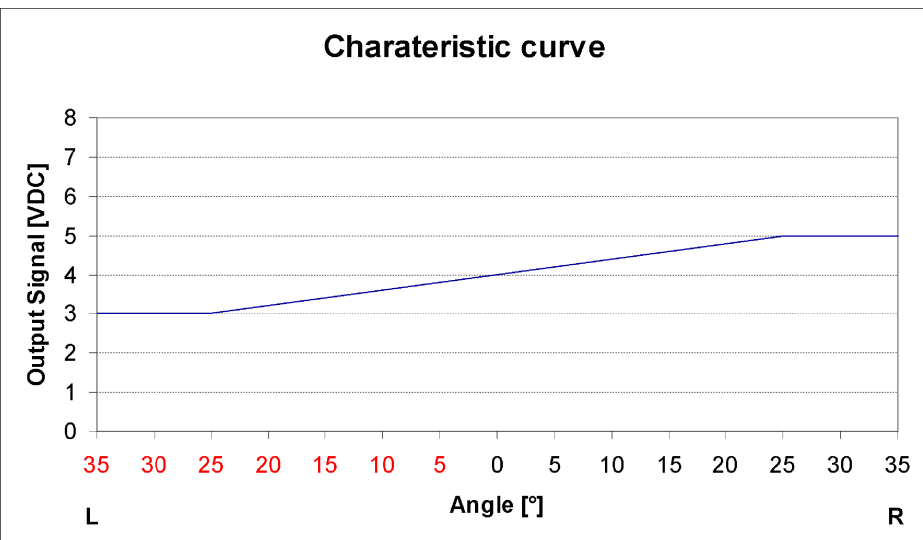


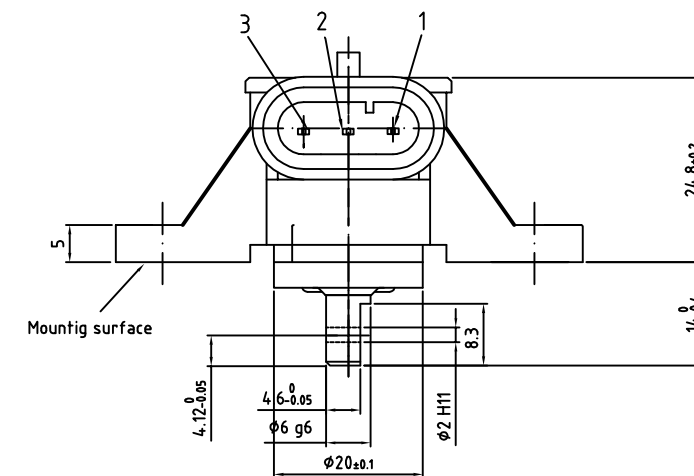
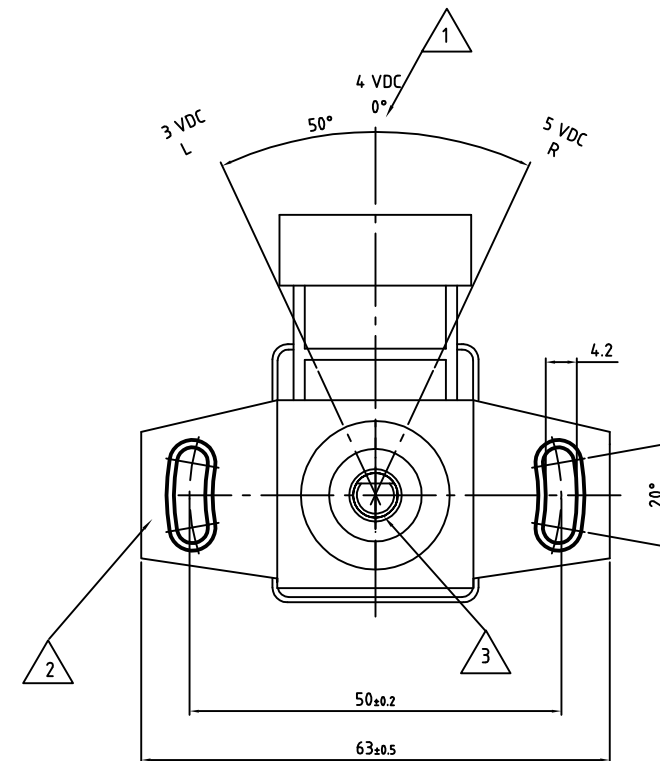
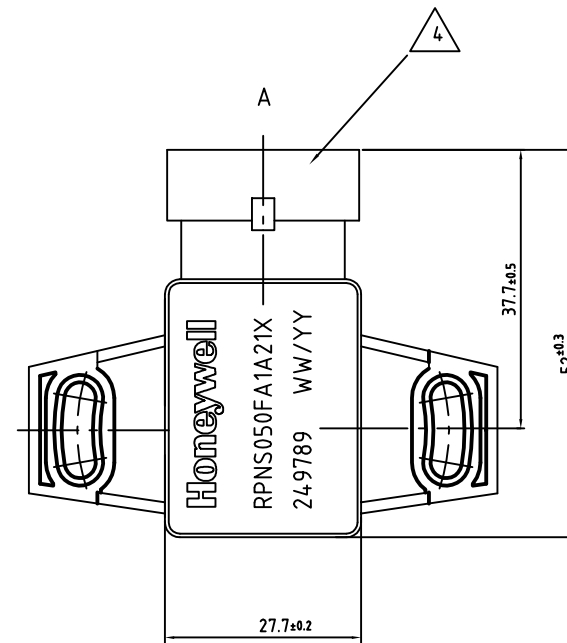
HONEYWELL PART NUMBER RPNS050FA1A21X
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REV	CHANGE DOCUMENT	CHANGED BY	CHECK
A	0040247	JA 01JUL08	ASD

Technical Data	
Function	Angular Sensor
Sensor principle	Contact-free, Hall effect
Measuring range	50°
Mechanical end stop	No
Supply voltage	10 – 30 VDC
Current consumption max.	20 mA
Output signal	
Angle /°	Output signal
L (25°)	3 VDC
0°	4 VDC
-R (25°)	5 VDC
Delay of the output signal	ca. 3 ms
Reverse polarity protection	Yes
Output	24h short –circuit proof
EMC	200V/m acc. to ISO 11452-3
Ambient conditions	
Operating temperature:	- 40°C bis + 85°C
Temperature range (storage)	- 40°C bis + 125°C
protection class	IP67 acc. to DIN 40050
Tightening torque of the mounting screw max.	2,5 Nm ± 0,5 Nm
Accuracy	±1,6% / 2mV/°
Hysteresis	None
Linearity	± 0,35°
Cycles of rotation	30 x 10 ⁶ cycles

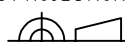


Pin configuration	
1	GND
2	Ub 10-30 VDC
3	3-5 VDC



$\phi 6$	g6	-0.004 -0.012	5.996 5.988
$\phi 2$	H11	+0.06 0	2.06 2
Dimension	Tolerance		

- | | | |
|---|--|----------|
|  | Zero point | $\phi 6$ |
|  | Housing Material
PA66 | $\phi 2$ |
|  | Shaft Material
Stainless Steel | Dimens. |
|  | Tab Connector acc. to AMP
Superseal 1.5 Series 282105
Shall mate with receptacle
Connector 282087-1 | |

DESIGN UNITS: MM TOLERANCES UNLESS NOTED: GEOMETRICAL TOLERANCE ACCORDING TO DIN ISO 1101 GENERAL TOLERANCES ACCORDING TO DIN 16901-130B	DRAWN	JA	19JUN08	Honeywell						
	CHECK	JLH	19JUN08							
	THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF HONEYWELL. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE PERMISSION OF HONEYWELL.			TITLE ANGULAR SENSOR ±25°						
	INTERPRET PER ASME Y14.5M-1994 OTHER HONEYWELL ENGINEERING STANDARDS MAY APPLY			SIZE A3	TYPE I	DRAWING NAME RPNS050FA1A21X				REV A
THIRD ANGLE PROJECTION 	AutoCad		2D	SCALE	-		SHEET	1	OF	1