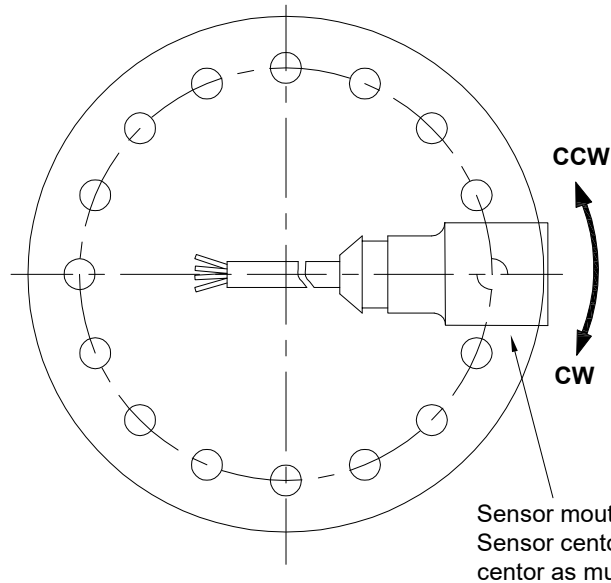
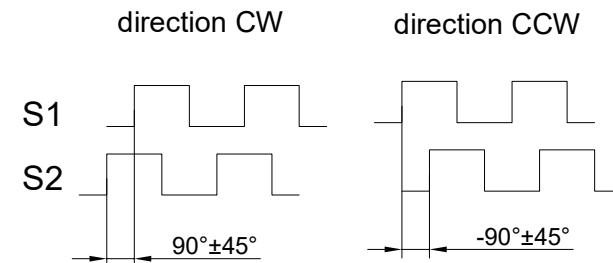


HALMERT will provide female connector without cable



Sensor mouting direction.
Sensor center face to hole center as much as possible.

Pulse diagram



Technical Parameters:

Housing: stainless steel 1.4305

Power supply range: 8-32V DC, reverse polarity protected

Frequency range: 0Hz-15kHz

Air gap: 1-3mm(recommend 1-2mm), for customer target (diameter of holes 6mm, depth >3mm, hole distance 2mm)

Current consumption: $I_{static} \leq 20mA$, $I_{load} \leq 60mA$

Output stage: push-pull, short circuit proof

Output voltage with load: $U_{high} > U_{supply} - 4V$, $U_{low} < 2.5V$

Operational temp. range: -40°C...+125°C(sensor head)

Insulation: Housing and channel galvantly separated, 500V DC, >100MΩ

Connector: 4 pins

Protection class: IP68(sensor head), IP67(connector)

Vibration: 20g in range of 5-750Hz

Shock: 100g for 20ms, half sine wave

EMC: please contact HALMERT for detailed information

Mounting: Max. tightening moment 12N.m

PN.: 90272	Material: 1.4305(housing)	Dimension mm	Copy right belong to HALMERT					
			Reference tolerance for undefined					
Dimension range			>0.5 -6	>6 -30	>30 -120	>120 -400	>400 -1000	>1000 -2000
Tolerance ±			0.1	0.2	0.3	0.5	0.8	1.2
Others No			Draw: HZ		Draw date: 17.07.23			
Rev. Date Sign.			Check: SZ		Check date: 17.07.23			
PART NAME			Rate: 3:2		Approve: VY		Approve date: 17.07.23	
Speed Sensor SY1220.01-HA			Format		Status	Doc. No.	Version	
			A4		Approved	90272-01	Rev.01	