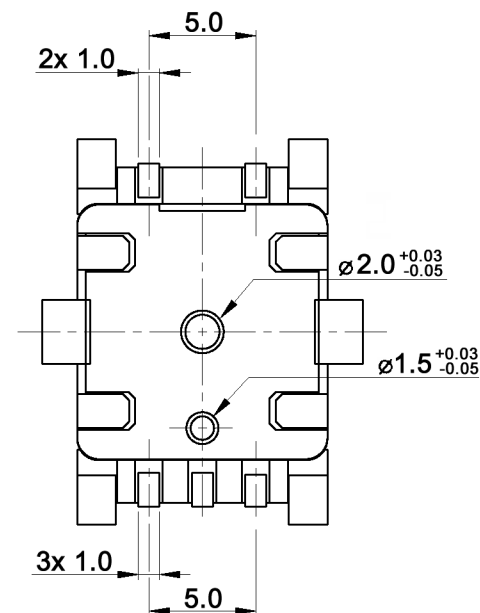
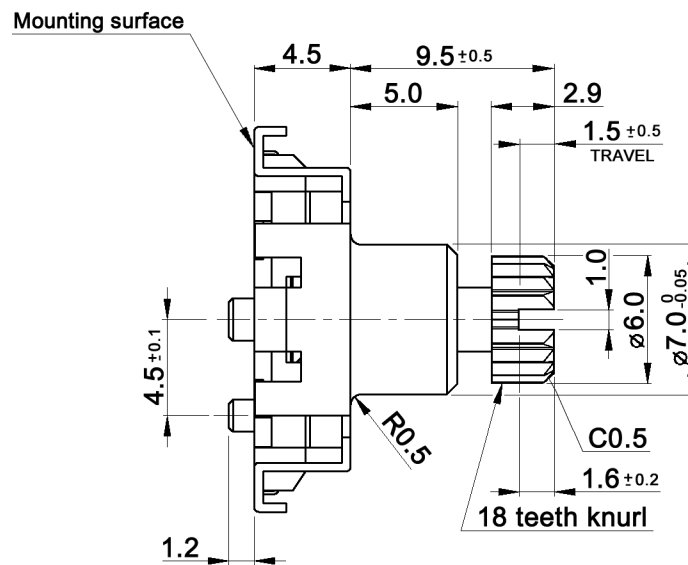
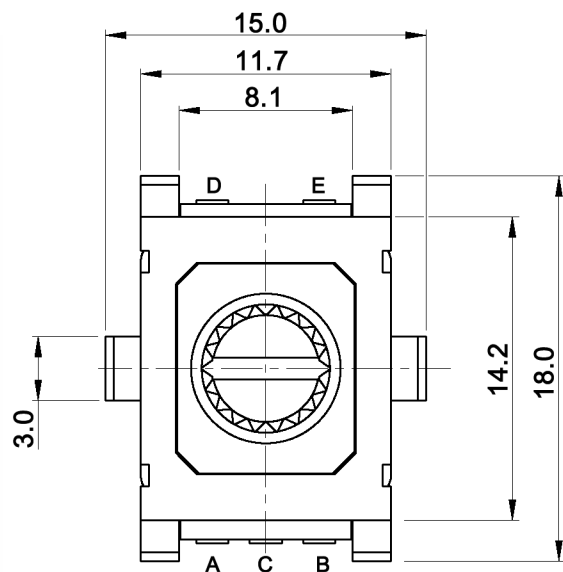
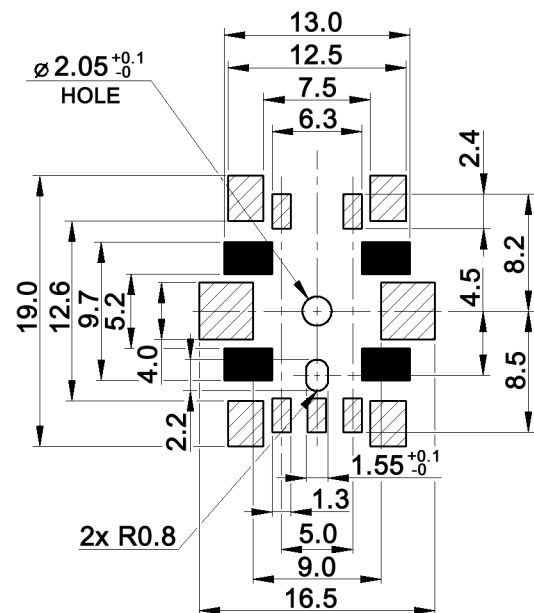
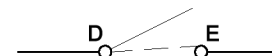




P.C. MOUNTING



CIRCUIT DIAGRAM



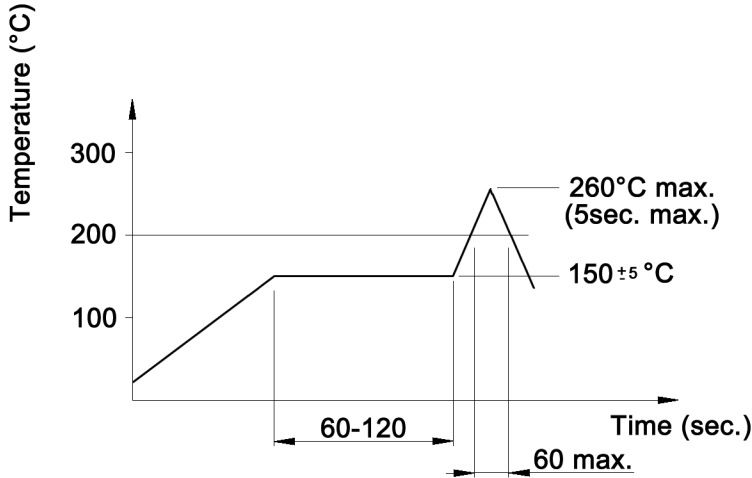
Compliance: RohS III (2015/863/EU)

Tolerances: ≤10: ±0.3mm 10-100: ±0.5mm			Date	Name	MERPS11-15295-1.5	
			04/10	dr		
Travel	11/25	dr	knitter-switch		30 20 83	Page
Output signal format	03/11	dr				1/2
Modifications	Date	Name				

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:
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

Compliance: RohS III (2015/863/EU)

Tolerances: ≤10: ±0.3mm 10-100: ±0.5mm			Date	Name	MERPS11-15295-1.5		
			04/10	dr			
			knitter-switch		30 20 83		Page
Travel	11/25	dr					
Output signal format	03/11	dr					2/2
Modifications	Date	Name					