















MICRO SWITCH LIMIT SWITCH COMPARISON

DESIGN	MEDIUM DUTY				COMPACT PRECISION		GLOBAL					HEAVY DUTY			
FOOTPRINT	MINIATURE		COMPACT		MINIATURE	COMPACT	EN50047	EN50041	EN50047 METAL HOUSING	EN50047 PLASTIC HOUSING	EN50047 COMPATIBLE	FULL SIZE			
SERIES	SZL-VL-S	NGC	Compact LS	SZL-WL	914CE	E6/V6	GLL (Min-Din)	GLA (Din)	GLC (Min-Din)	GLD (Min-Din)	GLE (Min-Din)	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	Industrial, transportation machinery	Commercial, industrial, transportation machinery	Industrial	Commercial, industrial, transportation machinery					Heavy-duty industrial and transportation, Higher cost to replace		
Certifications	CCC, CE, UKCA, cULus	CE, UKCA, CCC, cULus	US: select listings CSA & UL; EU: CE, UKCA	CE, UKCA, CSA, UL	CE, UKCA, cURus	CE, UKCA, CSA, UL	CE, CCC, cULus, CSA	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 Ø12 bushing	30 x 60	30 x 59	25,4 or Ø14 bushing	Side: 25,4; Flange: 41,3	22 x 56	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 40 x 70	40 x 41,5 x 68,7	40 x 16 x 44	Side: 77,2 x 25,4 x 44,4; Flange: 77,2 x 44,4 x 54,1	30,5 x 31 x 62	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	
Sealing	IP67	IP67, NEMA 1,4, 12, 13	US: NEMA 1, 3, 4, 6 and 13; EU: IP67, NEMA 1, 4 and 13	IP67	IP66, 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	IP66; NEMA 1, 12, 13	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, 3R, 4, 4X, 6, 6P, \ 12 (without cable), 13	IP65, 66, 67; **NEMA 1, 3, 3R, 4, 6, 6P, 12, 13	IP65, 66, 67; NEMA 1, 3, 3R, 4, 4X, 6, 6P, 12 (without cable), 13	
Operating temperature	-20°C to 70°C	-25°C to 75°C	-30°C to 70°C; optional -30°C to 120°C	-10°C to 80°C	0°C to 105°C; optional -40°C to 105°C Side rotary: -40°C to 100°C	-32°C to 71°C; optional -40°C to 71°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	US: 10 A, 480 Vac; EU: AC15, A300; DC13, P300	10 A, 300 Vac; 6 A 24 Vdc	AC14, D300; DC13, R300; 5 A, 250 Vac	One pole: AC15, B300; 5 A Thermal; 15 A, 480 Vac	AC15, A600; DC13, Q300; 10 A Thermal	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, A300; 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	Yes	Yes	Yes	Yes	Yes	No	No	No	
Electrical connection*	Cable gland	Pre-cabled or M12 connector	Threaded conduit	Threaded conduit	Pre-cabled or M12 connector	Threaded conduit, pre-cabled, or mini-style connector	Threaded conduit: 0.5-14 NPT, 20 mm	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.

** NEMA ratings for HDLS epoxy sealed body are dependent upon the specific cable type used. See product datasheet for more information.

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002406-7-EN | 7 | 03/24
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