Special interfaces for the TIGRE encoders
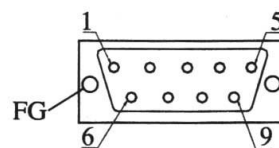
1) Interface from 5 V to 24 V opened collector

TTL, 5 V input connector description

Pin	1	2	3	4	5	6	7	8	9
Signal	-	0 V	-	-	-	A	+5 V	B	Z

(shielding is connected to the connector body)

TTL, 24 V input connector description

Pin	1	2	3	4	5	6	7	8	9
Signal	-	0 V	-	+ 24V	-	A	-	B	Z

(shielding is connected to the connector body)

2) Interface from 5 V TTL to 5 V RS422

TTL, 5 V input connector description

Pin	1	2	3	4	5	6	7	8	9
Signál	-	0 V	-	-	-	A	+5 V	B	Z

(shielding is connected to the connector body)

RS422, 5 V output connector

Pin	1	2	3	4	5	6	7	8	9
Signal	-A	0 V	-B	+ 24V	-Z	A	+5V	B	Z

(shielding is connected to the connector body)

3) Interface from 5 V TTL to negated A+/A-/B+/B-/Z+/Z- 24 V opened collector

TTL, 5 V input connector description

Pin	1	2	3	4	5	6	7	8	9
Signal	-	0 V	-	-	-	A	+5 V	B	Z

(shielding is connected to the connector body)

A+/A-/B+/B-/Z+/Z-, 24 V openned collector output conector description

Pin	1	2	3	4	5	6	7	8	9
Signal	-A	0 V	-B	+ 24V	+Z	A	-	B	Z

(shielding is connected to the connector body)

4) Interface from 5 V to 24 V PNP NPN

TTL, 5 V input connector description

Pin	1	2	3	4	5	6	7	8	9
Signal	-	0 V	-	-	-	A	+5 V	B	Z

(shielding is connected to the connector body)

24 V PNP NPN output conector description

Pin	1	2	3	4	5	6	7	8	9
Signal	-	OV	-	+ 24V	-	A	-	B	Z

(shielding is connected to the connector body)

5) Interface for the pulses multiplication by integer

TTL, 5 V input connector description

Pin	1	2	3	4	5	6	7	8	9
Signal	-	0 V	-	-	-	A	+5 V	B	Z

(shielding is connected to the connector body)

TTL, 5V (pulses are multiplied by integer) - output connector description

Pin	1	2	3	4	5	6	7	8	9
Signal	-	0 V	-	-	-	A	+5 V	B	Z

(shielding is connected to the connector body)