

MICRO SWITCH™ Limit Switch Comparison



Series	SZL-VL	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
Design	Miniature	Compact			Medium duty		General purpose			EN50041	EN50047 metal housing	EN50047 plastic housing	EN50047 compatible	Heavy duty		
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	CE, cULus	CE, CCC, cULus	CE	CE, cURus	CE, CSA, UL	CE	US: select listings CSA & UL; EU: CE	US: no certifications; EU: CE	CE, CSA, UL	CE, CCC, CSA, UL; IEC/EN 60947-5-1	CE, CCC, CSA, UL; IEC/EN 60947-5-1	CE, CCC, CSA, UL; IEC/EN 60947-5-1	CE, CCC, CSA, UL; IEC/EN 60947-5-1	CE, CCC, CSA, UL	CE, CSA, UL	CE, 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	IP64	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, NEMA 1, 4, 12, 14	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 60 °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	5 A, 250 Vac; 0.4 A 125 Vdc	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	No	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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