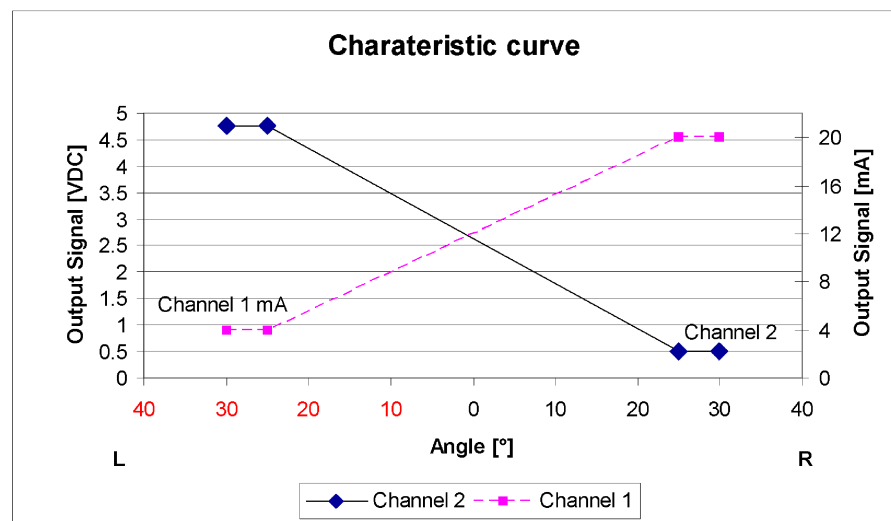
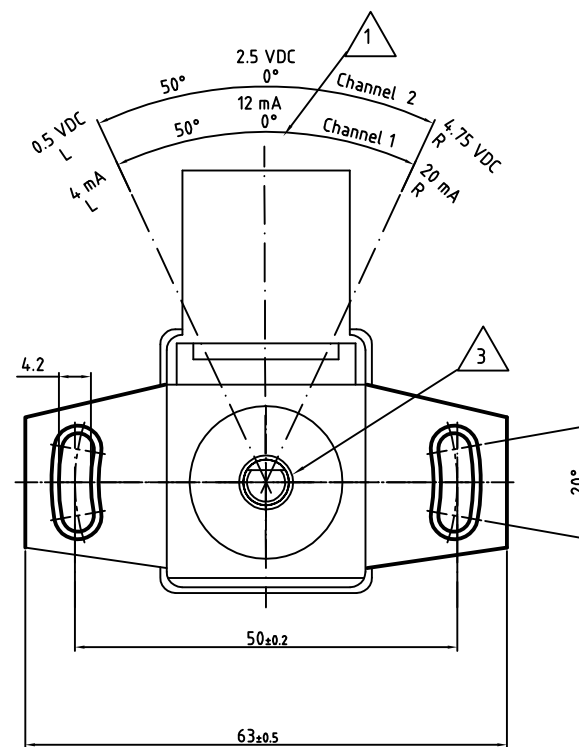
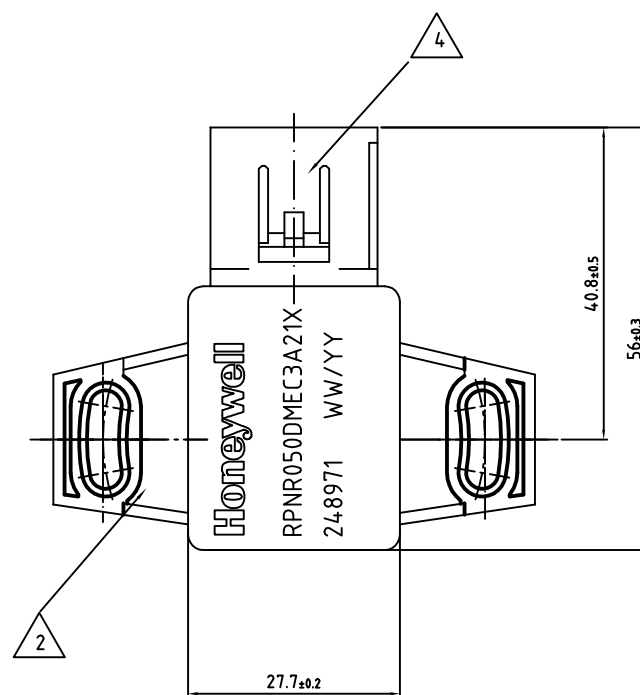


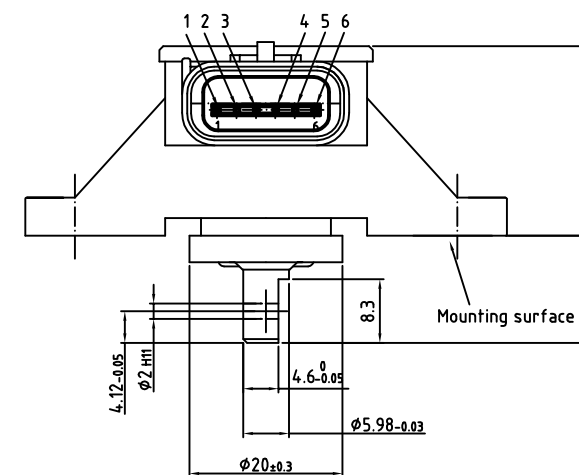
HONEYWELL PART NUMBER RPNR050DMEC3A21X
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REV	CHANGE DOCUMENT	CHANGED BY	CHECK
A	0040247	VS 23JUN08	BLR

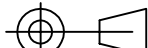
Technical Data	
Function	Angular Sensor
Sensor principle	Contact-free, Hall effect
Measuring range	50°
Mechanical end stop	None
Supply voltage Channel 1	8.5 VDC
Supply voltage Channel 2	5 VDC
Current consumption max.	20 mA
Output signal Channel 1	
Angle /°	Output signal
L (25°)	4 mA
0°	12 mA
R (25°)	20 mA
Output signal Channel 2	
Angle /°	Output signal
L (25°)	0,5 VDC
0°	2,5 VDC
R (25°)	4,75 VDC
Delay of the output signal	approx.. 3 ms
Reverse polarity protection	No
Output	24 h short-circuit proof
EMC	200 V/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	IP69K acc. to DIN 40050
Tightening torque of the mounting screw max.	2,5 Nm ± 0,5 Nm
Accuracy	± 1,6 %
Hysteresis	None
Linearity	± 0,35
Cycles of rotation	30 x 10 ⁶ cycles



-  Zero point
 -  Housing Material
PA66
 -  Shaft Material
Stainless Steel
 -  Tab Connector acc. to
AMP GET 1438199 Keying option A
Shall mate with Receptacle
AMP GET 1-1419168-1 Keying option A



Pin configuration	
Channel 1	
1	0V
2	Ub 8.5 VDC
3	4-20 mA
Channel 1	
1	0V
2	Ub 5 VDC
3	0.5-4.75 VDC

DESIGN UNITS: MM TOLERANCES UNLESS NOTED: GEOMETRICAL TOLERANCE ACCORDING TO DIN ISO 1101 GENERAL TOLERANCES ACCORDING TO DIN 16901-130B	DRAWN	JA	18JUN08	Honeywell				
	CHECK	JLH	18JUN08					
	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 RPNR050DMEC3A21X		REV A
THIRD ANGLE PROJECTION 	AutoCad		2D	SCALE	-	SHEET		1 OF 1