## Encoders

optical Encoder, digital outputs,
For combination with 2 channels, 100 lines per revolution

DC-Micromotors

| Series PAR-100 |  |  |
| :--- | :--- | :--- | :--- | :--- |

1) Velocity $\left(\mathrm{min}^{-1}\right)=f(\mathrm{~Hz}) \times 60 / \mathrm{N}$
${ }^{\text {2) }} U_{D D}=3$ V: with unloaded outputs


Characteristics

These incremental shaft encoders in combination with the DCMicromotors are designed for both indication and control of both shaft velocity and direction of rotation as well as for positioning.

An all-in-one emitter and detector chip transmits and receives LED light reflected off a low inertia reflective disc providing two channels with $90^{\circ}$ phase shift.

The supply voltage for the encoder and the Micromotor as well as the output signals are interfaced with a flexible printed circuit (FPC).

Details for the DC-Micromotors and suitable reduction gearheads are on separate catalog pages.

To view our large range of accessory parts, please refer to the
"Accessories" chapter.

## Circuit diagram / Output signals

## Output circuit



## Output signals

with clockwise rotation as seen
from the shaft end


## Connector information / Variants

Connection Encoder


Recommended connector

## Full product description

Molex 52745
grid $0,5 \mathrm{~mm}$
FPC / FFC, 8-conductors
Examples:
1016N006SR-K2565 PA2-100
1224N012SR-K1752 PA2-100

Dimensional drawing A


PA2-100


PA2-100

