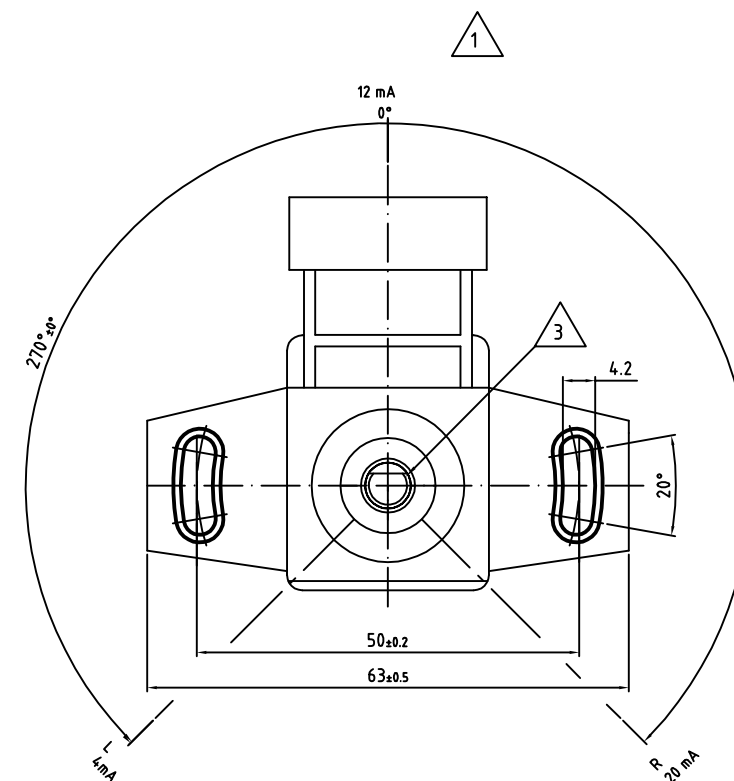
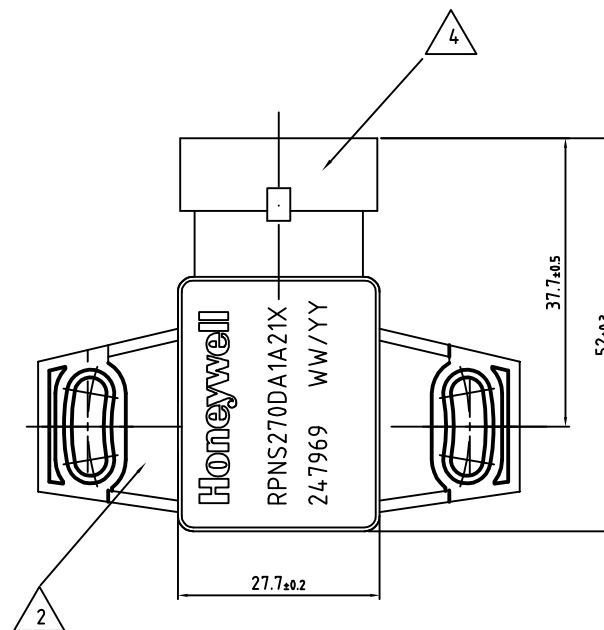


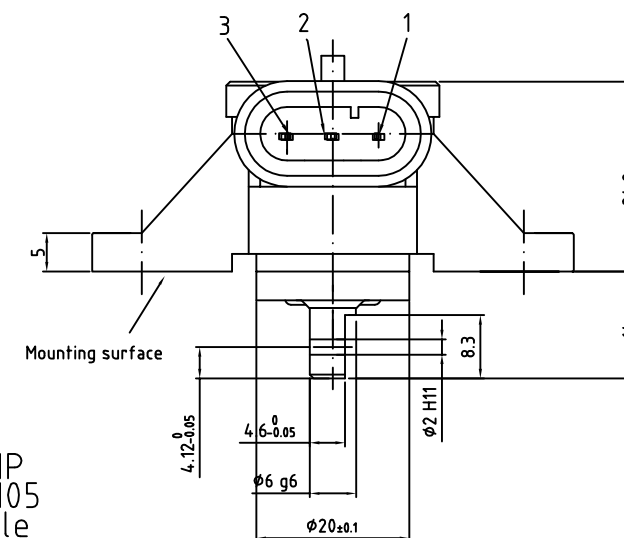
HONEYWELL PART NUMBER RPNS270DA1A21X
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REV	CHANGE DOCUMENT	CHANGED BY	CHECK
A	0040247	VS 23JUN08	BLR

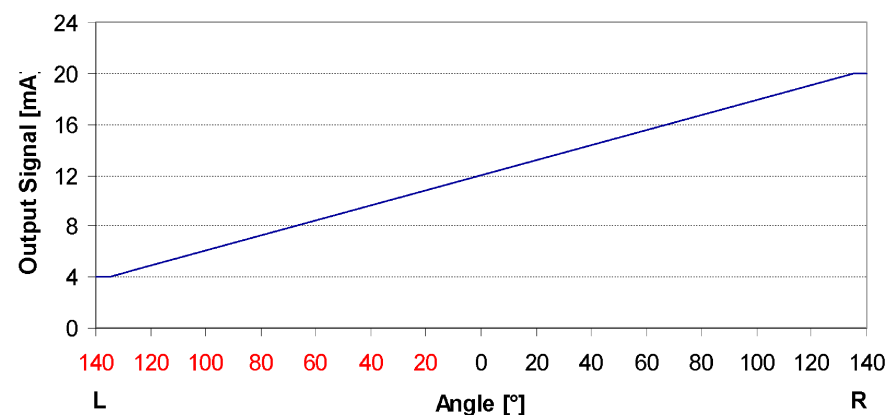
Technical Data	
Function	Angular Sensor
Sensor principle	Contact-free, Hall effect
Measuring range	270°
Mechanical end stop	No
Supply voltage	10 – 30 VDC
Current consumption max.	20 mA
Output signal	
Angle /°	Output signal
L (135°)	4 mA
0°	12 mA
R (135°)	20 mA
Delay of the output signal	ca. 3 ms
Reverse 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%
Hysteresis	None
Linearity	± 2°
Cycles of rotation	30 x 10 ⁶ cycles



ø6	g6	-0.004 -0.012	5.996 5.988
ø2	H11	+0.06 0	2.06 2
Dimension	Tolerance		



Charateristic curve



- 1 Zero point
- 2 Housing Material
PA66
- 3 Shaft Material
Stainless Steel
- 4 Tab Connector acc. to AMP
Superseal 1.5 Series 282105
Shall mate with Receptacle
Connector 282087-1

Pin configuration	
1	GND
2	Ub 10-30 VDC
3	4-20 mA

DESIGN UNITS: MM TOLERANCES UNLESS NOTED: GEOMETRICAL TOLERANCE ACCORDING TO DIN ISO 1101 GENERAL TOLERANCES ACCORDING TO DIN 16901-130B	DRAWN	MBH	18 JUN08	Honeywell				
	CHECK	JLH	18 JUN08					
	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.							
	INTERPRET PER ASME Y14.5M-1994 OTHER HONEYWELL ENGINEERING STANDARDS MAY APPLY			SIZE A3	TYPE I	DRAWING NAME RPNS270DA1A21X		REV A
THIRD ANGLE PROJECTION 	AUTOCAD 2D			SCALE -		SHEET		1 OF 1