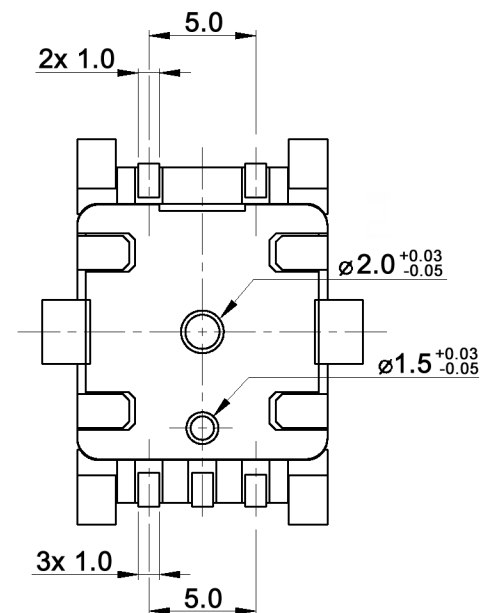
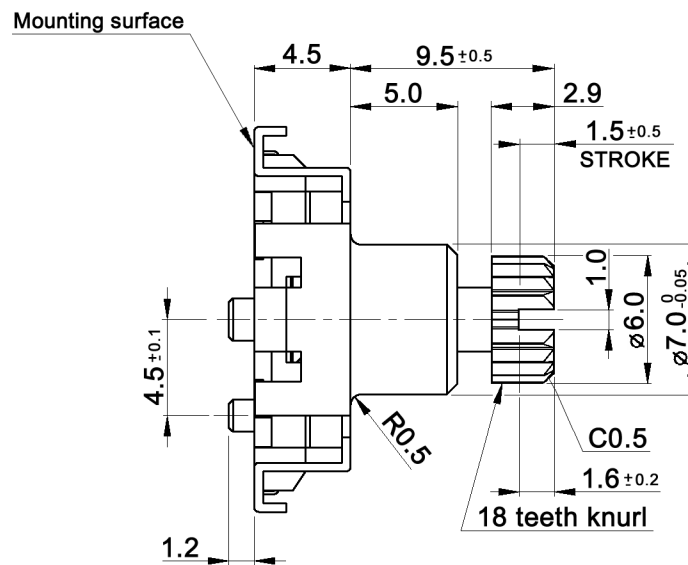
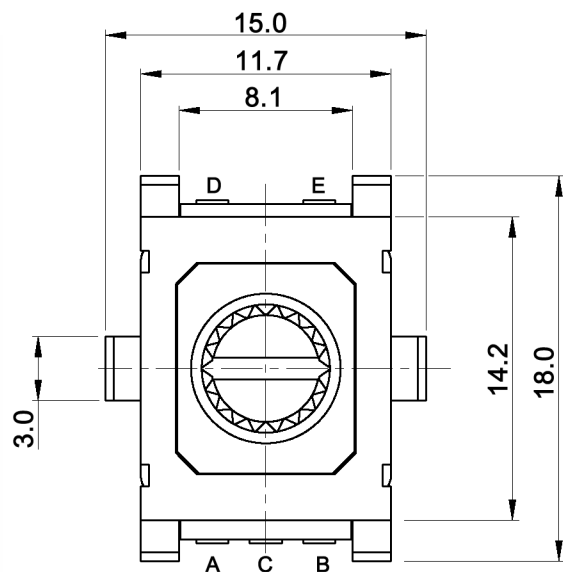
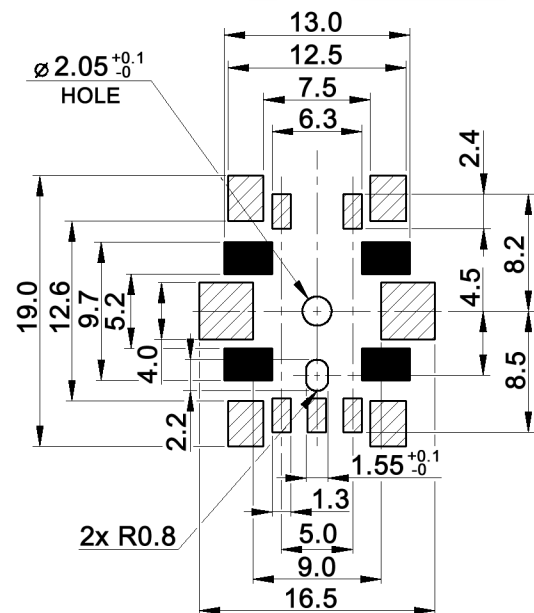
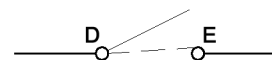




P.C. MOUNTING



CIRCUIT DIAGRAM

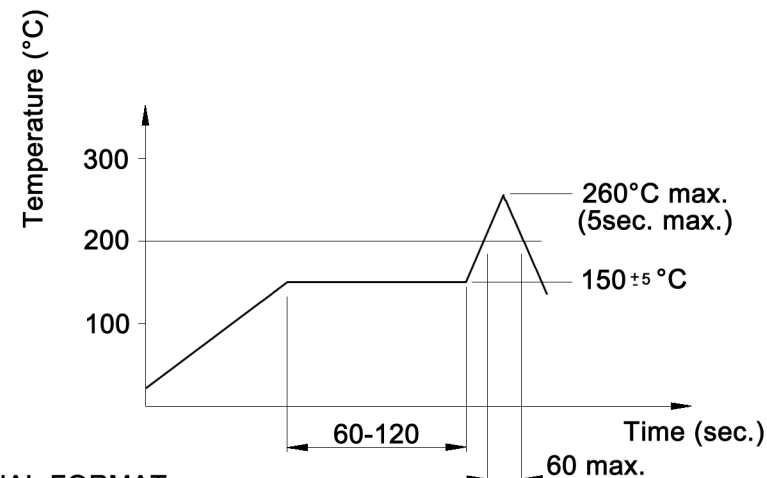


Tolerances: ≤10: ±0.3mm 10-100: ±0.5mm			Date	Name	MERPS11-15295-1.5	
			04/10	dr		
					knitter-switch	
					30 20 83	
Output signal format	03/11	dr				Page
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Specifications:

Contact rating: 10mA, 5V DC (1mA min.)
 Contact resistance: initial max. 100mOhm; after rotational life max. 200mOhm
 Insulation resistance: 100MOhm min. at 250V DC / 1mA
 Vibration resistance:
 frequency sweep 10-55-10Hz for 60sec./cycle;
 total implitude 1.5mm in direction of operation and
 2 other vertical directions; 2hours each direction
 Shock resistance:
 half sine, acceleration 50g for 11 +/-1ms on 6 sides
 3 times in each direction
 Dielectric strength: 300V AC for 1 minute
 Operating temperature: -40°C to +85°C
 Storage temperature: -40°C to +85°C
 Rotational life: 15 000 cycles
 Detent torque: 10 +/-7mNm
 Resolution: 15 pulses
 No. of detents: 30 detents; step angle: 12° +/-3°
 Bounce (at 60rpm): max. 2ms
 Phase difference: min. 4ms (at 60rpm)
 Switch:
 Travel: 0.5^{+0.4}_{-0.3} mm
 Mechanical life: 20 000 cycles
 Operating force: 4 +/-2N
 allowed force in push-/pull-direction:
 100N max. for 10sec. max.

Soldering conditions:



OUTPUT SIGNAL FORMAT

Shaft rotational direction	Signal	Output
C.W.	Terminal A-C	OFF ON
	Terminal B-C	OFF ON
C.C.W.	Terminal A-C	OFF ON
	Terminal B-C	OFF ON



Tolerances: ≤10: ±0.3mm 10-100: ±0.5mm			Date	Name	MERPS11-15295-1.5	
			04/10	dr		
					knitter-switch	
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					Page	
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Modifications	Date	Name				