

Tilt Switches					rev1.1 20200410
Family	QG40N		QG40N SIL1/PLc		QG65/QG76 CM
Switch points programmable up to	±80°	±170°	±80°	±170°	±25°
Number of axis	2	1	2	1	2
Mounting	horizontal	vertical	horizontal	vertical	horizontal
Centering function	yes		yes		yes
Functional safety	no		SIL1/PLc		no
Output format	dual NPN / dual PNP		dual PNP		dual NPN / dual PNP
Output current	150mA continuous		200mA continuous		500mA continuous
Output bandwidth	0 - 0.5 Hz		0 - 0.5 Hz		0 - 0.5 Hz
Resolution	0,1°		0,1°		0,01°
Accuracy (typ. @20°C)	0,5°		0,5°		0,1°
Temperature coefficient (typ.)	0,04°/K		0,02°/K		0,005°/K
Housing material	Plastic PBTP		Plastic PBTP		QG65: Reinforced plastic with steel fiber QG76: Stainless steel
Size	40x40x25mm		40x40x25mm		QG65: 60x50x27mm QG76: 70x60x33mm
Temperature range	-40 . . +60°C		-40 . . +60°C		-40 . . +60°C
Protection class	IP67, IP69K		IP67, IP69K		QG65: IP67 QG76: IP67, IP69K (IP68 with gland/cable)
Certification	CE, UL		CE, UL		QG65: CE, optional: UL QG76: CE, UL
Programmable	Yes, with optional configurator		Yes, with optional configurator		Yes, with optional configurator
Supply Voltage	8 - 30V dc		5 - 32V dc		8-30V dc
Connection standard	M12 5-pole male		M12 5-pole male		M12 8p male
Options:	Different output formats, bandwidths, ranges, cables, connectors etc.				