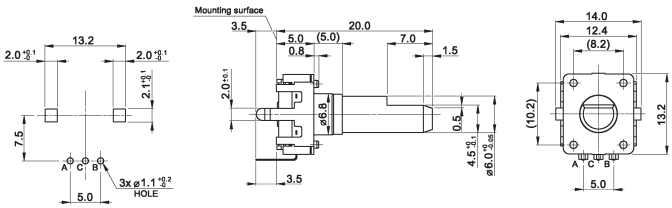
Specifications:

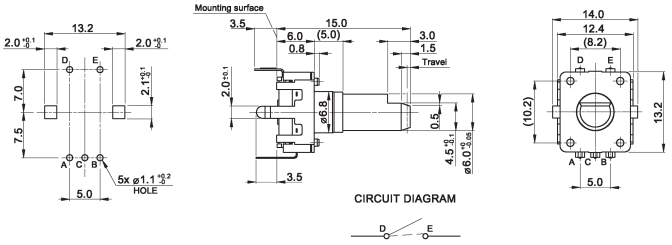
Contact rating:	5 V DC, 0.5 mA
Insulation resistance:	>100 MΩ
Dielectric strength:	300 V, 50 Hz for the duration of 1 minute
Operating temperature:	–10 °C to +70 °C
Rotational/Detent torque:	0.5 N/2.0 Ncm
Pulses/Detents per turn:	12/24 or 24/24 (12/12, 12/0, 24/0 on demand)
Mechanical life:	>30 000 cycles
Pushbutton (optional):	actuation force 3 N, travel 0.5 mm, life > 20 000 operations
Contacts:	silver-plated
Terminals:	silver-plated
Mounting:	on pc-board
	single hole mounting, bushing M 9 x 0.75
Soldering conditions:	wave-soldering – max.: 5 sec, 260 °C

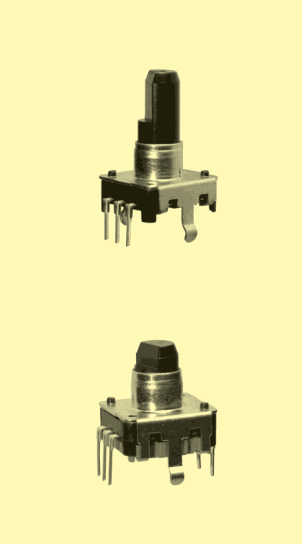
Models:

MER12-24120

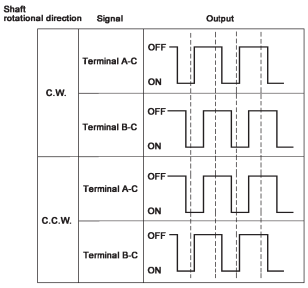


MERP12-24115





Output signal format:



Ordering code 12 mm Encoder:

MER ☐ 12 ☐ ☐ ☐ ☐ - ☐

Pushbutton:
- ☐ without
- P with

Shaft type:
- 1 flat

Thread:
- ☐ without
- M9 with

Pulses/Detents:
- 12 12 / 24
- 12N 12 / none
- 12P 12 / 12
- 24 24 / 24
- 24N 24 / none

Shaft length:
- 8.5 8.5 mm
- 15 15.0 mm
- 17.5 17.5 mm
- 20 20.0 mm
- 25 25.0 mm

Shaft orientation:
- ☐ vertical
- R horizontal