

# ROTAPULS

Electrical connections incremental encoders

## CONNECTIONS WITH NORMAL OUTPUTS

1	2	function
A	1	A
B	2	n.c.
C	3	B
D	4	n.c.
E	5	0
F	6	0 Vdc GND
G	7	+Vdc

1 = E7 MLS 7 pin MIL mating connector

2 = T 3475001 7 pin TUCHEL mating connector

## CONNECTIONS WITH COMPLEMENTARY OUTPUTS

1	2	3	function
A	C	1	A
B	D	2	/A
C	E	3	B
D	F	4	/B
E	G	5	0
F	H	6	/0
G	M	11	n.c.
H	B	12	n.c.
I	J	8	0 Vdc GND
J	A	7	+Vdc
	K	9	n.c.
	L	10	n.c.

1 = E10MLS 10 pin MIL mating connector

2 = T 3635000 12 pin TUCHEL mating connector

3 = EPFL 121 12 pin CONNEI mating connector

## CONNECTIONS WITH CABLE OUTPUT

1	2	function
brown	yellow	A
-	blue	/A
blue	green	B
-	orange	/B
white	white	0
-	grey	/0
red	red	+Vdc
black	black	0 Vdc GND

1 = cable LIKA 5x0,25 mm<sup>2</sup> (LIYCY)

2 = cable LIKA 8x0,25 mm<sup>2</sup> (LIYCY)

## CABLE SPECIFICATIONS

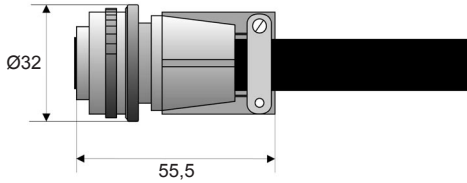
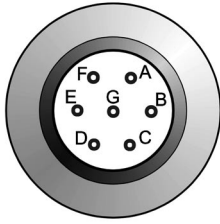
Screening:	Copper
External Ø:	5 leads 5 mm 8 leads 6,2 mm
Conductors resistance:	79Ω/Km
Bending radius:	fixed Ø x 5 mm in motion Ø x 15 mm

## ELECTRICAL CONNECTIONS WITH 9 PIN DSub INLINE CONNECTOR

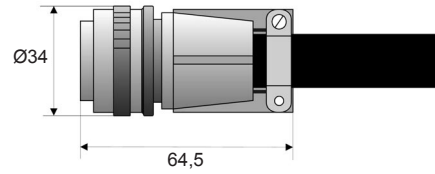
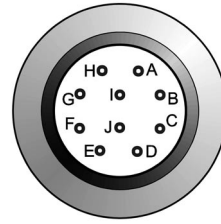
1	function
1	A
2	/A
3	B
4	/B
5	0
6	/0
7	n.c.
8	+Vdc
9	0 Vdc GND

1 = EDE 9S 9 pin DSub inline connector

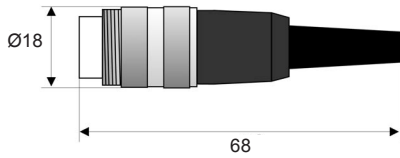
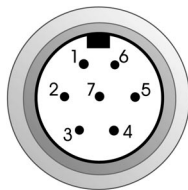
For long distances and/or environments with electric noise, LIKA 3x2x0,25 mm<sup>2</sup> + 2x1x0,5 mm<sup>2</sup> cable is suggested.



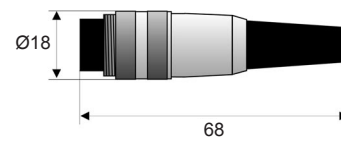
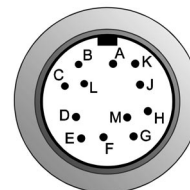
7 pin MIL mating connector  
Ordering code: E7MLS



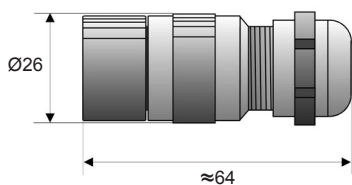
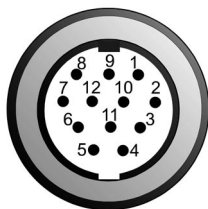
10 pin MIL mating connector  
Ordering code: E10MLS



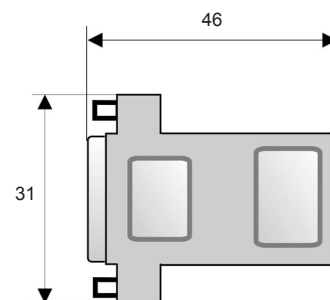
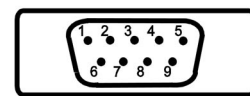
7 pin TUCHEL mating connector  
Ordering code: T3475001



12 pin TUCHEL mating connector  
Ordering code: T3635000



12 pin CONNEL mating connector  
Ordering code: EPFL 121



9 pin DSub mating connector  
Ordering code: EDE9S