

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.																								