



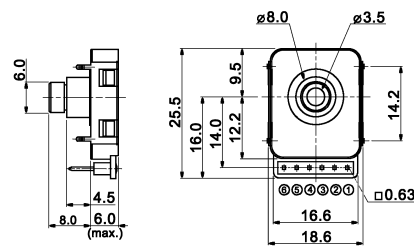
Optical Encoder

Specifications:

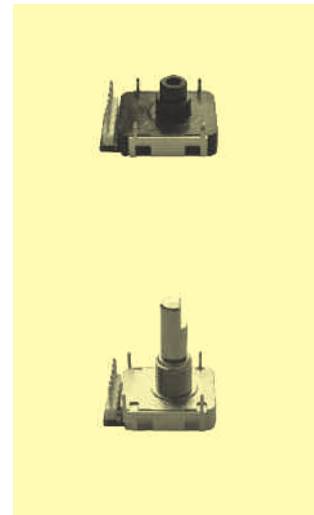
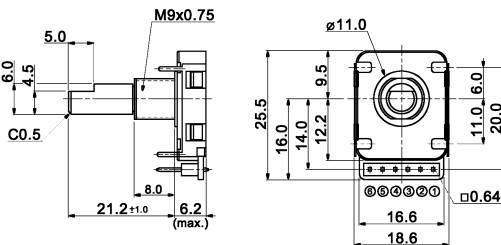
Power supply:	3.3 or 5 V DC (+/- 5%), 20 mA max.
Insulation resistance:	>100 MΩ
Dielectric strength:	300 V, 50 Hz for the duration of 1 minute
Operating temperature:	-20 °C to +70 °C
Rotational torque:	0.5 ± 0.2 Ncm
Pulses/Detents per turn:	6/0, 6/24, 16/0, 16/16, 24/0, 24/24
Frequency response:	100 Hz max.
Electrical life:	> 1 000 000 turns
Pushbutton:	Contact rating: 12 V DC, 10 mA, min. 0.1 mA
	Contact resistance: <10 Ω
	Operating force: 5 ± 2 N
	Mechanical Life: > 1 000 000 cycles
	Travel: 0.3 or 1 mm
Mounting:	on pc-board with pin-contact
	single hole mounting M 9 x 0.75
Soldering conditions:	wave soldering, max. 5 s, 260 °C, pre-heat max. 60 s, 100 °C

Models:

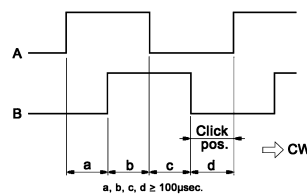
MEOP 19 VGP-06C-P2R08-PF-3F



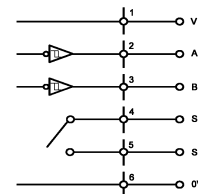
MEOP 19 VGM-24C-M2F21-PF-5F



Output signal format:



Pin assignment:



4 location pins:

- F front
- R rear
- N none

Ordering code:

MEOP 19 [] [] [] - [] [] [] - [] [] [] - [] [] []

Shaft direction:

- H horizontal
- V vertical

Case material:

- M metal
- P plastic

Detents:

- C with
- N no detent

Shaft diameter:

- 1 6.35 mm
- 2 6.00 mm
- 3 4.00 mm

Shaft length:

- 08 8 mm
- 17 17 mm
- 21 21 mm
- other on request

Voltage:

- 3 3.3 V
- 5 5 V

Switch travel:

- D 1 ± 0.2 mm
- G 0.3 ± 0.05 mm

Pulse:

- 06
- 16
- 24

Shaft material:

- M metal
- P plastic

Shaft typ:

- F flat
- R round

Connector direction:

- F front
- R rear

Connector type:

- P pin-header
- Y (*)
- T (**)

(*) Molex 5264 -06 (or compatibel) with 100 mm cable
 (**) AMP 215083-6 (or compatibel) with 100 mm cable