

Acceleration sensors																							rev1.2 20160408		
Family	QG30 / QG40 E-series								QG40N							QG65 / QG76					QG65N / QG76N Safety SIL CL 2 / PLd				
Measuring range (g)	±0,5	±1	±2	±4	±8	±12	±16	±18	±0,5	±1	±2	±4	±8	±12	±16	±0,26	±0,5	±1	±1,7	±4	±8	±12	±2	±4	±8
Max. # of axis	QG30: 1-axis / QG40: 2-axis								3							2					3				
Switching output	no								2x NPN / 2x PNP 100mA							2x NPN / 2x PNP 100mA					no				
Zeroing function	no								yes							yes					yes				
Redundant	no								no							no					yes, SIL CL 2 / PLd				
Output format	4-20mA / 0.5-4,5V								4-20mA / 0.5-4,5V							4-20mA / 0.5-4,5V / CANopen					CANopen & CANopen Safety				
Output bandwidth (Hz)	100		500			1000			50							20		50	115	400	< 1600				
Resolution	1 mg		4 mg			16 mg			1 mg		4 mg			16 mg		1mg		2mg	4mg	16mg	2mg				
Accuracy (typ.) (g)	0,02	0,04	0,08	0,15	0,25	0,4	0,5	0,55	0,01	0,02	0,04	0,08	0,15	0,25	0,4	0,003	0,005	0,01	0,04	0,08	0,15	0,3	0,1		
	offset error excluded																								
Temp. coefficient (typ.) (mg/K)	0,2		0,6			1			1							0,1		0,6	0,8	1	0,3				
Housing material	Plastic PBTP black								Plastic PBTP black							Reinforced plastic / Alu / Stainless steel									
Size	QG30: 30x30x15 / QG40: 40x40x25mm								40x40x25mm							60x50x24mm / 60x50x27mm / 70x60x33mm									
Temp. range	-25 .. +85°C								-25 .. +85°C							-40 .. +85°C									
Protection class	IP67								IP67							IP67 / IP68 / IP69K									
Certification	CE, optional UL or cTUVus								CE, optional UL or cTUVus							CE, optional UL or cTUVus									
Connection standard	PVC cable 2m								PUR cable 2m							QG65: M12 male 8p (CAN: M12 5p male & female) QG76: Gland + cable									
Options:	Different output formats, bandwidths, ranges, cables, connectors, positioning pins etc.																								