

Tilt Switches						rev1.0 20181026		
Family	QG40N		QG40N SIL1/PLc		QG65/QG76 CM		QG65/QG76 CM5p	
Switch points programmable up to	±80°	±170°	±80°	±170°	±60°		±60°	
Number of axis	2	1	2	1	2		2	
Mounting	horizontal	vertical	horizontal	vertical	horizontal		horizontal	
Centering function	yes		yes		yes		yes	
Safety sensor	no		yes, SIL1/PLc		no		no	
Output format	dual NPN / dual PNP		dual PNP		up to dual NPN / up to dual PNP		up to dual NPN / up to dual PNP	
Output current	150mA continuous		200mA continuous		100mA continuous		500mA continuous	
Output bandwidth	0 - 0.5 Hz		0 - 0.5 Hz		0 - 0.5 Hz		0 - 0.5 Hz	
Resolution	0,1°		0,1°		0,01°		0,01°	
Accuracy (typ. @20°C)	0,5°		0,5°		0,2° (switch point <20°) 0,4° (switch point >20°)		0,2° (switch point <20°) 0,4° (switch point >20°)	
Temperature coefficient (typ.)	0,04°/K		0,02°/K		0,005°/K		0,005°/K	
Housing material	Plastic PBTP		Plastic PBTP		QG65: Reinforced plastic with steel fiber QG76: Stainless steel		QG65: Reinforced plastic with steel fiber QG76: Stainless steel	
Size	40x40x25mm		40x40x25mm		QG65: 60x50x24mm / QG76: 70x60x33mm		QG65: 60x50x24mm / QG76: 70x60x33mm	
Temperature range	-40 up to +85°C		-40 up to +60°C		-40 . . +60°C		-40 . . +60°C	
Protection class	IP67, IP69K		IP67, IP69K		QG65 / QG76: IP67 QG76 with gland: IP67, IP68, IP69K		QG65 / QG76: IP67 QG76 with gland: IP67, IP68, IP69K	
Certification	CE, UL		CE, UL		CE, optional UL		CE, optional UL	
Programmable	Yes, with optional configurator		Yes, with optional configurator		Yes, with optional configurator		no	
Supply Voltage	8 - 30V dc		5 - 30V dc		8-30V dc		8-30V dc	
Connection standard	M12 5-pole male		M12 5-pole male		M12 8p male		M12 5p male	
Options:	Different output formats, bandwidths, ranges, cables, connectors etc.							