

DIAGNOSTIC MODES			
FAILURE	V_{out} ANALOG R_{pull-up}	V_{out} ANALOG R_{pull-down}	V_{out} PWM R_{pull-up} = 1 kΩ V_{pull-up} = V_{supply} = 5 V
1: Broken GND	Diagnostic high area	Diagnostic low area	> 97 % V _{supply} without modulation
2: Broken V _{out}	Diagnostic high area	Diagnostic low area	> 97 % V _{supply} without modulation
3: Broken V _{supply}	Diagnostic high area	Diagnostic low area	> 97 % V _{supply} without modulation
Over Voltage V _{supply} > 7 V	Diagnostic high area	Diagnostic low area	> 97 % V _{supply} without modulation
Under Voltage V _{supply} < 2.7 V	Diagnostic high area	Diagnostic low area	> 97 % V _{supply} without modulation

\times Cut off

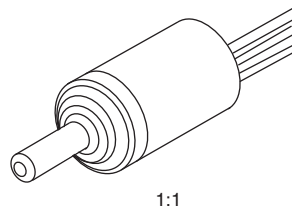
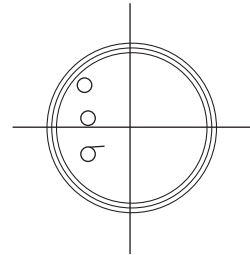
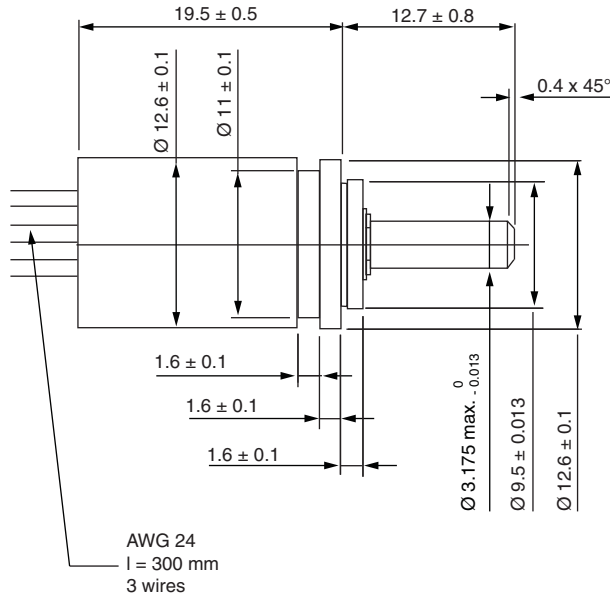
ENVIRONMENTAL SPECIFICATIONS	
Vibrations	20 g from 10 Hz to 2000 Hz, EN 60068-2-6
Shocks	3 shocks/axis; 50 g half a sine 11 ms, EN 60068-2-7
Operating temperature range	-40 °C; +125 °C
Life	> 50M of cycles
Rotational speed (max.)	120 rpm
Immunity to radiated electromagnetic disturbances	200 V/m 150 kHz/1 GHz, IEC 62132-2 part 2 (level A)
Immunity to power frequency magnetic field	200 A/m 50 Hz/60 Hz, EN 61000-4-8 (level A)
Radiated electromagnetic emissions	30 MHz/1 GHz < 30 dBμV/m, EN 61000-6-4 (level A)
Electrostatic discharges	Contact discharges: ± 4 kV Air discharges: ± 8 kV, EN 61000-4-2
MATERIALS	
Housing	Aluminum
Shaft	Stainless steel
Output	3 lead wires (AWG 24)

Note

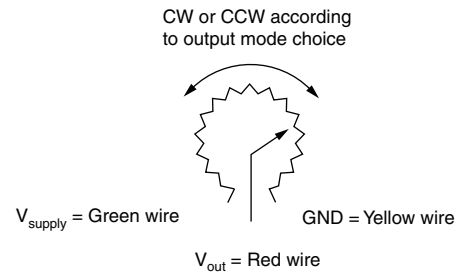
- Nothing stated herein shall be construed as a guarantee of quality or durability.



DIMENSIONS in millimeters



General tolerance: ± 0.5 mm



View from shaft side