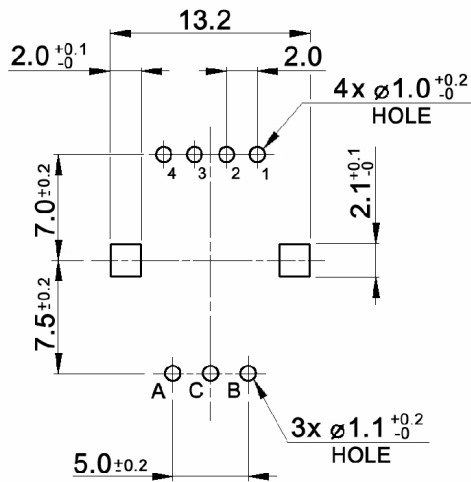


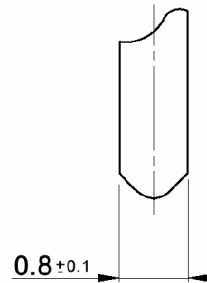
### Output signal format

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. MOUNTING t=1.5mm

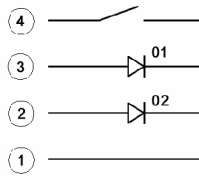


### TERMINAL DETAIL



Tolerances: ≤10: ±0.3mm 10-100: ±0.5mm		Date	Name	<h1>MERP12-12225xx</h1>
		11/08	dr	
		<b>knitter-switch</b>		<h2>30 16 50</h2>
LED colors	07/09	dr		Page
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CIRCUIT DIAGRAM



"xx"	LED color	
	01	02
OB	orange	blue
BG	green	blue
GR	red	green

LED color	Power dissipation (mW)	DC Forward current (mA)	Peak forward current (mA)	Item IF=20mA	Typ (V)	Max. (V)
red	170	30	185	forward voltage	1.95	2.5
orange	75	30	195	forward voltage	2.1	2.5
blue	105	30	150	forward voltage	3.3	4.0
green	105	25	130	forward voltage	3.1	3.8

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: 5 +/-3mNm  
 No. of detents: 12 detents; step angle: 30° +/-3°  
 Soldering conditions: 260 +/-5°C, 3 +/-1.0sec.  
 Switch: Travel: 0.5<sup>+0</sup>/<sub>-0.3</sub> mm  
 Mechanical life: 20 000 cycles  
 Operating force: 4 +/-2N



Tolerances: ≤10: ±0.3mm 10-100: ±0.5mm	Date	Name	<h1>MERP12-12225xx</h1>
	11/08	dr	
Modifications	Date	Name	

**knitter-switch**

**30 16 50**

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