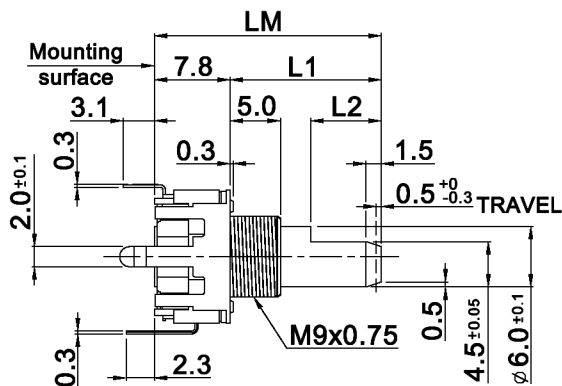
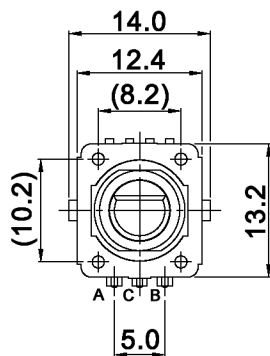
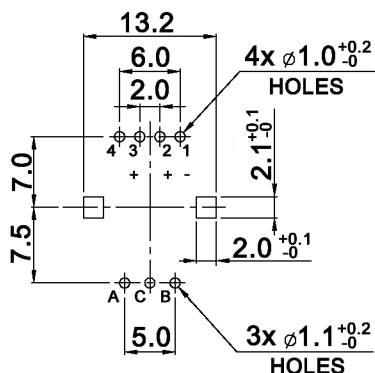


h	LM	L1	L2
18.5	18.8	11.0	5.0
21	21.3	13.5	7.0
26	26.3	18.5	12.0
31	31.3	23.5	12.0

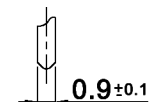
P.C.B. MOUNTING
(TOLERANCE ± 0.1)
VIEWED FROM MOUNTING SIDE
 $t=1.5\text{mm}$



Specifications:

Contact rating:	0.5mA, 5V DC
Contact resistance:	100mOhm max.
Insulation resistance:	100MOhm min. at 250V DC
Dielectric strength:	300V AC for 1 minute
Operating temperature:	-40°C to +85°C
Resolution:	12 pulses / 360° for each phase
Detent torque:	30-200gf.cm
No. and pos. of detents:	12 detents; step angle: 30° +/-3°
Rotational life:	30 000 cycles
Soldering conditions:	260 +/-5°C, 5 +/-1sec.
Switch:	Switch rating: 10mA, 5V DC Mechanical life: 20 000 cycles Operating force: 450 +/-200gf

TERMINAL DETAIL



Compliance: RohS III (2015/863/EU)

Tolerances: ≤10: ±0.3mm 10-10: ±0.5mm			Date	Name	MERP12-12P1hM9xx			
			02/12	dr				
			knitter-switch			30 25 52		Page
Case height	06/22	dr						
Rename	07/14	dr						1/2
Modifications	Date	Name						

Page

1/2

LED CHARACTERISTIC

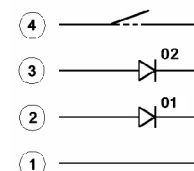
LED colour		Power dissipation (mW)	DC Forward current (mA)	Test conditions IF=20mA	
				Forward voltage (V)	
				Typ.	Max.
blue / orange	blue	105	30	3.3	4.0
	orange	75	30	2.1	2.5
green / red	green	120	30	3.2	4.0
	red	75	30	1.95	2.5
blue / green	blue	120	30	3.3	4.0
	green	120	30	3.2	4.0

xx	LED colour	
	01	02
BO	blue	orange
BG	green	blue
GR	red	green

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

CIRCUIT DIAGRAM



Compliance: RohS III (2015/863/EU)

Tolerances: ≤10: ±0.3mm 10-10: ±0.5mm			Date	Name	MERP12-12P1hM9xx	
			02/12	dr		
					30 25 52	
Case height	06/22	dr	knitter-switch			Page
Rename	07/14	dr				2/2
Modifications	Date	Name				