

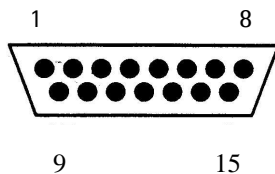
## Connector Layout for Encoders, Extension Cables & Adaptors for AZHP Elevator Drives

### Layout Encoder ( Sine / TTL / HTL )

Output D-SUB 15 poles, male

PIN - Nr.	Signal	PIN - Nr.	Signal
1	A+	9	-
2	A-	10	-
3	+5V	11	-
4	GND	12	screen
5	B+	13	-
6	B-	14	-
7	N+	15	-
8	N-	case	screen

A ±: Channel 1, B ±: Channel 2, N ±: Reference



View from PIN side

(NOTE: Screen connected to PIN 12 necessary only for SINE Encoder connected to DIETZ FI)

### Extension Cable for Encoder, l = 5m

D-SUB 15 poles, female to D-SUB 15 poles, male

OMS No. 3034 0060

PIN - Nr.	Signal	PIN - Nr.	Signal
1	A+	9	-
2	A-	10	-
3	+5V	11	-
4	GND	12	screen
5	B+	13	-
6	B-	14	-
7	N+	15	-
8	N-	case	screen

A ±: Channel 1, B ±: Channel 2, N ±: Reference

PIN - Nr.	Signal	PIN - Nr.	Signal
1	A+	9	-
2	A-	10	-
3	+5V	11	-
4	GND	12	screen
5	B+	13	-
6	B-	14	-
7	N+	15	-
8	N-	case	screen

A ±: Channel 1, B ±: Channel 2, N ±: Reference

Layout as for Encoder

(NOTE: Screen connected to PIN 12 necessary only for SINE Encoder connected to DIETZ FI)

**Layout of Adaptor for KEB Frequency – Inverter, I = 0,25m**

D-SUB female, 15 poles to D-SUB male, 15 poles, 3 rows

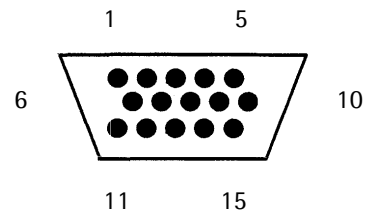
OMS No. 3034 0061

PIN - Nr.	Signal	PIN - Nr.	Signal
1	A+	9	-
2	A-	10	-
3	+5V	11	-
4	GND	12	screen
5	B+	13	-
6	B-	14	-
7	N+	15	-
8	N-	case	screen

A ±: Channel 1, B ±: Channel 2, N ±: Reference

PIN - Nr.	Signal	PIN - Nr.	Signal
1	-	9	B+
2	-	10	-
3	A-	11	-
4	B-	12	+5V
5	-	13	GND
6	-	14	N-
7	-	15	N+
8	A+	case	screen

A ±: Channel 1, B ±: Channel 2, N ±: Reference



View from PIN side

**Layout of Adaptor for Ziehl - Abegg Frequency – Inverter, I = 0,25m**

D-SUB female, 15 poles to D-SUB male, 9 poles

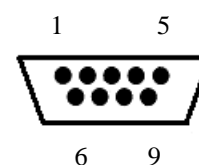
OMS No. 3034 0102

PIN - Nr.	Signal	PIN - Nr.	Signal
1	A+	9	-
2	A-	10	-
3	+5V	11	-
4	GND	12	screen
5	B+	13	-
6	B-	14	-
7	N+	15	-
8	N-	case	screen

A ±: Channel 1, B ±: Channel 2, N ±: Reference

PIN - Nr.	Signal
1	A+
2	B+
3	-
4	+5V
5	GND
6	A-
7	B-
8	-
9	GND
case	screen

A ±: Channel 1, B ±: Channel 2



View from PIN side

**Layout of Adaptor for Danfoss Frequency – Inverter, l = 0,25m**

D-SUB female, 15 poles to Phoenix female, 8 poles

OMS No. 3034 0126

PIN - Nr.	Signal	PIN - Nr.	Signal
1	A+	9	-
2	A-	10	-
3	+5V	11	-
4	GND	12	screen
5	B+	13	-
6	B-	14	-
7	N+	15	-
8	N-	case	screen

A ± : Channel 1, B ± : Channel 2, N ± : Reference

PIN - Nr.	Signal
1	+5V
2	GND
3	A+
4	A-
5	B+
6	B-
7	N+
8	N-
	screen

A ± : Channel 1, B ± : Channel 2, N ± : Reference

**Connector: Phönix Part Nr. 1840421**

**Layout of Adaptor to free wires, l = 0,25m**

D-SUB female, 15 poles to 9 wires

OMS No. 3034 0127

PIN - Nr.	Signal	PIN - Nr.	Signal
1	A+	9	-
2	A-	10	-
3	+5V	11	-
4	GND	12	screen
5	B+	13	-
6	B-	14	-
7	N+	15	-
8	N-	case	screen

A ± : Channel 1, B ± : Channel 2, N ± : Reference

Wire - Nr.	Signal
1	+5V
2	A+
3	A-
4	B+
5	B-
6	N+
7	N-
8	GND
9	screen

A ± : Channel 1, B ± : Channel 2, N ± : Reference