



Certification Record

CUSTOMER	CLASS	FILE
Honeywell Control Systems Limited	6241-10	015775-0-000
Newhouse Industrial Estate Motherwell Lanarkshire, , ML1 5SB United Kingdom	SWITCHES-Snap - Special Use	
	Refer to Class Description for program details	

- Type A single-pole, double-throw, Cat Nos A, AF. Rating Code No NL6, 15A, 125 to 480V ac, 10A, 125V ac, 3/4 hp, 115V ac, 1-1/2 hp, 230V ac, 1/2A, 125V dc, 1/4A, 250V dc. Rating Code No NL7, 20A, 125 to 480V ac, 3/4 hp, 115V ac, 1-1/2 hp, 230V ac. Rating Code No NL8, 15A, 125 to 480V ac, 3/4 hp, 115V ac, 1-1/2 hp, 230V ac, 1/2A, 125V dc, 1/4A, 250V dc. Rating Code No NL9, 20A, 125 to 480V ac, 1/4 hp, 115V ac, 1-1/2 hp, 230V ac, 0.3A, 125V dc, 0.15A, 250V dc. Rating Code No NL10, 20A, 125 to 480V ac, 10A, 125V ac (suitable for controlling tungsten filament lamp loads), 1 hp, 115V ac, 2 hp, 230V ac, 1/2A, 125V dc, 1/4A, 250V dc. Rating Code No NL11, 20A, 125 to 480V ac, 1 hp, 125V ac, 2 hp, 250V ac, 0.3A, 125V dc, 0.15A, 250V dc. Rating Code NL34, 20A, 125, 250 or 480V ac, 10A, 125V ac (tungsten) 1 hp, 125V ac, 8 hp, 250V ac, 1/2A, 125V dc, 1/4A, 250V dc. Prefix letter B, W or Y and suffix R or S, which may be preceded by numerals 1 to 7, are used and may be followed by 1 or more of the suffixes B, C, L, Q, V, X, 708, PG, PG11, LH or RH, with or without numerals to indicate external variations and A2, A4, A21, A22, A41, A42, AM, P1, P7, P13, SM, ST or T to denote types of terminals.
- Types 14CE and 914CE, single-pole, double-throw. Rating Code No NL17, 5A, 250V ac, 1/10 hp, 125-250V ac. The type designation is preceded by either 914 or 14 and followed by groups of one to three numerals separated by hyphens, which indicate external features such as type of actuator and mounting holes, position and length of flexible cord, external grounding screw and extra covers.
- Type 924CE, single-pole, single- or double-throw or two-circuit, slow make and break; 10A, 250V ac; 1/3 hp, 125 to 250V ac. The complete type designation is 924CE followed by up to three numerals indicating mechanical variations such as type of actuator, a letter Q, R, S, T, X or Y indicating contact arrangement and up to two figures indicating length of flexible cord.
- Type DM, single- or double-pole, single- or double-throw. Rating Code No NL25, 0.1A, 125V ac or 24V dc. Rating Code No NL26, 5A, 125 or 250V ac, 1/3 hp, 125V ac. The type designation is preceded by 1, 2, 3 or 4 and followed by 99 and three other digits, which together indicate the method of operation and type of actuator, the arrangement and number of contacts and type and arrangement of terminals.
- Type DT, double-pole, Cat Nos DT, DTE, DTV, DTF, DTE7, DTE9, DTV7, DTE7S, DTE9S, DTV7S. Rating Code No NL16, 10A, 125 or 250V ac, 0.3A, 125V dc, 0.15A, 250V dc. The suffix letter R, which may be preceded by numeral 2 is used and may be followed by one or more of the suffixes V, Q, B, PG, PG11, LH or RH, with or without numerals to indicate external variations and A to indicate alternative lengths of terminal screw.
- Type 901KC, single-pole, single or double-throw or two-circuit, slow make and break; 10A, 250V ac; 1/3 hp, 125 to 250V ac. The complete type designation is 901KC followed by up to three numerals indicating contact arrangement, constructional details and terminal type.
- Type LS, 2-circuit, (same polarity). Rating Code No NL21, 10A, 120-480V ac, 1/3 hp, 120V ac, 3/4 hp, 240V ac, 0.4A, 230V dc, 1A, 600V ac pilot duty. Rating Code No NL22, as No NL21 but without pilot duty rating. Prefix and suffix numerals and/or letters indicate external variations. Plug-in type switch use Type PA mounting bases having prefix and suffix numerals

and/or letters as above.

- Type MT, single-pole, double-throw, (non-polarized), Cat Nos MT, MTE, MTV, MTF, MTE7, MTE9, MTV7, MTE7S, MTE9S, MTV7S. Rating Code No NL29, 10A, 125V ac or dc, 1/8 hp, 125V ac or dc. The suffix R, which may be preceded by numeral 4 may be used and may be followed by one or more of the suffixes L, V, Q, B, C, D, PG, PG11, LH and RH, with or without numerals to indicate external variations and A - 28, P1, P3, to denote terminal variations.
- Type PL, single-pole, double-throw. Rating Code No NL19, 25A, 125 or 250V ac, 3/4 hp, 125V ac, 1-1/2 hp, 250V ac. Rating Code No NL18, 15A, 125 or 250V ac, 1/2 hp, 125V ac, 1 hp, 250V ac. There may be a prefix 1, 2, 6 or 14 and suffix numerals up to 4 to indicate circuitry, operating force, etc. or external variations.
- Type SM, single-pole, double-throw. Rating Code No NL1 or L4, 5A 250V ac, 5A 30V dc. Rating Code No NL37 or L22, 1A 125V ac. Rating Code No NL37 or L22, 1A 125V ac. There may be prefix numerals and suffix numerals and/or letters to indicate variations of operating force, external variations, etc. Specific suffixes H1, H2, H4, H43, H58, S8, T and T2, denote types of terminals.
- Type 41SM, Code No NL39, 10A, 250V ac, Code No NL40, 11A, 250V ac. Rating Code L190; 11A, 250V ac; 1/4 hp, 125 or 250V ac; 5A, 30V dc.
- Type 9SM, single pole, single or double throw. Rating Code NL 82, 0.1A, 125V ac, 0.1A, 30V dc. Rating Code NL 81, 4A, 250V ac. Rating Code NL 80, 6A, 250V ac. Rating Code NL 39, 10A, 250V ac. There may be suffix numerals and letters to indicate variations of operating force, external variation, type of terminals, contact materials, etc. The Part Nos 331-405, 311-398, 334-760, 344-776, 344-782 and 344-798 may be used for specific constructions instead of the designation 9SM.
- Type SX, single-pole, double-throw. Rating Code No NL24, 7A, 250V ac. There may be prefix numerals and suffix numerals and/or letters to indicate external variations or temperature ratings. Specific suffixes H58 and T denote types of terminals.
- Types V3-9, V3L-9, V3F- and V3FL-, single pole. Rating Code No NL2, 15A, 125 or 250V ac, 1/2A, 125V dc, 1/4A, 250V dc, 1/3 hp, 125V ac. Rating Code No NL3, 10A, 125 or 250V ac. Rating Code No NL4, 10A, 125 or 250V ac, 1/2A, 125V dc, 1/4A, 250V dc, 1/3 hp, 125V ac.
- The suffix 99 appearing after the hyphen in the type designations indicates a special construction with increased spacings. Suffix numerals and/or letters may be used to indicate external variations to enclosure shape, mounting and acuator and terminal configurations. Specific suffixes D8, D18, F, S2, S3, S4, S5, S11 and S15 denote types of terminals.
- Type V4, single-pole. Rating Code No NL20, 5A, 125 or 250V ac.
- Suffix numerals or letters may be used to indicate external variations.
- Series V 5
- V5A, Rating Code NL60, 21A, 125 or 250Vac; 1/2hp, 125 or 250Vac; 0.6A, 125Vdc; 0.3A, 250Vdc.
- V5B, Rating Code NL63, 16A, 125 or 250Vac; 1/2hp, 125 or 250Vac; 0.6A, 125Vdc; 0.3A, 250Vdc.
- V5C, Rating Code NL67, 11A, 125 or 250Vac; 1/3hp, 125 or 250Vac; 0.5A, 125Vdc; 0.25A, 250Vdc.
- V5D, Rating Code NL67, 11A, 125 or 250Vac; 1/3hp, 125 or 250Vdc; 0.5A, 125Vdc; 0.25A, 250Vdc.
- V5F, Rating Code NL67, 11A, 125 or 250Vac; 1/3hp, 125 or 250Vac; 0.5A, 125Vdc; 0.25A, 250Vdc.
- V5G, Rating Code NL64, 6A, 125 or 250Vac; 1/6hp, 125 or 250Vac; 0.5A, 125Vac; 0.25A, 250Vdc.
- V5H, Rating Code NL64, 6A, 125 or 250Vac; 1/6hp, 125 or 250Vac; 0.5A, 125Vdc; 0.25A, 250Vdc.
- V5J, Rating Code NL68, 0.1A, 125Vac; 0.1A, 30Vdc.
- V5K, Rating Code NL68, 0.1A, 125Vac; 0.1A, 30Vdc.
- V5L, Rating Code NL68, 0.1A, 125Vac; 0.1A, 30Vdc.

- V5M, Rating Code NL68, 0.1A, 125Vac; 0.1A, 30Vdc.
- V5N, Rating Code NL60, 21A, 125 or 250Vac; 1/2hp, 125 or 250Vac; 0.6A, 125Vdc; 0.3A, 250Vdc.
- V5P, Rating Code NL63, 16A, 125 or 250Vac; 1/2hp, 125 or 250Vac; 0.6A, 125Vdc; 0.3A, 250Vdc.
- V5T, Rating Code NL63, 16A, 125 or 250Vac; 1/2hp 125 or 250Vac; 0.6A, 125Vdc; 0.3A, 250Vdc.
- V5U, Rating Code NL63, 16A, 125 or 250Vac; 1/2hp, 125 or 250Vac; 0.6A, 125Vdc; 0.3A, 250Vdc.
- V5W, Rating Code NL63, 16A, 125 or 250Vac; 1/2hp, 125 or 250Vac; 0.6A, 125Vdc; 0.3A, 250Vdc.
- Type V9 Series, single-pole, double or single throw, with subdivision of type designation and ratings as follows: V9-1000 and V9-3000 Series, rating code NL30, 15.1A, 250V ac, 1/3 hp 250V ac; V9-2000 and V9-4000 Series, rating code NL31, 10A 250V ac, 1/3 hp 250V ac. The zeros in the series numbers may be by other figures and the designation may be extended by prefix numerals and suffix numerals and/or letters to indicate variations of operating force, of external levers and of terminals, e.g. various widths of quick connect terminals, solder terminals and screw terminals with clamp washers.
- Type Z, single-pole, double-throw, Cat Nos Z, ZE, ZF, ZLN, ZV, ZE7, ZE9, ZV7, ZE7S, ZE9S, ZV7S. Rating Code No NL5, 10A, 125-480V ac. Rating Code No NL12, 15A, 125-480V ac. Rating Code No NL13, 10A, 125-480V ac, 1/2A, 125V dc, 1/4A, 250V dc. Rating Code No NL14, 5A, 125-480V ac, 0.5A, 125V dc, 0.25A, 250V dc. Rating Code No NL15, 5A, 125 or 250V ac. Rating Code No NL27, 15A, 125-480V ac, 1/2A, 125V dc, 1/4A, 250V dc. Rating Code No NL28, inductive 0.25A, 100mH, 250Vdc, 50,000 operations. Rating Code No NL35 or L103, 15A, 125, 250 or 480V ac, 1/8 hp, 125V ac, 1/4 hp, 250V ac. Rating Code No NL36 or L96, 15A, 125, 250 or 480V ac, 1/8 hp, 125V ac, 1/4 hp, 250V ac, 1/2A, 125V dc, 1/4A, 250V dc. Rating Code NL38 or L74, 15A, 125, 250 or 480V ac, 2A 600V ac, 1/8 hp 125V ac, 1/4 hp 250V ac, 1/2A 125V dc, 1/4A 250V dc. Rating Code NL39; 10A, 250V ac. Rating Code NL189 or L189, 11A, 125, 250 or 480V ac, 1/8 hp, 125V ac, 1/4 hp, 250V ac. Prefix letter B, W or Y and suffix A, R or Y, which may be preceded by numerals from 1 to 7 and may be followed by one or more of the suffixes D, L, M, N, Q, S, W, 708, B, C, PG, PG11, LH or RH to indicate external variations A2, A4, A41, AM, D1, D5, D261, NT, P1, PP1, P4, P7, SM, T, TC or combinations of these to denote terminal variations with or without -S.
- Series 10ZS, single pole, 2 circuit of like polarity. Rating Code No NL33, 10A non-ind. 500V ac max, 0.4A, 220V dc max. The part nos 324-801, 324-788 and 324-794 may be used for specific constructions instead of the designation 10Zs.
- Series 30ZS, single pole, 2 circuit, snap action contacts with back up, positive break contact. (Cat Nos 31ZS1, 32ZS1, 35ZS1, 31ZS2 with or without -C suffix). Rating Code No NL32, 10A, 380V ac: 0.4A, 220V dc.
- Control limit switch, Type 210ZS series, two circuits of like polarity, Code No NL33, 10A, non-ind, 500V ac max, 0.4A, 220V dc max.

Note: The type designation may be prefixed by 9. The zero in the type number may be by another digit from 1 to 9 and the designation may be extended by suffix numerals and/or letters to indicate mechanical variations, including variations of conduit thread.

- Part No 337-829, single pole, rating Code NL1, 5A, 250V.
- Part Nos 337-857, 337-863 and 337-879, single-pole, rating codes NL2, NL3 and NL4 as detailed for Type V3-9, above.
- Part Nos 337-282, 338-298 and 339-904, single pole, double throw, rating codes NL5, NL12, NL13, NL14, NL15, NL27 and NL28, as detailed for Type Z, above.

Notes:

1. '-' may be used to separate groups of suffix numerals or letters and the suffix N with numerals may be used to indicate external mechanical variations to the above listed switches, or certified internal variations.
2. Open-type switches are certified for use only in other equipment where the combination is acceptable to the Canadian Standards Association.