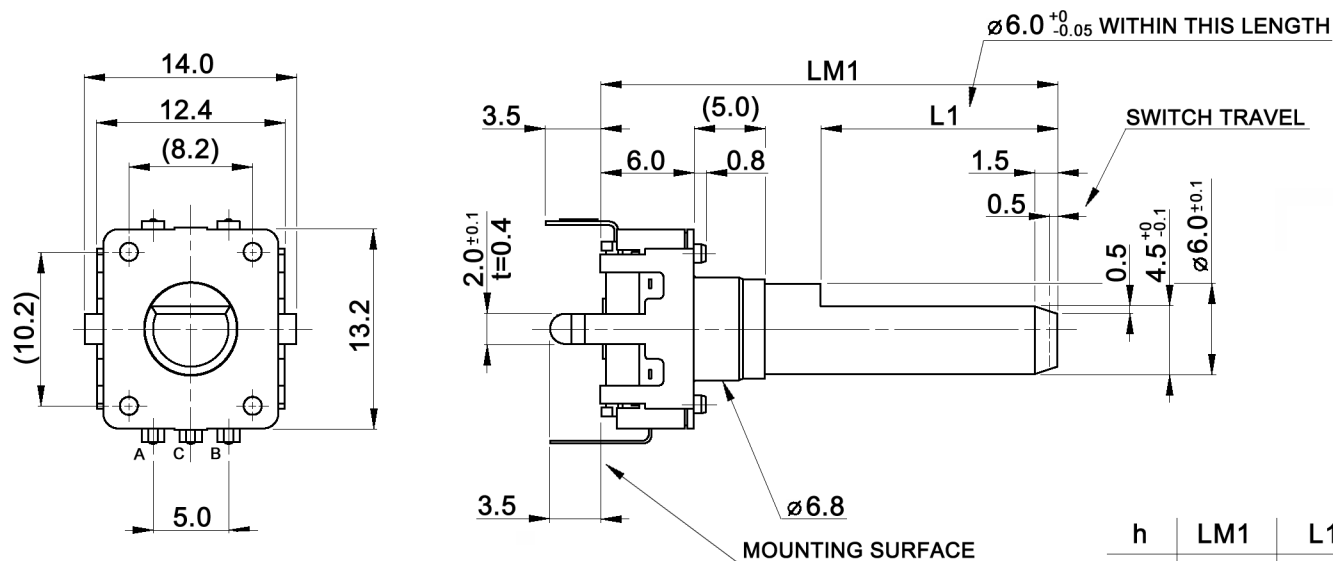
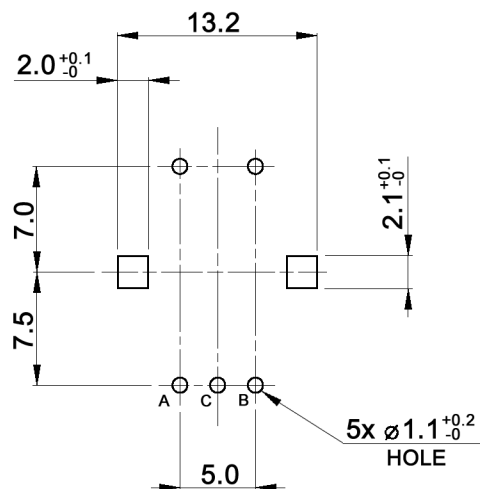




P.C.B. MOUNTING HOLE DETAIL
VIEWED FROM MOUNTING SIDE

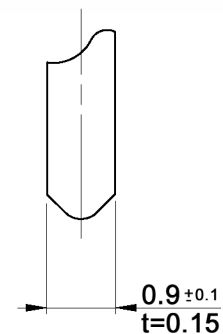


h	LM1	L1
15	15.0	3.0
17.5	17.5	5.0
20	20.0	7.0
25	25.0	12.0
30	30.0	12.0

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

TERMINAL DETAIL



Compliance: RohS II (2011/65/EU)

Tolerances: ≤ 10 : $\pm 0.3\text{mm}$ 10 - 100: $\pm 0.5\text{mm}$			Date	Name	MERP12-241h	
			07/09	dr		
Revised	10/15	dr			knitter-switch	
Specifications	10/15	dr				
Revised	06/15	dr				
Rename	03/11	dr				
Shaft flat	11/09	dr				
Modifications	Date	Name			30 18 79	
					Page	1/2

Specifications:

Contact rating: 10mA (50µA min.), 5V DC
 Contact resistance: 100mOhm max. initial
 Insulation resistance: 10MOhm min.
 Dielectric strength: 300V AC for 1 minute
 Operating temperature: -40°C to +85°C
 Mechanical life: 20 000 cycles (360° cw plus 360° ccw)
 Shaft push / pull force: 5kgf max. for 10sec. max.
 Chattering / bounce: ≤3ms / ≤2ms
 Rotate force: 0.5Ncm to 2Ncm with detent
 Switch operating force: 300gf +150/-100gf
 Switch travel: 0.5 +0.4/-0.3mm
 Switch mechanical life: 25 000 cycles
 Operating angle: 360° - endless
 Resolution: 24 detents / 24 pulses
 Soldering conditions: auto-soldering: 260 +/-5°C, 3sec. max.
 Material metal frame: steel plate, tin coating
 Packaging unit: 1000 pcs./bag

Compliance: RohS II (2011/65/EU)

Tolerances: ≤ 10: ±0.3mm 10 - 100: ±0.5mm		Date	Name	MERP12-241h	
		07/09	dr		
				knitter-switch	
Modifications	Date	Name		30 18 79	Page
					2/2