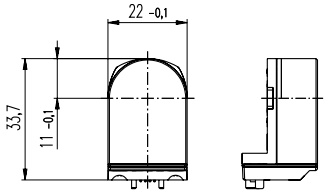
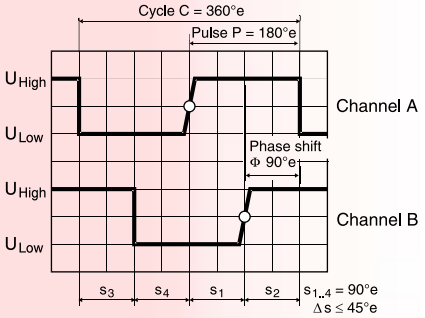
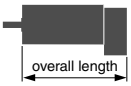
Encoder Enc 22, 100 Counts per turn, 2 Channels





Stock program
Standard program
Special program (on request)

	Order Number					
	103937	143330	103935	110520	168045	110521
Type						
Counts per turn	100	100	100	100	100	100
Number of channels	2	2	2	2	2	2
Max. operating frequency (kHz)	20	20	20	20	20	20
Shaft diameter (mm)	2	2	3	2	3	3
Orientation encoder to motor mounting defined		± 5°			± 5°	



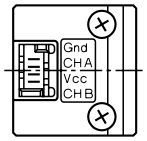
Combination

+ Motor	Page	+ Gearhead	Page	Overall length [mm] / ● see: + Gearhead					
RE 25, 10 W	76					68.6			
RE 25, 10 W	76	GP 26, 0.5 - 2.0 Nm	226			●			
RE 25, 10 W	76	GP 32, 0.4 - 2.0 Nm	228			●			
RE 25, 10 W	76	GP 32, 0.75 - 4.5 Nm	229			●			
RE 25, 10 W	76	GP 32, 1.0 - 6.0 Nm	231			●			
RE 25, 20 W	78					68.6			
RE 25, 20 W	78	GP 26, 0.5 - 2.0 Nm	226			●			
RE 25, 20 W	78	GP 32, 0.4 - 2.0 Nm	228			●			
RE 25, 20 W	78	GP 32, 0.75 - 4.5 Nm	229			●			
RE 25, 20 W	78	GP 32, 1.0 - 6.0 Nm	231			●			
RE 26, 18 W	79							76.2	
RE 26, 18 W	79	GP 26, 0.5 - 2.0 Nm	226					●	
RE 26, 18 W	79	GP 32, 0.4 - 2.0 Nm	228					●	
RE 26, 18 W	79	GP 32, 0.75 - 4.5 Nm	229					●	
RE 26, 18 W	79	GP 32, 1.0 - 6.0 Nm	231					●	

Technical Data

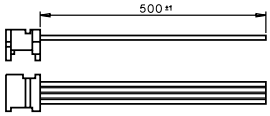
Supply voltage	5 V ± 10 %
Output signal	TTL compatible
Phase shift Φ (nominal)	90°e ± 45°e
Signal rise time (typical at C_L = 25 pF, R_L = 11 kΩ, 25°C)	200 ns
Signal fall time (typical at C_L = 25 pF, R_L = 11 kΩ, 25°C)	50 ns
Operating temperature range	-20 ... +85°C
Moment of inertia of code wheel	≤ 0.05 gcm²
Output current per channel	min. -1 mA, max. 5 mA

Pin Allocation

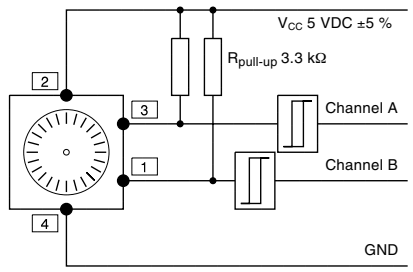


Micromodule contact strip
Type Lumberg MICS 4
Pin 4 GND
Pin 3 Channel A
Pin 2 V_{CC}, Pin 1 Channel B
recommended connectors:
Micromodule connector
Type Lumberg MICA 4

Order number for connector with cable: 3419.506

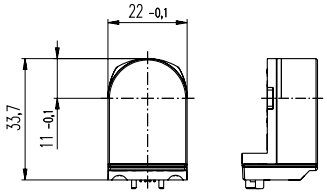


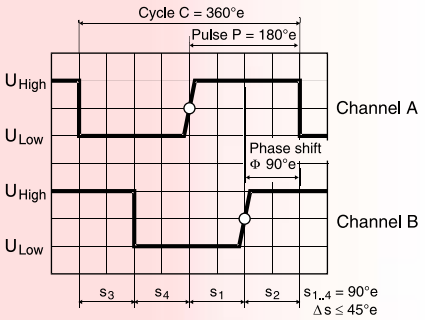
Connection example



Ambient temperature range δ_U = 22 - 25°C

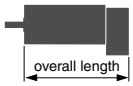
Encoder Enc 22, 100 Counts per turn, 2 Channels





Stock program
Standard program
Special program (on request)

	Order Number					
Type	103937	143330	103935	110520	168045	110521
Counts per turn	100	100	100	100	100	100
Number of channels	2	2	2	2	2	2
Max. operating frequency (kHz)	20	20	20	20	20	20
Shaft diameter (mm)	2	2	3	2	3	3
Orientation encoder to motor mounting defined		± 5°			± 5°	



Combination

+ Motor	Page	+ Gearhead	Page	Overall length [mm] / ● see: + Gearhead					
F 2130, 3 W	91			45.0					
F 2130, 3 W	91	GS 30, 0.07 - 0.2 Nm	227	●					
F 2140, 6 W	94					65.5			
F 2140, 6 W	94	GS 38, 0.1 - 0.6 Nm	234			●			
A-max 19, 1.5 W	106						43.3		
A-max 19, 1.5 W	106	GP 19, 0.1 - 0.3 Nm	217				●		
A-max 19, 1.5 W	106	GS 20, 0.06 - 0.25 Nm	218				●		
A-max 19, 1.5 W	106	GP 22, 0.1 - 2.0 Nm	219-222				●		
A-max 19, 1.5 W	106	GS 24, 0.1 Nm	225				●		
A-max 19, 2.5 W	108						45.9		
A-max 19, 2.5 W	108	GP 19, 0.1 - 0.3 Nm	217				●		
A-max 19, 2.5 W	108	GS 20, 0.06 - 0.25 Nm	218				●		
A-max 19, 2.5 W	108	GP 22, 0.1 - 2.0 Nm	219-222				●		
A-max 19, 2.5 W	108	GS 24, 0.1 Nm	225				●		
A-max 22	110/112						46.3		
A-max 22	110/112	GP 22, 0.1 - 0.3 Nm	219				●		
A-max 22	110/112	GP 22, 0.2 - 0.6 Nm	220				●		
A-max 22	110/112	GP 22, 0.1 - 2.0 Nm	219-222				●		
A-max 22	110/112	GS 24, 0.1 Nm	225				●		
A-max 26	114-120								59.1
A-max 26	114-120	GP 26, 0.5 - 2.0 Nm	226						●
A-max 26	114-120	GS 30, 0.07 - 0.2 Nm	227						●
A-max 26	114-120	GP 32, 0.4 - 2.0 Nm	228						●
A-max 26	114-120	GP 32, 0.75 - 4.5 Nm	229						●
A-max 26	114-120	GP 32, 1.0 - 6.0 Nm	232						●
A-max 26	114-120	GS 38, 0.1 - 0.6 Nm	234						●

Technical Data

Supply voltage	5 V ± 10 %
Output signal	TTL compatible
Phase shift Φ (nominal)	90°e ± 45°e
Signal rise time (typical at C_L = 25 pF, R_L = 11 kΩ, 25°C)	200 ns
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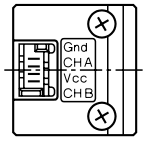
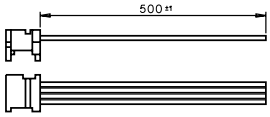
Operating temperature range	-20 ... +85°C
Moment of inertia of code wheel	≤ 0.05 gcm²
Output current per channel	min. -1 mA, max. 5 mA

Pin Allocation

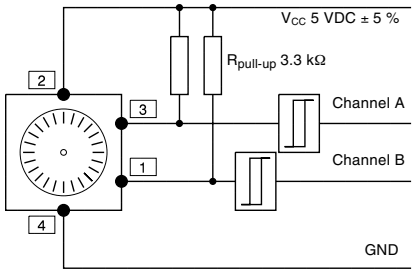


Micromodule contact strip
Type Lumberg MICS 4
Pin 4 GND
Pin 3 Channel A
Pin 2 V_{CC}, Pin 1 Channel B
recommended connectors:
Micromodule connector
Type Lumberg MICA 4

Order number for connector with cable: 3419.506



Connection example



Ambient temperature range δ_U = 22 - 25°C