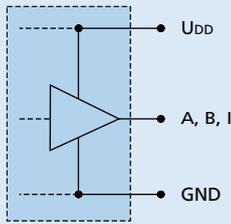


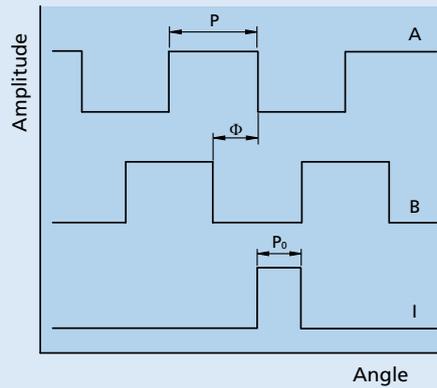


**Circuit diagram / Output signals**

**Output circuit**



**Output signals**  
with clockwise rotation as seen from the shaft end



**Connector information / Variants**

Example product designation: 0816K012SR K4180 IEP3-4096 K4453

Option	Type	Description
K4453	Ribbon cable PVC	For combination with DC-Motors series SR, encoder ribbon cable PVC and motor single leads PVC, length 50 mm
K4454	Ribbon cable PVC	For combination with DC-Motors series SR, encoder ribbon cable PVC and motor single leads PVC, length 100 mm
K4455	Ribbon cable FEP	For combination with DC-Motors series SR, encoder ribbon cable FEP and motor single leads PTFE, length 150 mm
K4502	Ribbon cable FEP	For combination with stepper motors, encoder ribbon cable FEP, length 150mm (an additional motor cable is mandatory)
K4456	Connector	For combination with DC-Motors series SR, connector variant with MOLEX Picoblade 51021-0800, recommended mating connector 51047-0800
K4483	Temperature range	For combination with DC-Motors series SR, up to 125°C, with encoder ribbon cable FEP and motor single leads PTFE, length 150 mm
	Resolutions	Resolutions from 1 - 10 000 lines per revolution are available by request.

**Connection Encoder**

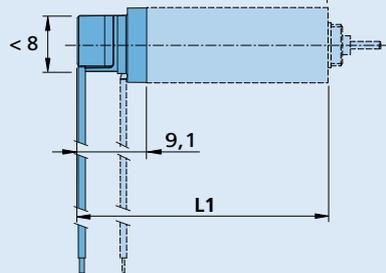
Standard		Option K4456	
No.	Function	No.	Function
1	GND	1	N.C.
2	U <sub>DD</sub>	2	N.C.
3	Channel B	3	N.C.
4	Channel A	4	GND
5	Channel I	5	U <sub>DD</sub>
		6	Channel B
		7	Channel A
		8	Channel I

**Standard cable**  
PVC-ribbon cable, 5-AWG 28, 1 mm

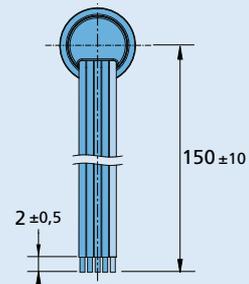
**Caution:**  
Incorrect lead connection will damage the electronics!

**Dimensional drawing A**

Example of combination with 1024...SR

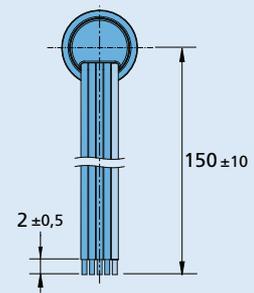
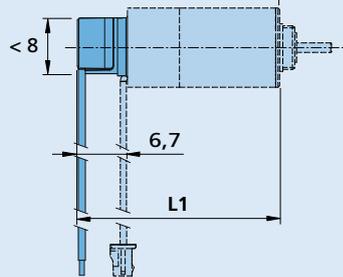


**IEP3-4096**



**Dimensional drawing B**

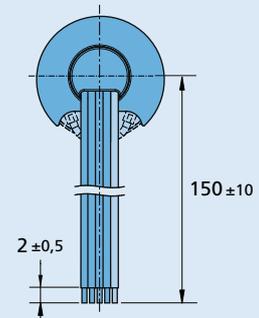
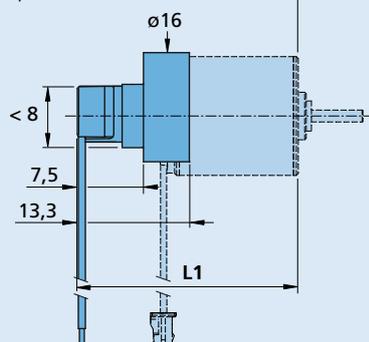
Example of combination with AM1020



**IEP3-4096**

**Dimensional drawing C**

Example of combination with AM1524



**IEP3-4096**