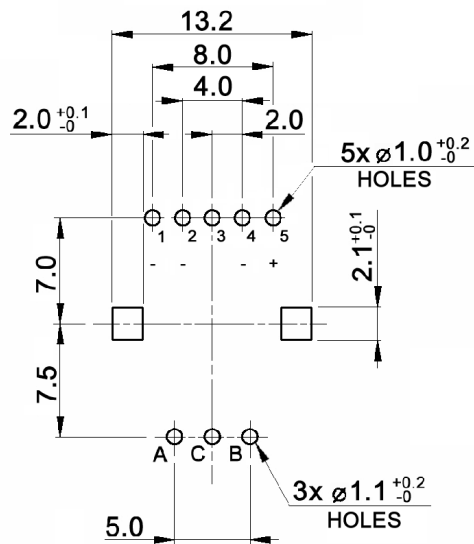


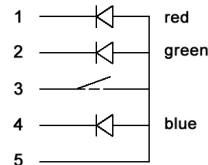
OUTPUT SIGNAL FORMAT

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

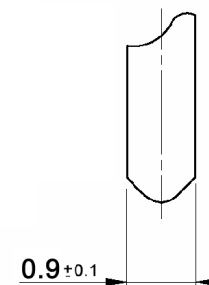
P.C.B. MOUNTING
(TOLERANCE ±0.1)
VIEWED FROM MOUNTING SIDE
t=1.5mm



CIRCUIT DIAGRAM



TERMINAL DETAIL



Tolerances: ≤10: ±0.3mm 10-100: ±0.5mm		Date	Name	<h1>MERP12-24225 M</h1>
		12/09	dr	
Output signal format	03/11	dr	<h2>knitter-switch</h2>	<h1>30 19 83</h1>
LED specification	01/11	dr		
Modifications	Date	Name		Page 1/2

Specifications:

Contact rating: 10mA, 5V DC (1mA min.)
 Contact resistance: 100mOhm max.
 Insulation resistance: 100MOhm min. at 250V DC / 1mA
 Dielectric strength: 300V AC for 1 minute
 Operating temperature: -40°C to +85°C
 Rotational life: 30 000 cycles
 Detent torque: 3-20mNm
 No. of detents: 24 detents; step angle: 15° +/-3°
 Soldering conditions: 260 +/-5°C, 3 +/-1.0sec.
 Switch: Travel: 0.5⁺⁰_{-0.3} mm
 Mechanical life: 20 000 cycles
 Operating force: 4.5 +/-2N

LED characteristic:

Emitted color		Power dissipation (mW)	DC Forward Current (mA)	Test conditions	
				IF=20 mA	
				Forward voltage (V)	
				Typ	MAX
Red/Green/Blue	Red	60	25	2.0	2.4
	Green	110	25	3.3	3.7
	Blue	110	25	3.3	3.7



Tolerances: ≤10: ±0.3mm 10-100: ±0.5mm		Date	Name	MERP12-24225 M
		12/09	dr	
				knitter-switch
				30 19 83
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				2/2
Modifications	Date	Name		