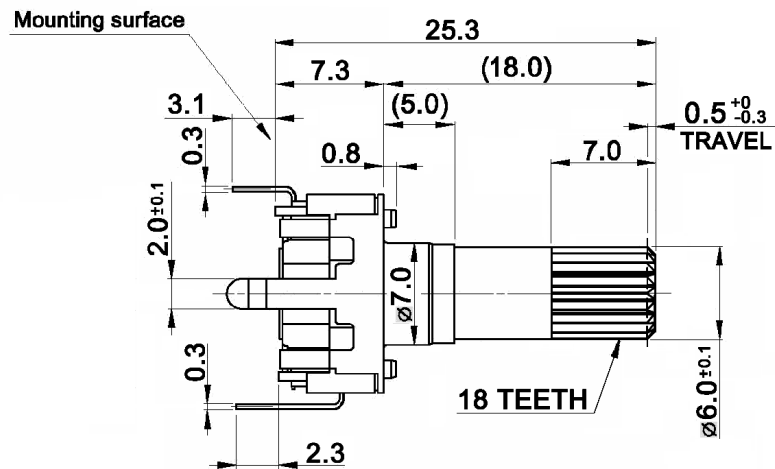
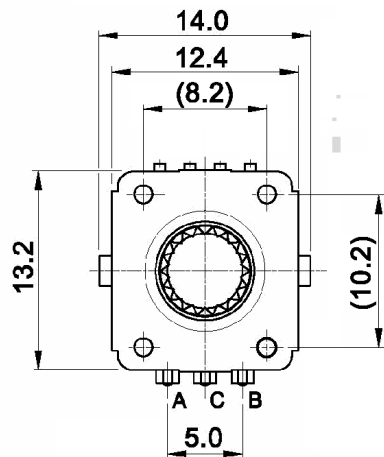
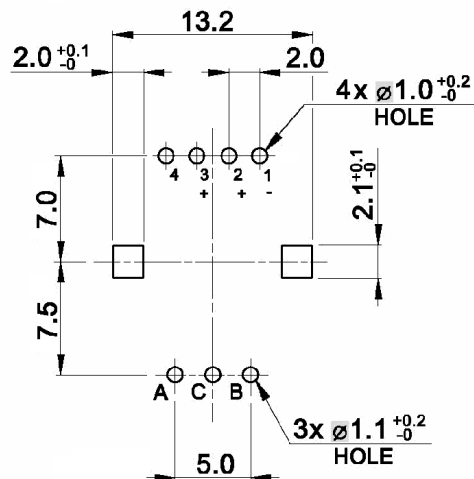


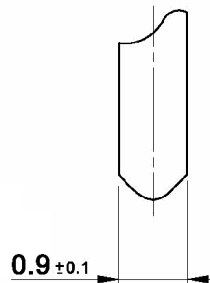
OUTPUT SIGNAL FORMAT

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 $t=1.4\text{mm}$



TERMINAL DETAIL



Compliance: RohS III (2015/863/EU)

Tolerances: ≤ 10 : $\pm 0.3\text{mm}$ 10-100: $\pm 0.5\text{mm}$			Date	Name
LED circuit	11/23	dr	11/08	dr
Case height	06/22	dr		
New colors	12/17	dr		
Output signal format	03/11	dr		
LED data	08/10	dr		
LED colors	07/09	dr		
Modifications	Date	Name		

MERP12-24225xx

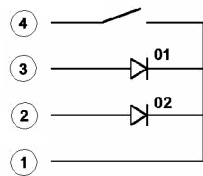
knitter-switch

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CIRCUIT DIAGRAM



"xx"	LED color	Pin
GO	green	(1)(2)
	orange	(1)(3)
BR	blue	(1)(2)
	red	(1)(3)
WR	white	(1)(2)
	red	(1)(3)
OB	orange	(1)(3)
	blue	(1)(2)
GR	green	(1)(2)
	red	(1)(3)
BG	blue	(1)(2)
	green	(1)(3)
WG	white	(1)(2)
	green	(1)(3)

LED color		Power dissipation (mW)	DC Forward Current (mA)	Test conditions IF=20 mA		
				Forward voltage (V)		
				MIN	Typ	MAX
Green/ Orange	Green	95	25	2.7	3.3	3.7
	Orange	60	25	1.7	2.0	2.4
Blue/Red	Blue	75	20	2.7	---	3.3
	Red	60	25	1.7	---	2.4
White/Red	White	75	20	2.7	---	3.7
	Red	60	25	1.75	---	2.35
Orange/Blue	Orange	60	25	1.7	2.0	2.4
	Blue	75	20	2.7	3.3	3.7
Green/Red	Green	95	25	2.7	3.3	3.7
	Red	60	25	1.7	2.0	2.4
Blue/Green	Blue	75	20	2.7	3.3	3.7
	Green	95	25	2.7	3.3	3.7
White/Green	White	75	20	2.7	---	3.7
	Green	60	25	1.7	---	2.4

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:	0.3-2 Ncm
No. of detents:	24 detents; step angle: 15° +/-3°
No. of pulses:	24
Soldering conditions:	260 +/-5°C, 3 +/-1.0sec.
Switch:	Travel: 0.5 ⁺⁰ _{-0.3} mm
	Mechanical life: 20 000 cycles
	Operating force: 4 +/-2N

Compliance: RohS III (2015/863/EU)

Tolerances: ≤10: ±0.3mm 10-100: ±0.5mm			Date	Name	MERP12-24225xx				
			11/08	dr					
LED circuit	11/23	dr							
Case height	06/22	dr							
New colors	12/17	dr							
Output signal format	03/11	dr	knitter-switch			30 16 51			Page
LED data	08/10	dr							
LED colors	07/09	dr							
Modifications	Date	Name							2/2