




# MICRO SWITCH LIMIT SWITCH COMPARISON

DESIGN	MINIATURE	COMPACT			MEDIUM DUTY		GENERAL PURPOSE			EN50041	EN50047 METAL HOUSING	EN50047 PLASTIC HOUSING	EN50047 COMPATIBLE	HEAVY DUTY		
SERIES	SZL-VL-S	NGC	14CE	914CE	E6/V6	E7/V7	Compact LS	200LS (plug-in)	SZL-WL	GLA	GLC	GLD	GLE	HDLS Std & plug-in	HDLS epoxy sealed body	HDLS stainless steel
																
Typical Applications	Commercial, light industrial	Industrial, transportation machinery; low cost to replace	Industrial, transportation machinery		Commercial, industrial, transportation machinery		Industrial, transportation machinery		Commercial, industrial	Commercial, industrial, transportation machinery			Heavy-duty industrial and transportation. Higher cost to replace			
Certifications	CCC, CE, UKCA, cULus	CE, UKCA, CCC, cULus	CE, UKCA	CE, UKCA, cURus	CE, UKCA, CSA, UL	CE, UKCA	US: select listings CSA & UL; EU: CE, UKCA	US: no certifications; EU: CE, UKCA	CE, UKCA, CSA, UL	CE, UKCA, CCC, CSA, UL; IEC/EN 60947-5-1	CE, UKCA, CCC, CSA, UL; IEC/EN 60947-5-1	CE, UKCA, CCC, CSA, UL; IEC/EN 60947-5-1	CE, UKCA, CCC, CSA, UL; IEC/EN 60947-5-1	CE, UKCA, CCC, CSA, UL	CE, UKCA, CSA, UL	CE, UKCA, CCC, CSA, UL
Mounting, centers or bushing diameter (mm)	21 x 56	20 or Ø 12 bushing	25,4 or Ø 14 bushing	25,4 or Ø 14 bushing	Side: 25,4; Flange: 41,3	Side: 68,3 x 25,4 or 76,0; Flange: 41,3	30 x 60	Requires 18PA style receptacle for mounting	30 x 59	30 x 60	20 to 22	20 to 22	20 to 22 and 40 to 42	30 x 60	30 x 60	30 x 60
Body dimensions (L x w [depth] x h (mm))	28 x 25 x 78 (including cable gland)	30,2 x 16,7 x 55,8	40 x 16 x 44	40 x 16 x 44	Side: 77,2 x 25,4 x 44,4; Flange: 77,2 x 44,4 x 54,1	Side: 76,4 x 25,4 or 45,2; Flange: 76,4 x 41,3 x 45,2	40 x 40 x 70	48,8 x 64,1 (with receptacle) x 91,2	40 x 41,5 x 68,7	42 x 42 x 82	30,5 x 31,1 x 68,0	30,5 x 32,6 x 66,5	65,0 x 31,1 x 68,3	One pole: 41,2 x 44,5 x 74,9 Two pole: 47,8 x 45,5 x 89,7	One pole: 41,2 x 44,5 x 74,9 Two pole: 47,8 x 45,5 x 89,8	47,8 x 45,5 x 93,7
Environmental Sealing	IP67	IP67, NEMA 1,4, 12, 13	IP 66, 67, 68	IP 66, 67, 68; NEMA 1, 2, 3, 3R, 4, 6, 6P, 12 (boot seal), 13	N Series: IP66, NEMA 1, 3, 4; Q Series: IP40, NEMA 1	N Series: IP65; Q Series: IP50	US: NEMA 1, 3, 4, 6 and 13; EU: IP67, NEMA 1, 4 and 13	US: NEMA 1, 3, 4, 6 and 13; EU: IP67, NEMA 1, 4 and 13	IP67	IP67, NEMA 1, 4, 12, 13	IP66, NEMA 1, 4, 12, 13	IP66/67, NEMA 1, 4X (indoor use only), 12, 13	IP66, NEMA 1, 4, 12, 13	IP65, 66, 67; NEMA 1, 3, 4, 4X, 6, 6P, 12, 13	NEMA 1, 6, 6P, 12, 13	NEMA 1, 3, 3R, 4, 4X, 6, 6P, 13
Operating Temperature	-20 °C to 70 °C	-25 °C to 75 °C	0 °C to 70 °C; optional -40 °C to 70 °C		-32 °C to 71 °C; optional -40 °C to 71 °C	-30 °C to 70 °C	-30 °C to 70 °C; optional -30 °C to 120 °C	-30 °C to 70 °C	-10 °C to 80 °C	-25 °C to 85 °C; side rotary: -40 °C to 85 °C	-40 °C to 85 °C	-40 °C to 85 °C	-40 °C to 85 °C	-12 °C to 121 °C; optional -40 °C to 121 °C		
Electrical	AC-15 A300; DC-13 Q300 10 A thermal	AC15, A300; DC13, Q300: one pole 10 A Thermal; two pole 5 A Thermal	AC14, D300; DC13, R300: 5 A, 250 Vac	AC14, D300; DC13, R300: 5 A, 250 Vac	One pole: AC15, B300; 5 A Thermal; 15 A, 480 Vac	AC15, A300; DC13, Q300; 10 A Thermal	US: 10 A, 480 Vac; EU: AC15, A300; DC13, P300	US Style, 10 A, 480 Vac; EU: AC15, A300; DC13, P300	10 A, 300 Vac; 6 A 24 Vdc	AC15, A600; DC13, Q300: 10 A Thermal	AC15, A300; DC13, Q300: 10 A Thermal	AC15, A300; DC13, Q300: 10 A Thermal	AC15, A300; DC13, Q300: 10 A Thermal	AC15, A600; DC13, R300: 10 A Thermal	AC15, A600; DC13, R300: 10 A Thermal	AC15, A600; DC13, R300: 10 A Thermal
Positive opening NC contacts	Side rotary only	Yes	No	No	No	No	No	No	No	Yes	Yes	Yes	Yes	No	No	No
Electrical connection*	Cable gland	Pre-cabled or M12 connector	Pre-cabled or M12 connector	Pre-cabled or M12 connector	Threaded conduit, pre-cabled, or mini-style connector	Threaded conduit	Threaded conduit	Threaded conduit	Threaded conduit	Threaded conduit, pre-cabled, or connector	Threaded conduit, pre-cabled, or connector	Threaded conduit, pre-cabled, or connector	Threaded conduit, pre-cabled, or connector	Threaded conduit, pre-cabled or connector	Threaded conduit, pre-cabled or connector	Threaded conduit, pre-cabled or connector

\* Switches with cable gland or threaded conduit have terminal screws for electrical connection.

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