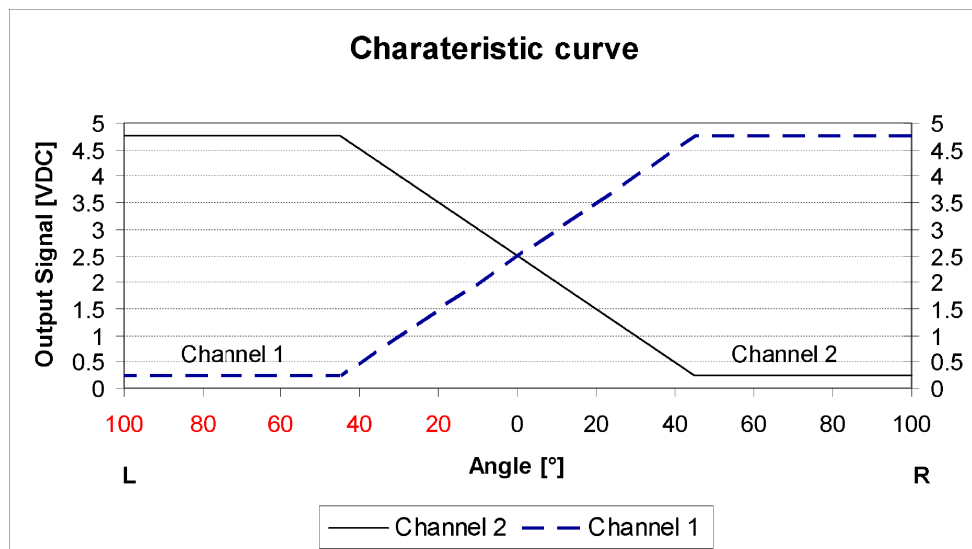


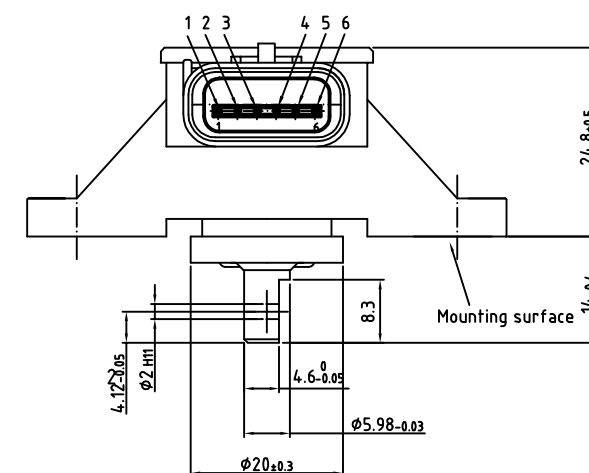
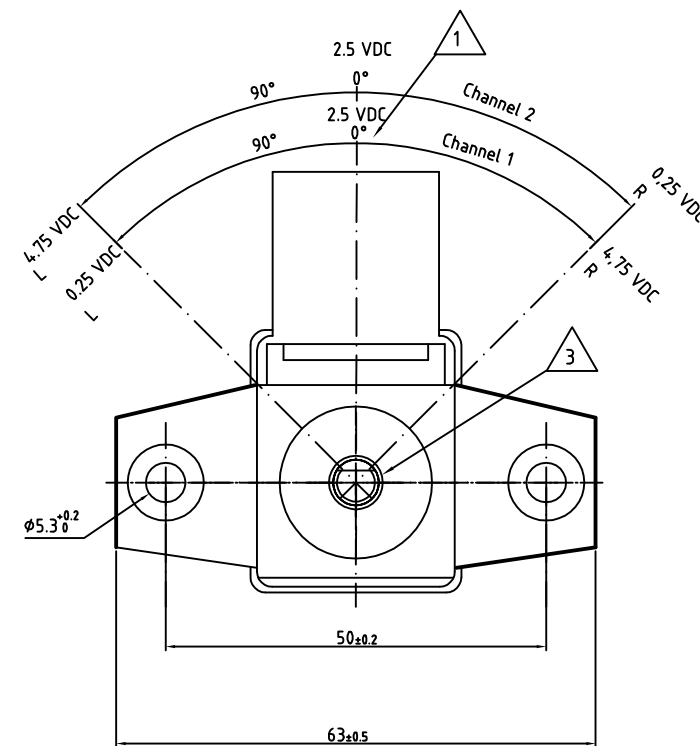
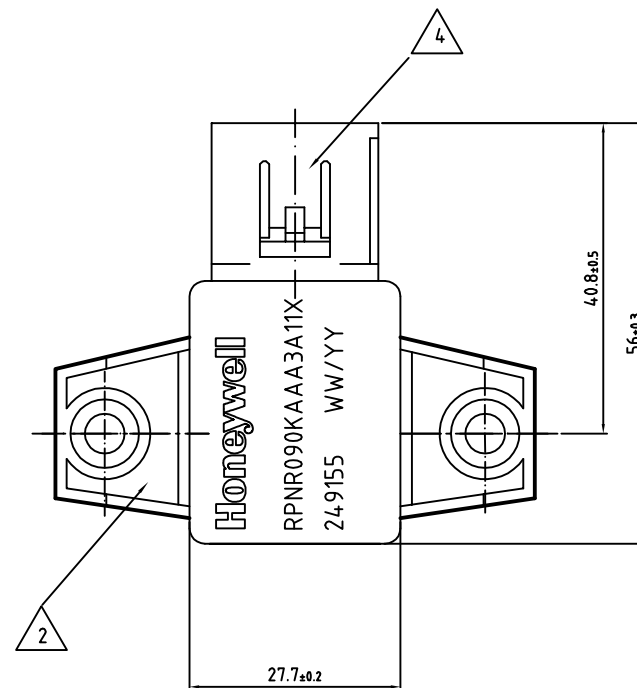
HONEYWELL PART NUMBER
RPNR090KAAA3A11X

REV	CHANGE DOCUMENT	CHANGED BY	CHECK
A	0040247	VS 23JUN08	BLR

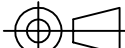
Technical Data	
Function	Angular Sensor
Sensor principle	Contact-free, Hall effect
Measuring range	90°
Mechanical end stop	None
Supply voltage	10 – 30 VDC
Current consumption max.	20 mA
Output signal Channel 1	
Angle I°	Output signal
L (45°)	0,25 VDC
0°	2.5 VDC
R(45°)	4,75 VDC
Output signal Channel 2	
Angle I°	Output signal
L (45°)	4,75 VDC
0°	2.5 VDC
R (45°)	0,25 VDC
Delay of the output signal	approx... 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	IP69K acc. to DIN 40050
Tightening torque of the mounting screw max.	2,5 Nm ± 0,5 Nm
Accuracy	±1,6% / 2mV/I°
Hysteresis	None
Linearity	±2°
Cycles of rotation	30 x 10 ⁶ cycles



Pin configuration	
Channel 1	
1	0V
2	Ub 10-30 VDC
3	0.25-4.75 VDC
Channel 1	
1	0V
2	Ub 10-30 VDC
3	4.75-0.25 VDC



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

DESIGN UNITS: MM			DRAWN	JA	18JUN08	Honeywell					
TOLERANCES UNLESS NOTED:			CHECK	JLH	18JUN08						
GEOMETRICAL TOLERANCE ACCORDING TO DIN ISO 1101 GENERAL TOLERANCES ACCORDING TO DIN 16901-130B			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 ±45°					
			INTERPRET PER ASME Y14.5M-1994 OTHER HONEYWELL ENGINEERING STANDARDS MAY APPLY			SIZE A3	TYPE I	DRAWING NAME RPNR090KAAA3A11X			REV A
			AutoCad 2D			SCALE -		SHEET 1 OF 1			
THIRD ANGLE PROJECTION 											
7	6		5	4	3	2	1				