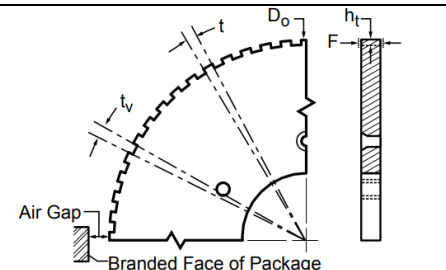


Reference Target Ideal Dimensions

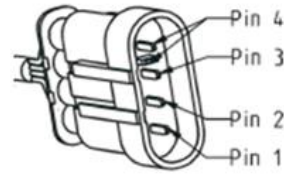
Characteristics	Symbol	Description	Value	Symbol
Face width	F	Breadth of tooth, with respect to sensor	6mm	
Circular tooth length	t	Length of tooth, with respect to sensor; measured at D_0	3°	
Circular valley width	t_v	Length of valley, with respect to sensor; measured at D_0	3°	
Tooth depth	h_t	-	3mm	
Material		Low carbon steel	-	

TECHNICAL FEATURES

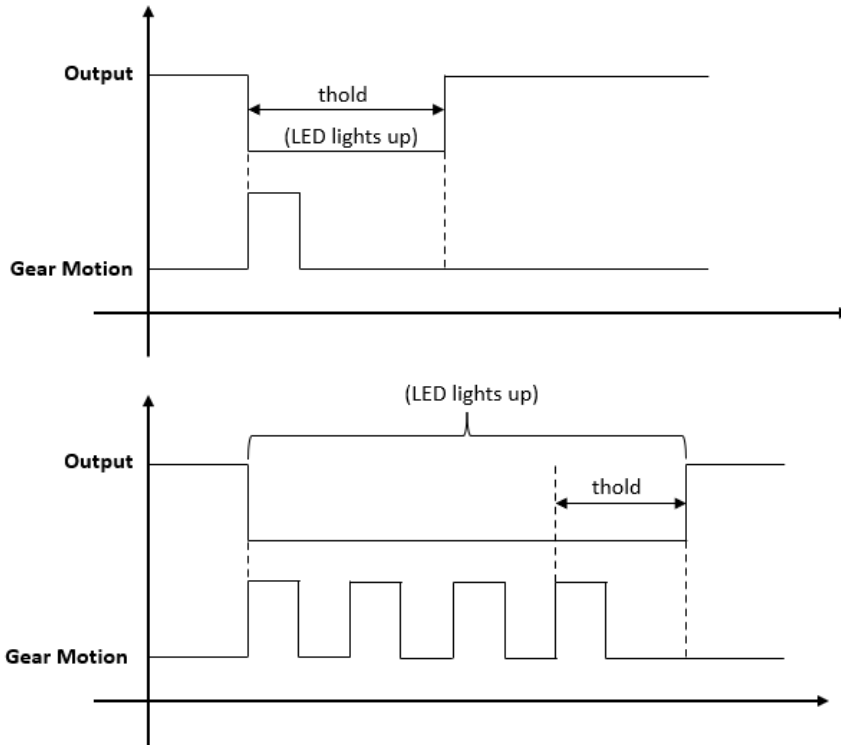
Operating Voltage	8...33VDC
Current Consumption	10 mA (w/o load)
Output Type	5V push-pull or 10V push-pull
Output high level (VoutHigh)	3,5V < VoutH < 5,5V (5V push-pull) 8,5V < VoutH < 10.5V (10V push-pull)
Output low level (VoutLow)	0V < VoutL < 0,7V
Output Current (nominal)	±2mA (Rload=2,5K) (5V push-pull) ±4mA (Rload=2,5K) (10V push-pull)
Output Current (max)	±4mA (short circuit with GND or Vcc) (5V push-pull) ±9,5mA (short circuit with GND or Vcc) (10V push-pull)
Thold	2,2 sn ±%10
Output switching characteristic	Speed=0: Vout=VoutH Speed>0: Vout=VoutL (On motion, LED lights up for the duration of thold)
Load capacity	≤5nF
Operating distance (D)	4,2 mm max.
Reverse polarity protection	Yes
Output short circuit protection	Yes
Operating temperature	-35°C...+85°C
Storage temperature	-40°C...+105°C
Humidity	Max %100 r.f.
Electrical Connection	3 x 0.14 mm ² shielded cable and Superseal 4 pin connector

ELECTRICAL CONNECTION

SIGNAL	CABLE	SUPERSEAL CONN.
+V	Brown	Pin1
Digital Output	Blue	Pin2
-V	Black	Pin3
N/C	N/C	Pin4



OUTPUT GRAPH AND LED ACTIVATION STATUS



ORDER CODE

Model

AGS 10 - XXX - XXX - XXXX

Cable Length

Selectable up to 300 cm

Output Type

5V: 5V push-pull
10V: 10V push-pull

Connector Type

S121: Superseal 4 pin connector
*Optional others

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