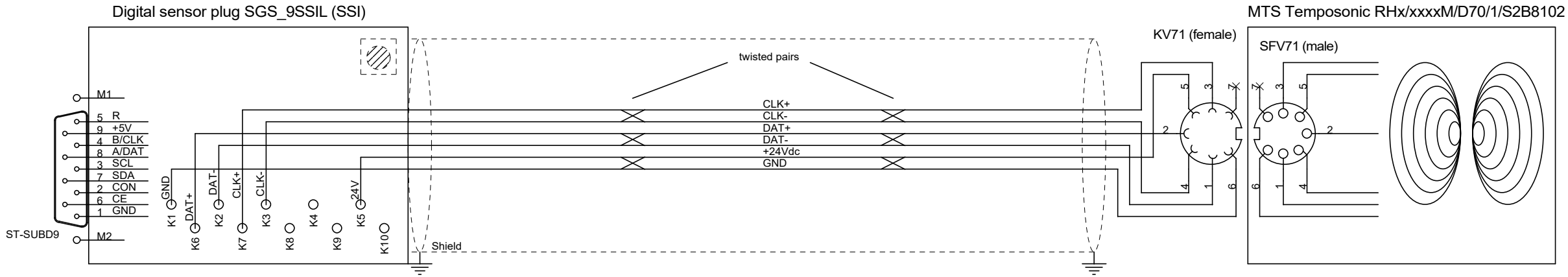
Incremental/digital sensor plug SGS with RS422 / TTL / SSI /BISS Sensor



	SGS_9IL RS422:	SGS_9IT TTL:	SGS_9SSI (Rev >=3) (SSI/BISS):
	K1 GND K2 R+ K3 B+ K4 A+ K5 A- K6 NC K7 R- K8 B- K9 5V	K1 GND K2 R+ K3 B+ K4 A+ K5 NC K6 NC K7 NC K8 NC K9 5V	K1 GND K2 do not connect K3 Clk+ K4 Dat+ K5 Dat- K6 24V K7 do not connect K8 Clk- K9 5V



Digital sensor plug SGS with magnetostrictiv sensor Temposonic (SSI) (9SSI only Rev <3)



Cal.key

strain relief

cable shield

Doli Elektronik GmbH
Rudolf-Diesel-Str.3
72525 Münsingen
www.doli.de

Title
EDCi_Incremental_SSI_Schematic

Size
A3

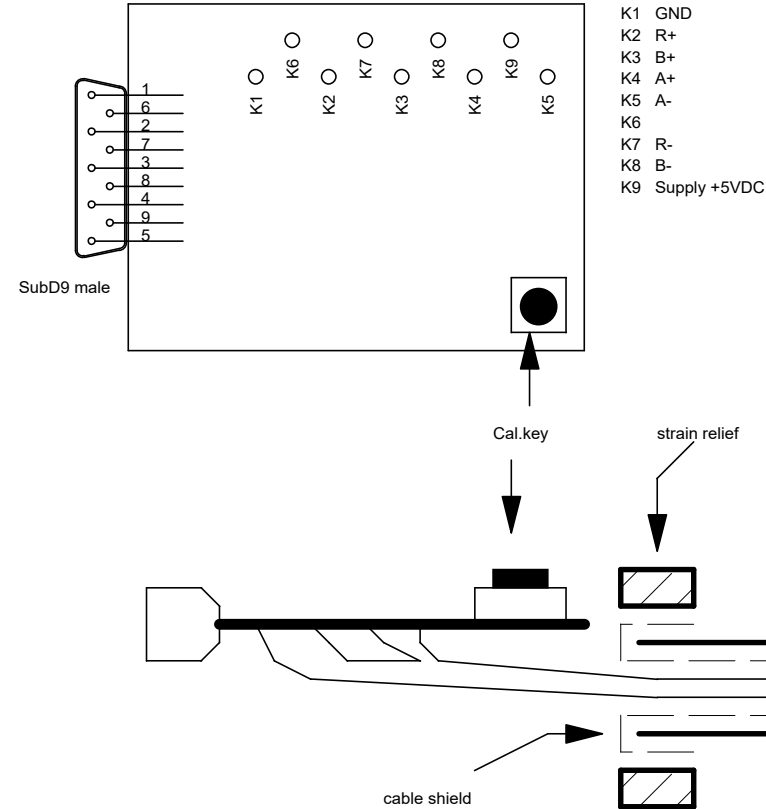
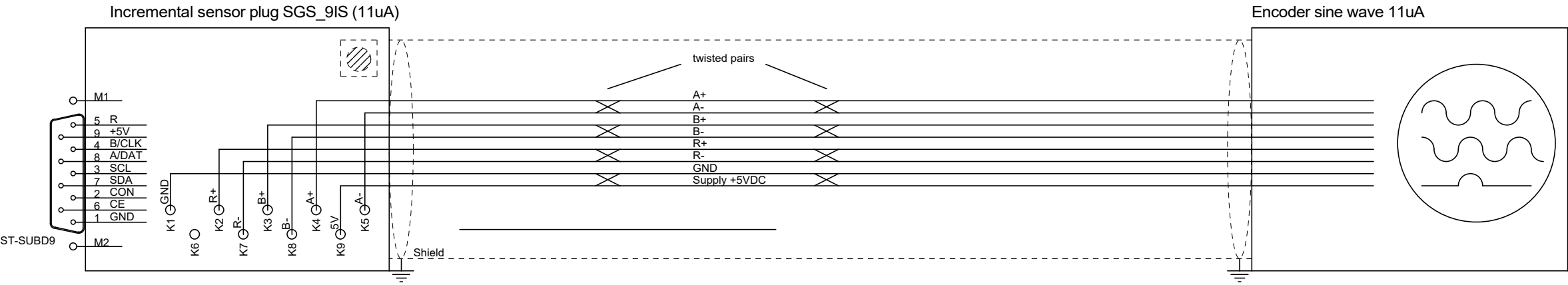
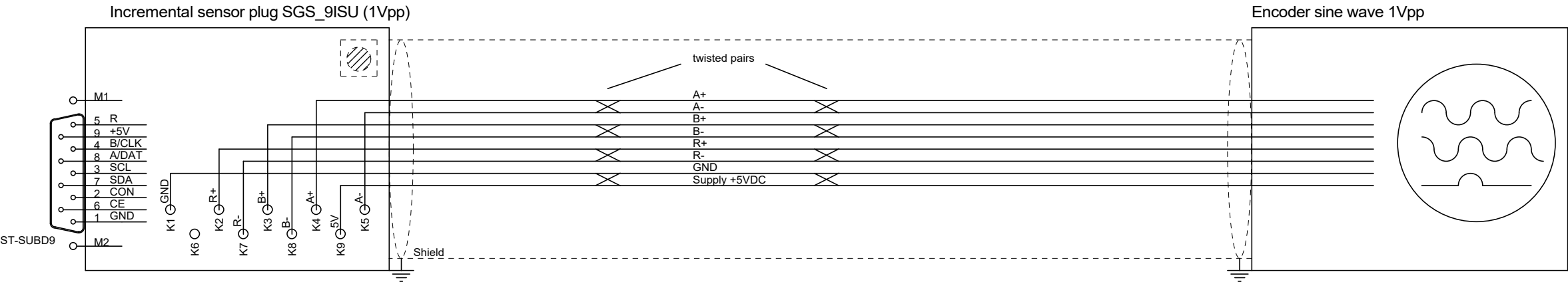
Document Number
02_SGS_9SSI_Old_Rev

Rev
4.1

Date: Thursday, April 16, 2026

Sheet 2 of 6

Incremental sensor plug SGS with sine wave signal 1Vpp or 11uA



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Rudolf-Diesel-Str.3
72525 Münsingen
www.doli.de

Title
EDCi_Incremental_SSI_Sensor_Schematic

Size
A3

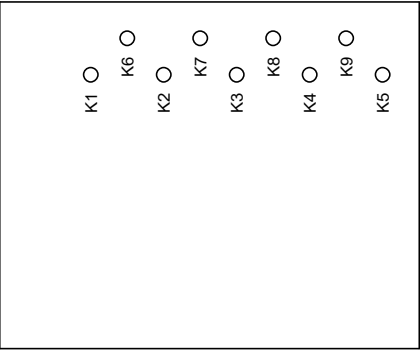
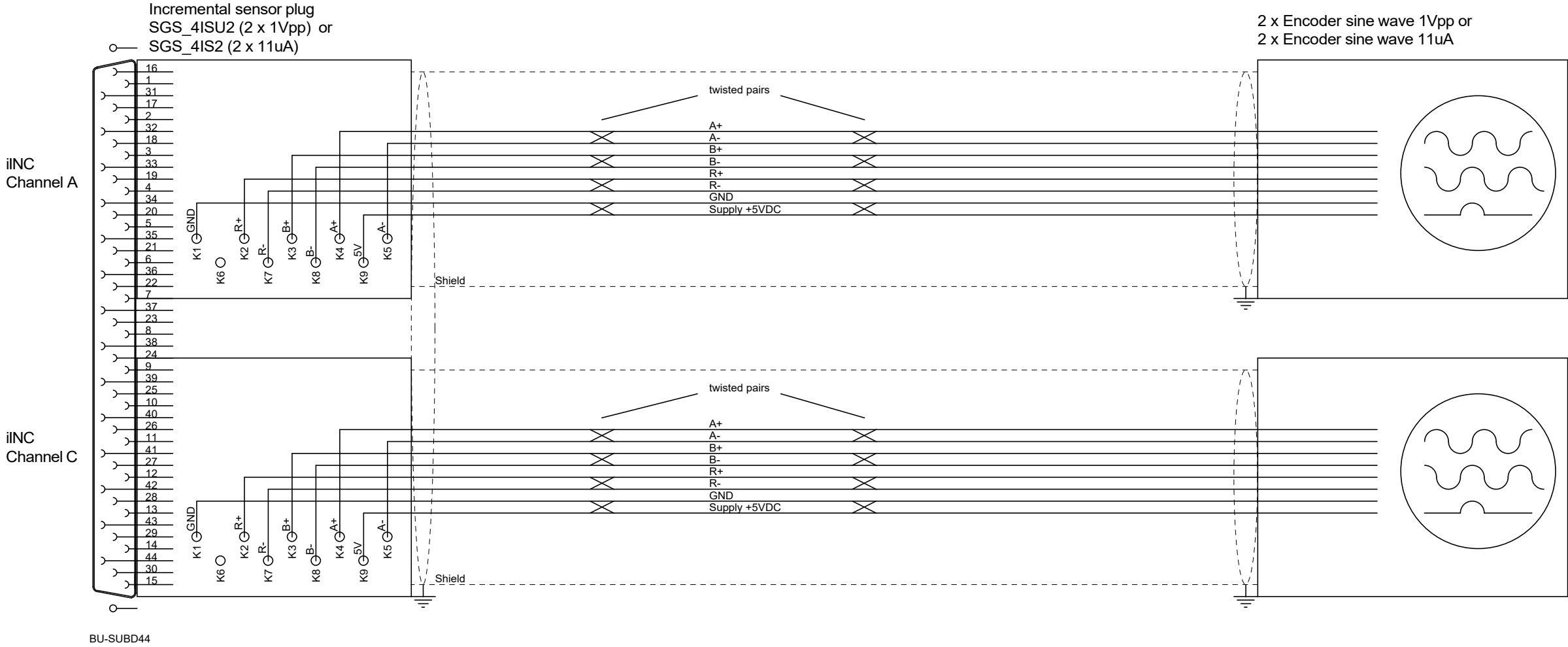
Document Number
03_SGS_9ISU_9IS

Rev
4.1

Date: Thursday, April 16, 2026

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Incremental sensor plug SGS with sine wave signal 1Vpp or 11uA



K1 GND
K2 R+
K3 B+
K4 A+
K5 A-
K6 R-
K7 B-
K8 B-
K9 Supply +5VDC

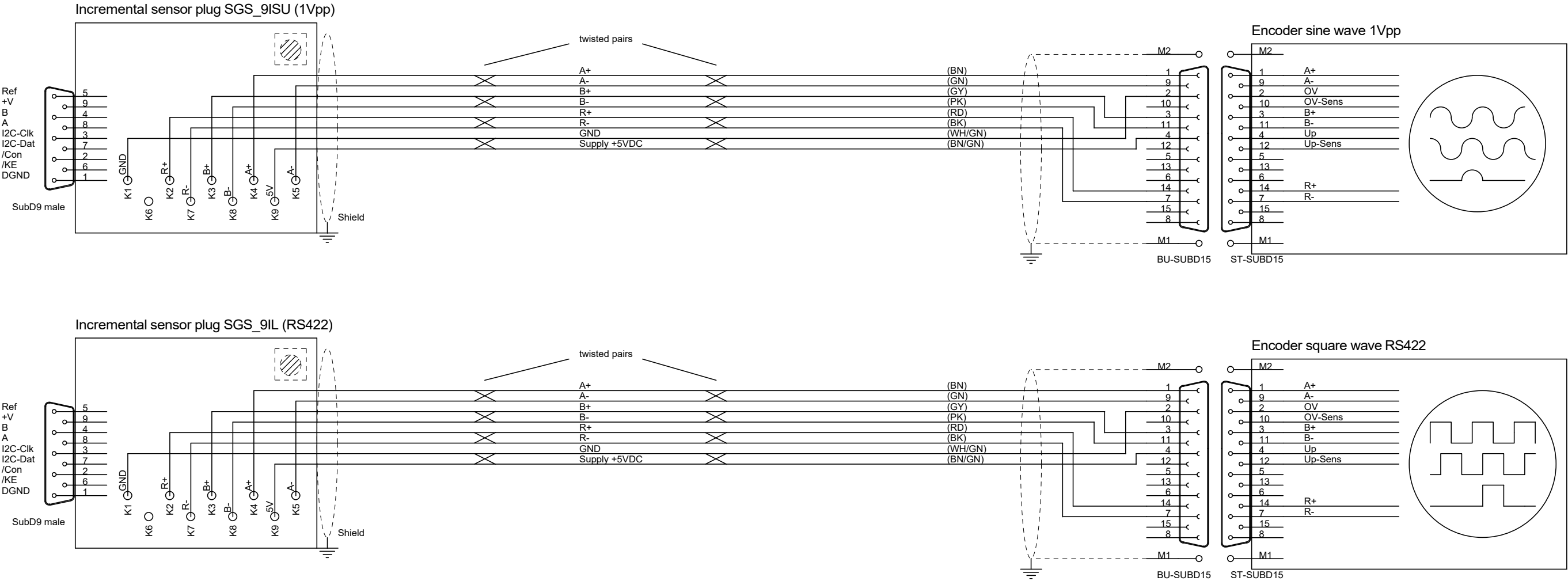
Doli Elektronik GmbH
Rudolf-Diesel-Str.3
72525 Münsingen
www.doli.de

Title
EDCi_Incremental_SSI_Sensor_Schematic

Size A3	Document Number 04_SGS_4ISU2_4IS2	Rev 4.1
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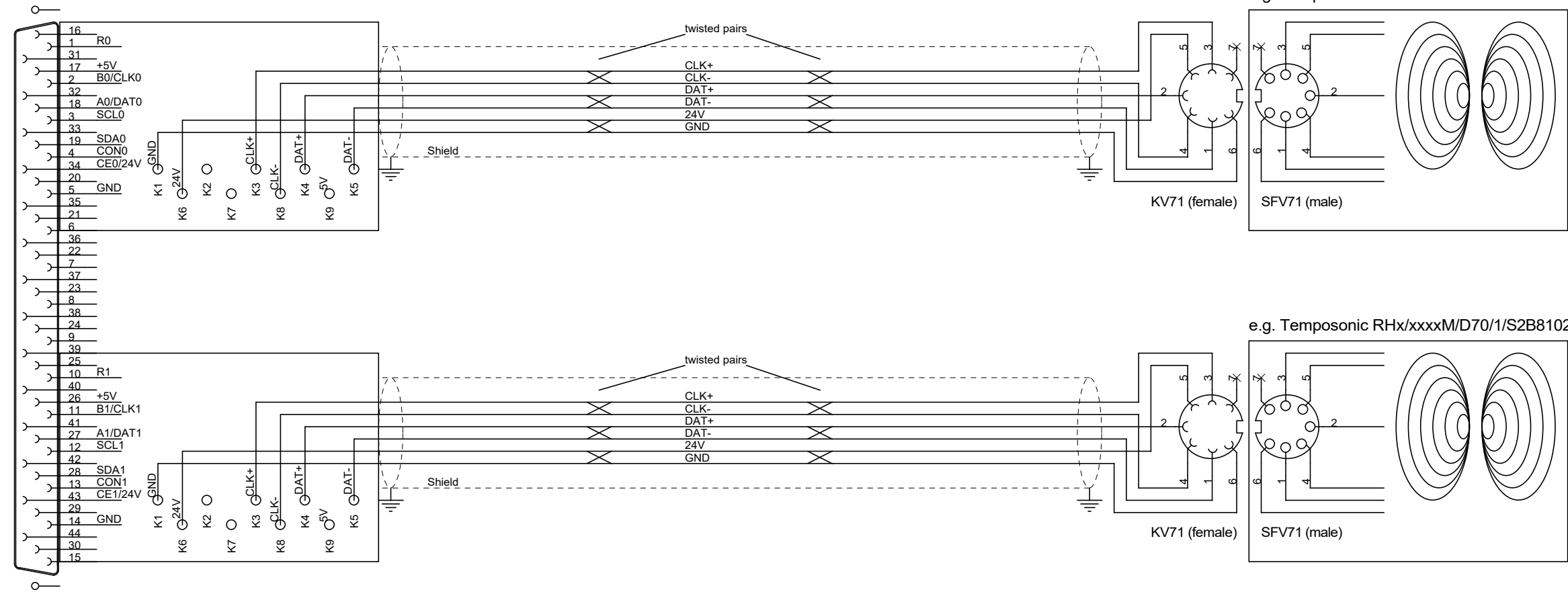
Date: Thursday, April 16, 2026 Sheet 4 of 6

Incremental sensor plug SGS with Heidenhain sensor 1Vpp or RS422

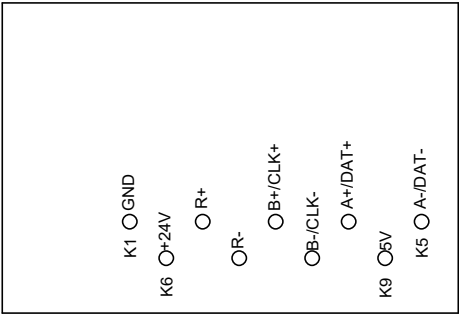


Incremental/digital sensor plug SGS for SSI / BISS Sensor

Digital sensor plug SGS_4SSI (only Rev >=1) (SSI/BISS)



BU-SUBD44



SGS_4SSI (Rev >=1) (SSI/BISS):
K1 GND
K2 do not connect
K3 Clk+
K4 Dat+
K5 Dat-
K6 24V
K7 do not connect
K8 Clk-
K9 5V

Doli Elektronik GmbH
Rudolf-Diesel-Str.3
72525 Münsingen
www.doli.de

Title
EDCi_Incremental_SSI_Sensor_Schematic

Size
A3

Document Number
06_SGS_4SSI

Rev
4.1

Date: Thursday, April 16, 2026

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