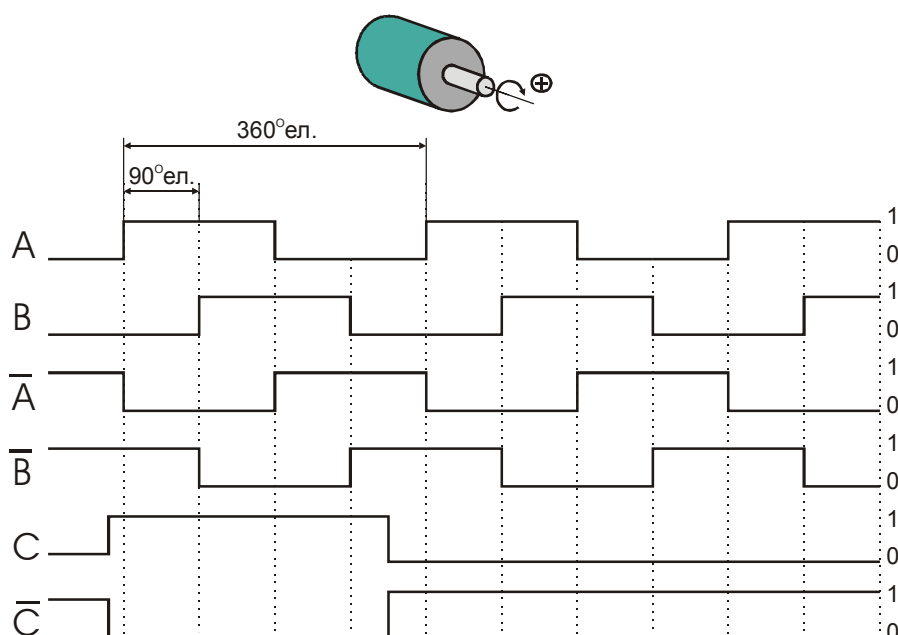


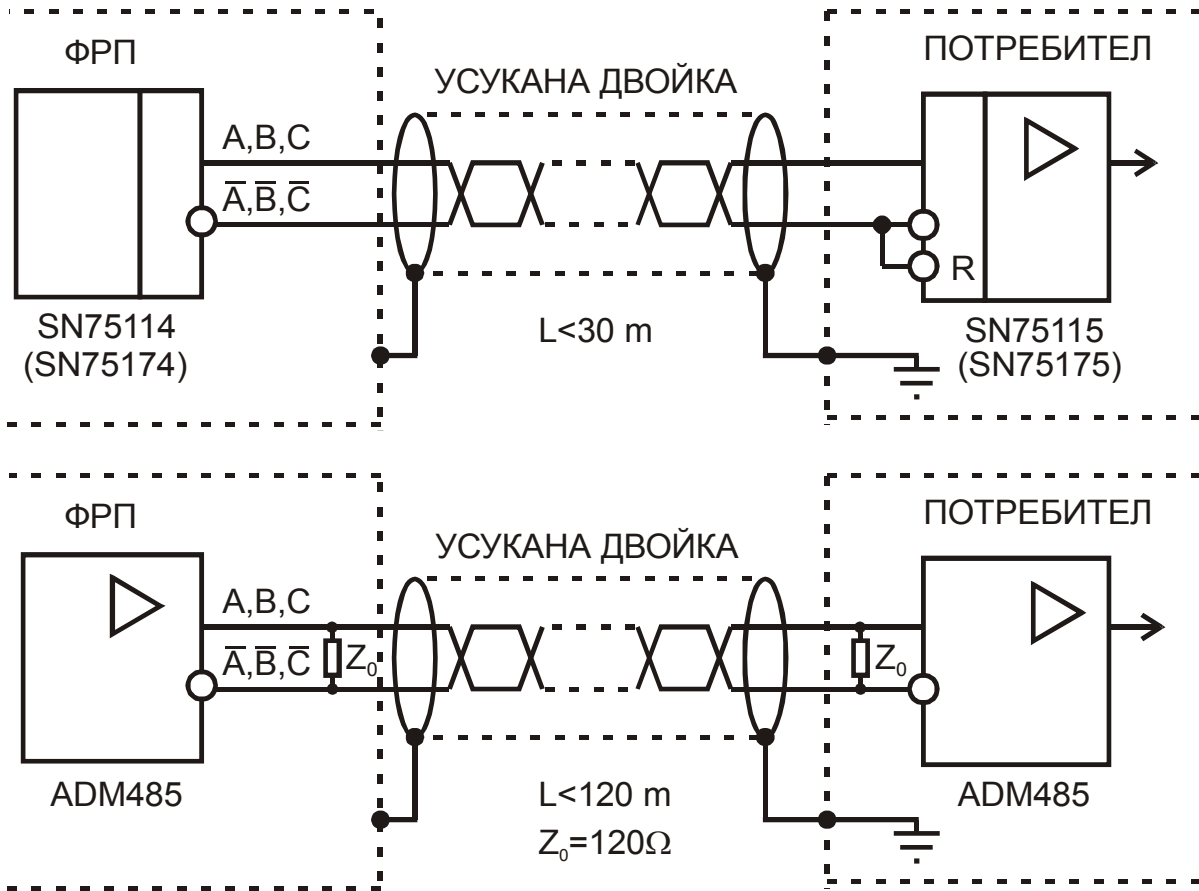
TECHNICAL DATA FRP-7L

Number of pulses per revolution N	1024, 1800, 2000, 2500 ¹
Maximum number of positions per revolution	i=4.N
Supply voltage	+5V±5%/150mA ²
Output signals	
channels	A, B, C, \bar{A} , \bar{B} , \bar{C}
phase shift	90°±30° el.
pulse duty factor	0,5±0,05
maximum frequency f_{max}	100 kHz
Level of output signals ³	
log"0"	≤0,5V
log"1"	≥2,5V ≤ 5,25
Maximum admissible revolutions	6000 min ⁻¹
Maximum working revolutions	n=60000.f_{max}/N min⁻¹ f_{max}[kHz], N[pulses/rev.]
N=1024 pulses/rev., f_{max} =100 kHz. n=60 000.100/1024=5860 min⁻¹	
Operating temperature	0°C to +50°C.
Storage temperature	-20°C to +70°C.
Admissible relative humidity	85% at 25°C
Degree of protection	IP 41/54
Maximum shaft load	
Radial	20 N
Axial	10N
Weight	1,1 kg.
Recommended coupler	OC 20

DIAGRAM OF THE OUTPUT SIGNALS



RECOMMENDED ELECTRICAL CONNECTION



OUTPUT CABLE

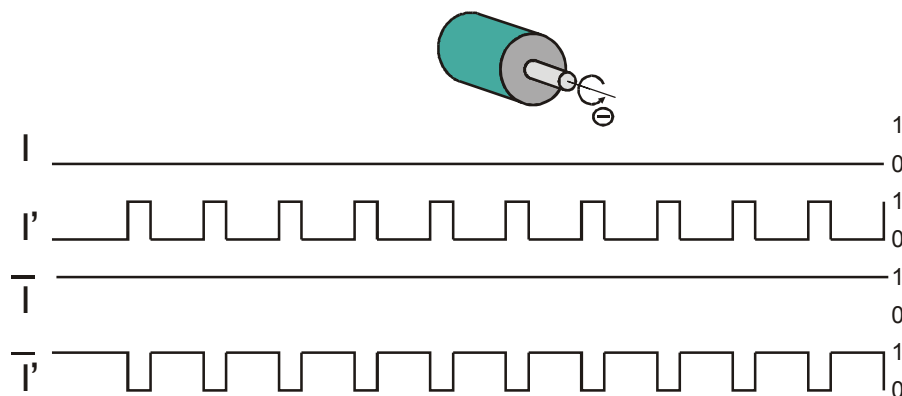
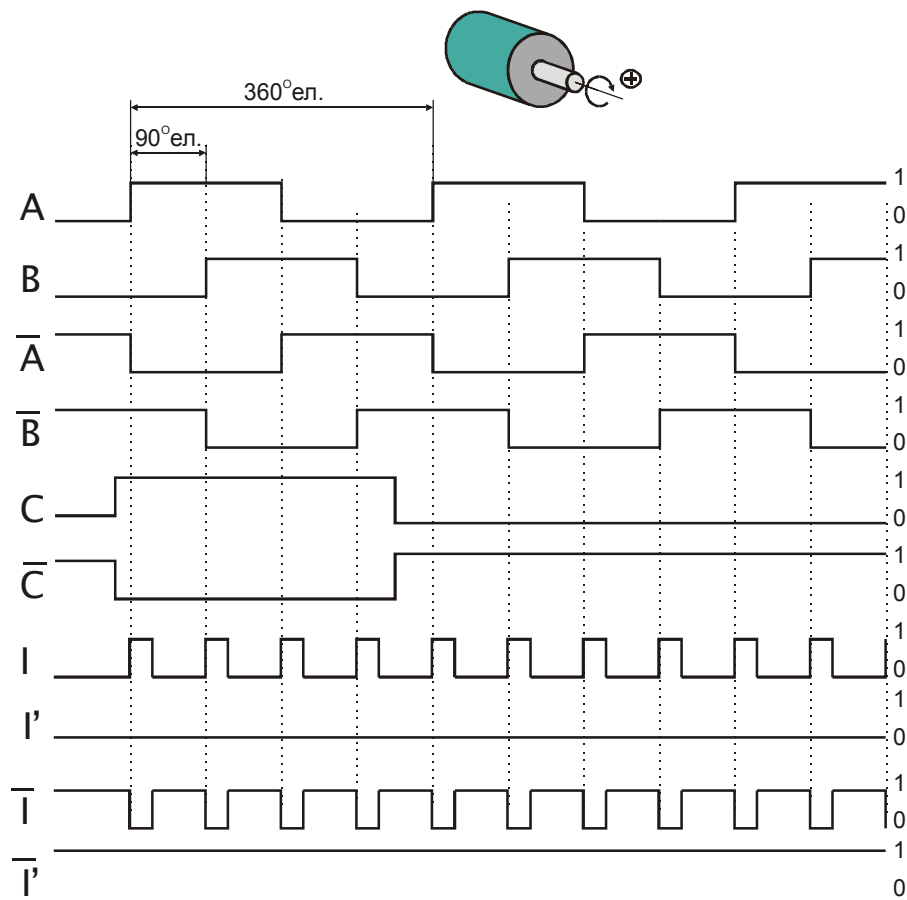
Function	Cable
+5V	blue/white
A	orange
\bar{A}	white from orange
B	blue
\bar{B}	white from blue
C	green
\bar{C}	white from green
0V	black
casing	shield

ON REQUEST

1. Increasing the number of pulses per revolution twofold and four-fold, as well as decreasing by a multiple of two with a possibility of self-diagnostics.
2. Built-in DC/DC converter +10V÷+30V DC.
3. Open collector output having the following characteristics:

Maximum collector voltage	$\leq 30V$
Maximum collector current	$\leq 30mA$

DIAGRAM OF THE OUTPUT SIGNALS ($i=N*4$)



DIMENSIONS

